

IICA



ANNUAL REPORT 1976





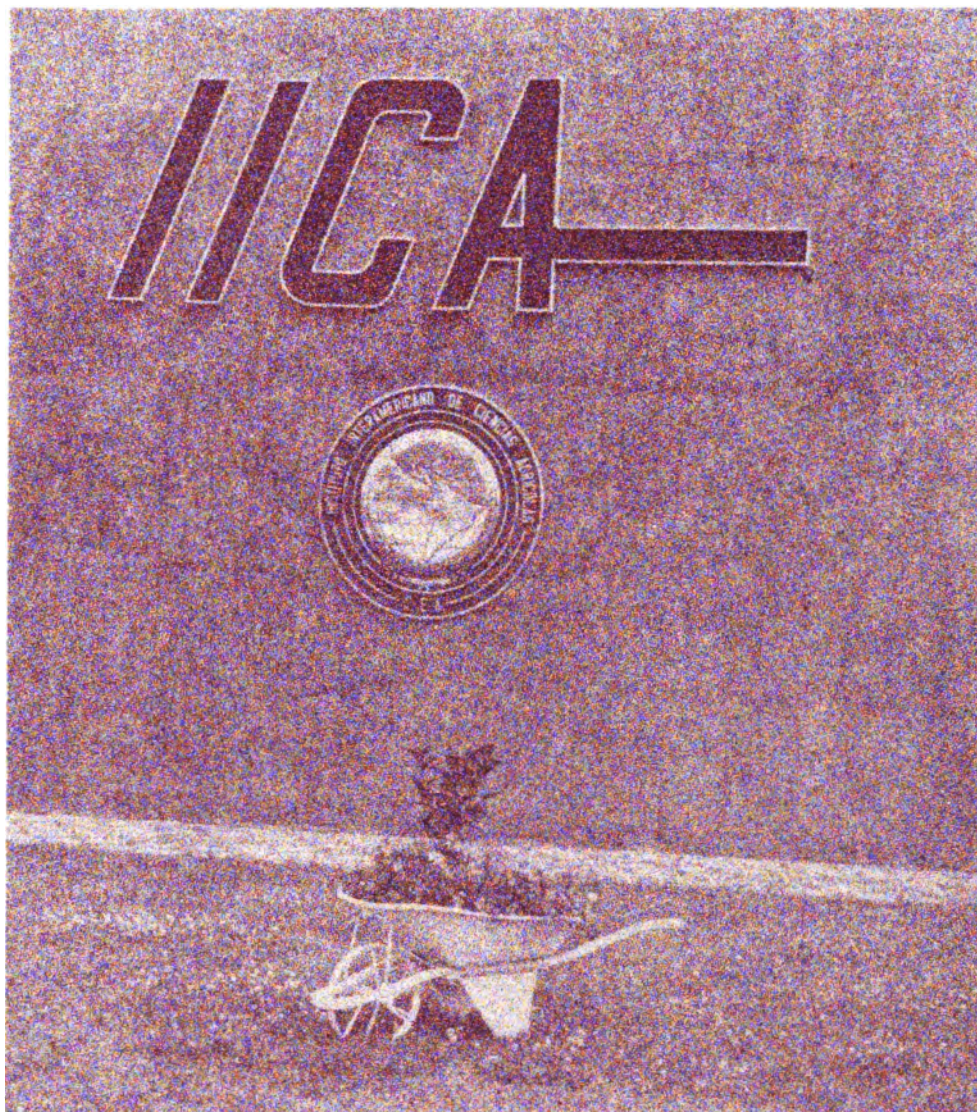
Note:

This report has kept in line with the programs of IICA as concerns the information presented, in the same manner as in last year's report.

The readers are reminded that it is neither the purpose nor possible to present extremely detailed information on work accomplished in this type of publication. Those interested in further information on a specific project or activity, may obtain it from the IICA representative in each country.

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INTER-AMERICAN INSTITUTE OF AGRICULTURAL SCIENCES – OAS



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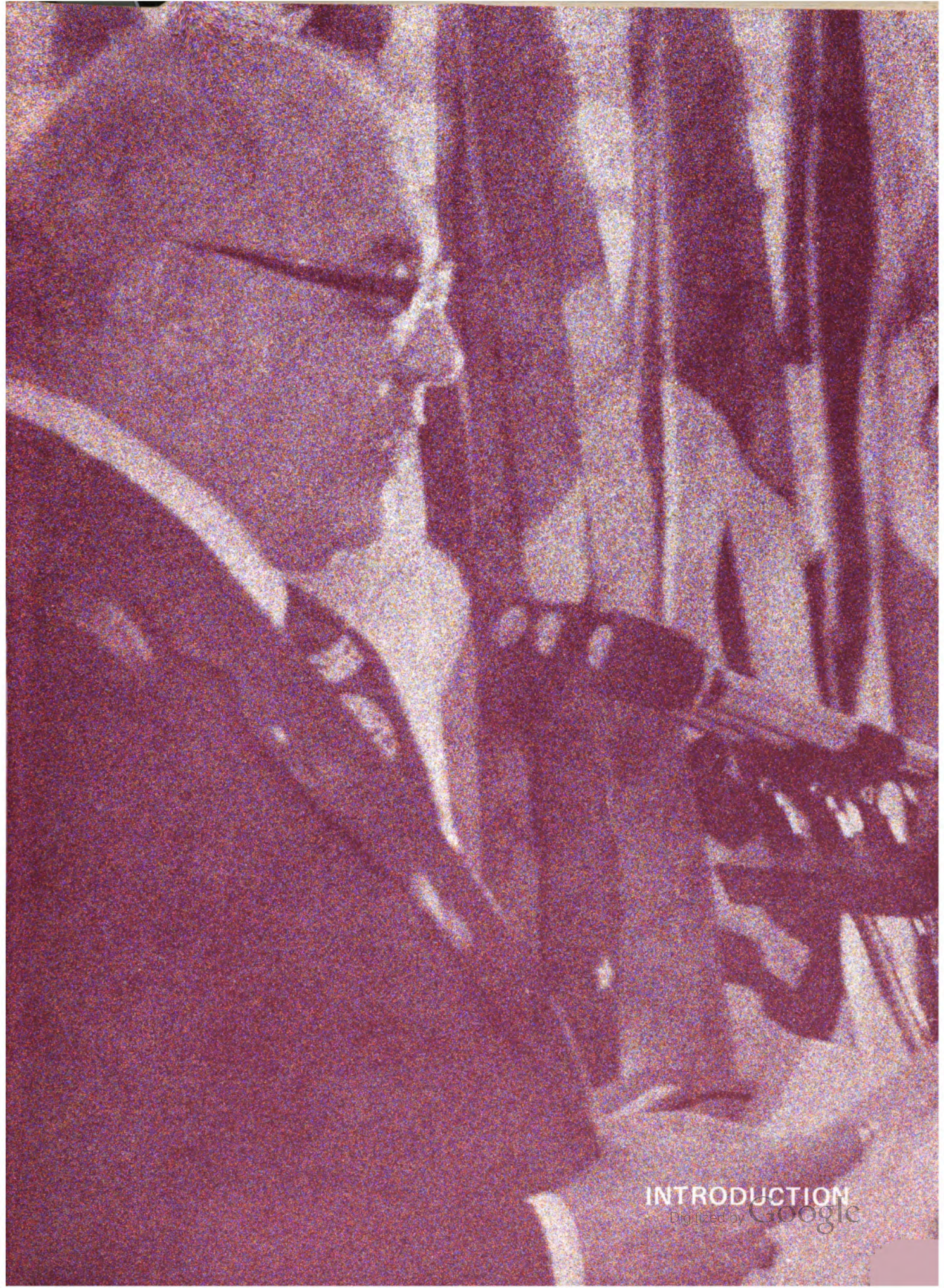


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INTRODUCTION

As one of my responsibilities as Director General of the Inter-American Institute of Agricultural Sciences, I hereby submit the Annual Report of IICA, covering the period 1 July 1975 through 30 June 1976, for due consideration by the honorable members of the Board of Directors of IICA and of the General Assembly of the OAS.

Due to our specific fiscal year, the period covered by this report includes the last six months of my first term of office as Director General of IICA, and the first six months of my second term of office, having been reelected by the representatives of the American nations for a second term as Director General of IICA, as of January 15, 1976. Because of this situation, I was pleased to present a brief description of the work accomplished during my first term of office to the Board of Directors of the Institute, on February 17, 1976. At the same time I presented a sketch of the principal ideas for my second term, to be based on a medium-term Indicative Plan, for the next five years.

Before presenting the scheme, I briefly analyzed scientific and technological progress in general, taking into account both favorable as well as negative aspects, with mention of how it has affected the economic and social levels, particularly of rural populations.

At that time, I emphasized the fact that there are still two main battles to be won: increased agricultural production, since in this decade of the 70's more than half of the countries of America have had consistently lower per capita agricultural production indices than the average obtained during the 1961-1965 period; and the struggle for greater equity and justice for the growing masses of marginated "campesinos".

IICA is well aware of its role in agricultural and rural development. At this time, it is an efficiently structured organization with program flexibility, and the very principles of a humanistic approach for development purposes, the basis of the institution's political philosophy of an "Humanistic Rural Development Projection", guide our every action.

This philosophy obliges us to reflect seriously on what has been accomplished to date, so as to be able to provide the institution with the pragmatic organization needed to handle the broad scope of action to be undertaken over the next several years. To have a clear understanding of what is before us a brief review of the origin of IICA, its current organization, its operational structure and its objectives, would seem advis-

able. In this manner, we can contribute to up-dated information about the Institute, and also comply with the recommendations of Resolution AG/Res.171 (IV-0/74) of the General Assembly of the Organization of American States, as concerns the annual reports of the specialized agencies of the inter-American system:

Founding of IICA

The Inter-American Institute of Agricultural Sciences (IICA) is the specialized agency of the OAS for the agricultural sector. It was founded in 1942 by the American governments to promote the economic and social development of their respective countries through teaching, training of personnel, research, consultation and communications, as related to the field of agriculture. IICA's Convention was open for signature on January 15, 1944 at the Pan American Union.

Organization

IICA is an autonomous inter-governmental institution, and has its own Convention. Its organizational structure is as follows:

1. IICA Headquarters, in San Jose, Costa Rica, is structured in the following manner:

Office of the Director General
Office of the Deputy Director General
External Coordination Advisor
Financial Affairs Advisor and Treasurer
Representative of the Executive Offices, for the United States of America and Canada
Associate Deputy Director General's Office for Operations
Associate Deputy Director General's Office for Planning
Programming Office
Evaluation Office
Operations Research Office
Cooperative Programs Office
Public Information Office
Simon Bolivar Fund Office
Administrative Office
Personnel Office
Chief of Cabinet

2. Four Regional Offices:

The Regional Office for the Andean Zone, coordinates and supervises activities in Bolivia, Colombia, Ecuador, Peru and Venezuela. The main office is located in Lima, Peru.

The Regional Office for the Northern Zone, coordinates and supervises activities in Mexico, Central America and Panama. The main office is located in Guatemala, Guatemala.

The Regional Office for the Southern Zone, coordinates and supervises activities in Argentina, Brazil, Chile, Paraguay and Uruguay. The main office is located in Montevideo, Uruguay.

The Regional Office for the Antilles Zone, coordinates and supervises activities in Barbados, Guyana, Haiti, Jamaica, Dominican Republic and Trinidad-Tobago. The main office is located in Santo Domingo, Dominican Republic.

3. Inter-American Centre for Documentation and Agricultural Information, located in San Jose, Costa Rica (IICA-CIDIA)
4. IICA Offices in the following Member States: Argentina, Barbados, Bolivia, Brazil, Colombia, Costa Rica, Chile, Dominican Republic, Ecuador, El Salvador, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, United States and Canada, in Washington, D.C., Trinidad-Tobago, Uruguay and Venezuela.

Board of Directors

The highest governing authority of IICA rests with the Permanent Board of Directors, which is comprised of the same representatives of the American States to the Permanent Council of the Organization of American States (OAS) and meets in Washington, D.C., the headquarters of that organization. Once a year, a meeting is also held with the participation of high-level representatives of the ministries or secretariats of agriculture or special representatives of the American governments, by express delegation of the Permanent Board of Directors. The meeting is held in a different country each year at the invitation of the respective government. Before the annual meeting, a Special Committee appointed by the Board of Directors, assembles to study and present an opinion on the proposed program budget prepared by the Office of the Director General; to suggest guidelines for its preparation; to examine, study and present an opinion on all other matters entrusted to it specifically, as well as any proposals that the Representatives of the Member States and the Director General may wish to submit to the Board for consideration at its annual meetings.

General Objectives

The general objectives of IICA are to assist the American States to stimulate and promote rural development as a means of attaining the general development and well-being of the rural sector and to support their efforts to:

- a. Increase agricultural production and productivity in line with increases in population and pur-

chasing power, especially those products that may offer competition on world markets and those that tend to improve the food diet of the population.

- b. Increase employment opportunities in the rural sector in proportion to the growth rate of the active rural population.
- c. Increase the participation of the rural population in development activities, reducing its non-participation to levels that allow for a continuous significant transformation towards equal opportunities for all active members of the rural community.

To achieve these objectives, the basic strategy which has been adopted consists in the strengthening of institutions which dedicate their efforts in the American nations to agricultural development.

General Plan

The General Plan is a pragmatic interpretation of IICA's objectives and the basic principles of its Convention, in response to the ever-changing conditions of the agricultural and development processes within the rural sector of the American States, as expressed in the Director General's Message to the Board of Directors: "A Hemispheric and Humanistic Projection for the decade 1971-1980".

The Plan also defines IICA's action strategies and indicates the functions, lines of action, methods of operation and the necessary approaches in terms of structure, organic functioning, personnel and financial aspects.

The General Plan is a dynamic, flexible instrument. In accordance, therefore, with the characteristics and on the basis of the fundamental concepts of an humanistic rural development, as adopted by IICA, the Board of Directors approved the report submitted by the Director General in 1976, containing the outline as to how the programs will be increasingly oriented and up-dated in line with the provisions of the General Plan. To this end, the Director General was requested by the Board of Directors to prepare a Five-year Plan, ensuring the necessary flexibility of IICA's actions over the next five year period, with the so-called "humanistic rural development projection", so as to assure the progressive application of the above-mentioned General Plan.

The Simón Bolívar Fund

This Fund is multinational and of a voluntary nature, for a total amount of 20 million dollars. It was established in 1974 on the basis of a promised contribution by the Government of Venezuela of 10 million dollars. The Fund functions in accordance with the policies and objectives of the General Plan in the field of rural development in Latin America and the Caribbean.



After his reelection for a further six-year term of office, the Director General of IICA explains the Institute's Plan of Action at the General Secretariat of the OAS. With him are the Secretary General of the OAS, Dr. Alejandro Orfila; the Ambassador of Venezuela, Dr. José María Machín, Chairman of the Board of Directors of IICA; and the Assistant Secretary General of the OAS, Dr. Jorge Zelaya Coronado.

National Committees

The National Program Committees have also been made a part of the Institute's official programming policy which established that the Committees are the first link in the decision-making chain which culminates in the approval by the Board of Directors of the Program-Budget.

It is our intention to have the IICA staff members in the countries become intimately acquainted with the needs of each country. To this end, we feel that the most expeditious method is to have the sectorial agricultural planning offices report the technical cooperation requirements of the country directly to the Institute, indicating what collaboration IICA can provide.

Lines of Action

These define and focus IICA's activities, through the Program-Budget, to promote the improvement of the institutional systems of the rural sector. They cover the following fields:

- Information and Documentation on Rural Development
- Education for Rural Development

- Research and Transfer of Agricultural Technology
- Agricultural Production, Productivity and Marketing



IICA is Education



IICA is "Campesino" Organization



IICA is Documentation



IICA is Agricultural Research



IICA is Information

- **Regional Rural Development**
- **Structural Change and "Campesino" Organization**
- **Formulation and Administration of Agricultural Policy**

Instruments of Action

To accomplish its technical cooperation objectives, IICA relies on the following tools:

- **Teaching with the aim of training individuals in the technical as well as human aspects so as to ensure greater participation in the development process, and to make them aware of the obstacles, limitations to, and possibilities for accelerating the development process.**
- **Training in the preparation of projects for the improvement of institutional systems and their agencies.**



IICA is Fostering Production

- Research, the main purpose of which is to produce new knowledge.
- Direct advisory services to help apply knowledge to the solution of problems, based on the experience of technicians, technical teams, or on the results of research.
- The work of permanent groups or committees whose main function is to coordinate the efforts of institutions and to solve specific problems.
- Support professional associations to help them acquire the capability to achieve their objectives on their own.

Based on the above-described organization, objectives, lines of action and instruments, then, every effort is made to give high priority to the country-level action plans, through the formulation of concrete, specific goals, the accomplishment of which to be evaluated with those indicators which measure the stage of development attained, from a truly humanistic point of view.

We firmly believe, however, that even our best efforts may be sterile or negative, if they are incoherent or even contradictory in nature. International technical cooperation, such as can be provided by IICA, has an important role to play to ensure that this type of incoherence or duplication of efforts is avoided, and to help channel financial resources properly.

We view the rural development process as a combination of three fundamental efforts. The first and most important one is, of course, up to the interested countries themselves, and their institutions, since any cooperation that IICA may provide is always subject to the will of the Member States. Secondly, technical cooperation should be directed towards supporting the more crucial points of efforts undertaken, in accordance with identified needs and

national development policies. Finally financial support, properly programmed, channeled and coordinated with technical cooperation efforts, should reinforce and ensure increased returns from national investments.

At this time, IICA has permanent offices in practically all the Member States, and has technical cooperation projects underway in each country, within its seven lines of action: information, education, research and the transfer of technology, production, productivity and marketing, regional rural development, structural change and "campesino" organization, and the formulation, planning and administration of agricultural policy. The Institute also counts on the support of six permanent observer-countries: France, Holland, Israel, Italy, Japan and Spain. There are currently more than 200 projects with over 1,000 activities underway, in all the countries of America.

Moreover, in accordance with resolutions taken by the governing bodies of the Inter-American System, IICA has continued the austerity measures implemented as of the 1975-76 fiscal period.

The countries help us and believe in us. Our technical teams are of the highest quality. Our programs and activities receive ample backing from the national institutions with which we work. All this stimulates us to make every possible effort to serve, to the utmost of our capacity.

On review then, I would say that we are extremely proud and even content, but not satisfied. Satisfaction, in mankind, is synonymous to stagnation. In IICA we are not and cannot allow ourselves ever to become stagnant. Rather, we must assure our continuous process of evolution and improvement, so as to provide the best possible service to our Member States and their rural populations, particularly the small farmer and "campesino" of America, the principal *raison d'être* of our institution.



José Emilio G. Araujo
Director General



Chapter 1.

INSTITUTIONAL RELATIONS

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Chapter I

INSTITUTIONAL RELATIONS

Introduction

As a part of the Inter-American System, the Inter-American Institute of Agricultural Sciences maintains cooperative relations with the other agencies of the system, international organizations and agencies of world-wide, regional or hemispheric scope and depends largely on the agreements and resolutions taken by the Board of Directors for working directions, while keeping in mind the dispositions of the General Assembly of the OAS concerning the specialized agencies.

This chapter summarizes the main institutional actions undertaken, with respect to the above.

Dispositions of the OAS General Assembly

The OAS General Assembly approved Resolution AG/RES.198 "VII Inter-American Conference on Agriculture", at its fifth regular session, authorizing the Permanent Council to convene the VII Inter-American Conference on Agriculture, if so recommended by the CEPCIES.

CEPCIES agreed to recommend holding the VII Inter-American Conference on Agriculture, but was awaiting the results of the ECLA/FAO and IGAD/LA (International Group for Agricultural Development/Latin America) meeting which IICA attended, before setting a definite date.

By means of Resolution CIES/RES.93 concerning this meeting, CEPCIES was given the task of consulting with the Board of Directors of IICA at its Annual Meeting on the advisability of holding the Conference in 1976. Later, after the ECLA/FAO and IGAD/LA meetings had been held, CEPCIES made a firm decision as to the Conference agenda—once the Member State governments had been consulted—and established that the Conference should be held during the first semester of 1977.

IICA presented a progress report on the Conference to the Special Committee of the Fifteenth Annual Meeting of the Board of Directors. It was recommended that the Director General study the matter, taking into account his own and other alternatives suggested by the Board, so as to ensure that the purposes of holding the Conference be complied with, and that it contribute to the formulation of effective agreements and deliberations. It was also recommended that these ideas be presented for consideration at the next Special Meeting of the Special Committee, to be held in October 1976.

The Fifteenth Annual Meeting of the Board of Directors of IICA, held in Washington, D. C. in May 1976, approved Resolution IICA/RAJD/Res.42(15/76) recommending that the VII Inter-American Conference on Agriculture be held during the first semester of 1977, and the Director General of IICA was authorized to reserve the sum of US\$ 40,000 provided for in the 1975-76 Budget, to be used in the 1976-77 fiscal year to hold the Conference.

As to the Annual Reports of the Specialized Agencies, IICA has taken due note of Resolution AG/RES.171(IV-0-74) and is presenting its Annual Report accordingly.

Permanent Board of Directors

1. **Protocol of Amendments to the Convention** — The Report of the Permanent Committee concerning the second revision of the draft Protocol was approved by the Board of Directors. The Member States are being consulted on the new revised text, and comments or observations of at least fourteen are awaited, so as to be able to process the eventual approval of the Protocol of Amendments. To date, comments have been received from 13 governments: Bolivia, Brazil, Canada, Chile, Dominican Republic, Haiti, Honduras, Mexico, Nicaragua, Peru, Panama, Uruguay and Venezuela.
2. **Election of the Director General** — The Director General was re-elected by a clear majority, for a second term of office from 14 January 1976 to 13 January 1982.
3. **Adherence of Barbados and Trinidad-Tobago** — The Governments of Barbados and Trinidad-Tobago deposited their instruments of adherence to the Institute Convention, at the sessions held on February 17 and March 3, 1976, respectively, thereby elevating the number of active IICA Member States to 25.
4. **Modifications to the CATIE Agreement** — Resolution IICA/JD-11(20/76) was approved, modifying Articles 14 and 17 of the agreement signed between the Government of Costa Rica and IICA on the creation of an association to work at the Tropical Agricultural Research and Training Center (CATIE). These modifications will permit CATIE to sign agreements with universities other than the University of Costa Rica, on the coordination of postgraduate studies, and establishes IICA's minimum contribu-



The Secretary General of the OAS, Dr. Alejandro Orfila, visits IICA's headquarters, accompanied by the Director General of IICA and the Associate Deputy Director General for External Coordination, Dr. José Marull.

- tion for the maintenance of CATIE, at five hundred thousand dollars.
5. **Financing the Construction of IICA's Headquarters Building** – Financing for the completion of the second stage of IICA headquarters building was approved, for an amount of US\$ 845,087.
 6. **Help for Guatemala** – The Director General was authorized to utilize US\$ 40,000 to contribute to Guatemala's recuperative efforts, after the 1976 earthquake disaster.
 7. **Adjustments in the Percentage Scale for Quotas** – Although exhaustively studied by the Permanent Committee, the Board of Directors has not yet arrived at any definite solution.
 8. **Creation of a Program-Budget Committee** – The Permanent Board of Directors has expressed some doubt as to the advisability of transforming the Special Committee into a Program-Budget Committee. The matter is therefore pending re-examination by the Permanent Committee.
 9. **Regulations for IICA Operations** – In compliance with Resolution IICA/RAJD/Res.7(14/74), a draft "Regulations" has been submitted for due consideration by the Board of Directors, and is pending study by the Permanent Council.
 10. **Report by the Director General** – On February 17, 1976, the Director General made a detailed report on Institute activities during his first term of office, which ended January 14, 1976. He also presented some ideas to serve as basic guidelines for his second term of office.
 11. **Negotiation of Basic Agreements** – The Director General was authorized to negotiate Agreements on Privileges and Immunities with the Governments of Barbados and Trinidad-Tobago. He was also authorized to up-date the current Agreement with the Government of Costa Rica.

Permanent Committee of the Board of Directors

The decisions taken by the Board of Directors, as indicated above, were based on studies and reports prepared by the Board Secretariat for the Permanent Committee.

Annual Meeting of the Board of Directors

The Fifteenth Annual Meeting of the Board of Directors of IICA and the Twenty-first Meeting of the Technical Advisory Council were held in Washington, D. C. in May 1976, at the express invitation of the Government of the United States of America. To this end, administrative arrangements for these meetings



His Excellency the Ambassador of Trinidad-Tobago at the OAS, Dr. Victor C. McIntyre, visits IICA's headquarters when his country joined the Institute.

were made in collaboration with the U.S. Departments of State and of Agriculture.

Round-table on "International Cooperation on Rural Development in Latin America and the Caribbean".

The above-cited round-table was organized and held as an activity of the Technical Advisory Council. Papers were given by Miss Margaret Anstee; Mr. Marciano Morales; Mr. Cecilio Morales; Mr. Don Paalberg, and Mr. Paulo Romano. Round-table Moderator was Mr. Enrique Blair who is preparing the pertinent report.

Inter-American Development Bank

1. **Agricultural Research Cooperative Program for the Southern Zone** – Progress has been made on completing the Operative Program of the Agreement, to implement this Program. The Agreement has yet to be revised in accordance with recommendations made by the IDB Directorate, before it will be ready for signature.
2. **Research Program for the Andean Zone** – Arrangements are being made with IDB to implement a program in support of agricultural research in the countries of the Andean Zone of IICA, similar to the Program for the Southern Zone. To this end, an IDB/IICA mission visited Chile, Bolivia, Peru, Ecuador, Colombia and Ve-

nezuela, and then submitted a program proposal to IDB. Dr. Hector Alburquerque, IICA Programming Director, participated as a member of this mission. The proposal is currently being considered by the Bank.

3. **Integral Rural Education in Haiti** – An Agreement was signed for the preparation of an integrated rural education project for Haiti. Agreement activities are already underway with promising results.
4. **Agreement on Agricultural Project Preparation** – Several matters pertaining to the current agreement have been taken up and settled, in accordance with new operational procedures adopted. The work undertaken on this Agreement which terminates on May 12, 1977, is progressing satisfactorily.
5. **Identification of New Areas for Training Programs** – Steps have been taken to establish a possible cooperative training program, as an extension, expansion or substitution, of the current agreement on preparing agricultural projects. The IICA Specialist on the Preparation of Agricultural Projects, Mr. Guillermo Grajales, met with IDB functionaries to explore potential areas for the new training program and a possible new agreement between IDB and IICA to this end.



His Excellency the Ambassador of Barbados at the OAS, signing the instrument of adhesion to the IICA Convention, together with the Secretary General of the OAS, Dr. Alejandro Orfila, as Barbados becomes a new Member State of the Institute.

6. **Institutional Support provided on Integrating Agricultural Research and Extension Endeavors in Bolivia** – A Plan of Operations was revised, which will serve as the basis for an agreement between the Government of Bolivia and IICA, on the organization of the Bolivian Agricultural Technology Institute. The text of the agreement has already been agreed on by Bolivia and IICA, and is pending approval by IDB, which has already signed an agreement with the Government to finance the establishment of the agricultural technology institute.
7. **Formulation of Integrated Rural Development Projects in Bolivia** – IICA has cooperated with IDB on revising the pertinent Plan of Operations. Once an Agreement is signed between IDB and the Government of Bolivia on the corresponding financial aspects, IICA will enter into an agreement with the Ministry of Farming Affairs and Agriculture of Bolivia (MACA), to implement the program.
8. **Colonization Project for the Area to be influenced by the future La Paz - Puerto Salinas Highway** – Talks have been held on possible IICA cooperation to help MACA-Bolivia prepare a proposal to IDB to finance the highway. The principal economic and social justification for the highway would be the incorporation of new

lands for agricultural and animal husbandry production, opening up new working fronts for the rural population.

9. **International Group for the Agricultural Development of Latin America (IGAD/LA)** – IICA participated actively in the IGAD/LA meetings which were held to establish the general orientation of future work and to formulate proposals for consideration at the First Consultation Meeting, held in Cancún, Mexico. IICA also participated in the Consultation Meeting and the V Plenary Session of the Group, to study the recommendations of the Consultation Meeting and to analyze alternate ways to implement them.

Agency for International Development (AID)

All necessary steps have been taken to subscribe the Seventh Amendment to the Management Program Agreement, thereby extending it to June 30, 1977.

Organization of American States (OAS)

1. **Operationalization of the OAS/IICA Agreement** – With the aim of organizing the Third Meeting of the Joint OAS/IICA Coordination Group, pertinent contacts and arrangements were made with the OAS Liaison Office and with the Executive Secretariats of Economic and Social Affairs



The Director General of IICA addresses those present at the signing of a new CATIE Agreement with the Government of Costa Rica. The Vice-Minister of Foreign Affairs of Costa Rica, Dr. Victor H. Román, and the Acting Director of CATIE, Dr. Jorge Soria, accompany the Director General.

and Development Cooperation. At the meeting held in Washington, agreement was reached as to some formulas to improve coordination between IICA and OAS programs in the agricultural sector.

2. **VII Inter-American Conference on Agriculture – CEPCCIES**, as delegated by CIES, has studied and analyzed pertinent background information, draft rules of procedure and the tentative agenda for the Conference. However, because of the Regional Latin American Conference of FAO which was held in Lima together with ECLA's Annual Meeting, at the beginning of 1976, CEPCCIES agreed to postpone the Inter-American Conference on Agriculture to 1977. At a later CEPCCIES meeting in the fall of 1976, the matter will be taken up again, to study the tentative agenda and to come to a decision as to a date for the Conference. In accordance with a resolution taken by the General Assembly, the Permanent Council may convene the Conference once CEPCCIES has authorized it.
3. **IICA participation in the OAS Scholarships Committee** – IICA participated in the study and evaluation of candidates requesting OAS scholarships for studies in the areas of agriculture and rural development.
4. **IICA Representation on the different OAS Agencies** – IICA participated as official "Observer" at the following meetings:
 - Inter-American Economic and Social Council (CIES)
 - Inter-American Women's Commission
 - Permanent Executive Committee of CIES
5. **Contacts with Accredited Missions at the OAS** – A number of contacts have been made with the Ambassadors and other members of some of the Permanent Missions to the OAS, related with the adherence of Barbados, Grenada and Trinidad-Tobago to the IICA Convention; the formalization of Basic Agreements; the elections for Director General and the Fifteenth Annual Meeting of the Board of Directors.
6. **Administrative Tribunal** – All necessary steps were taken to successfully formulate an Agreement between the OAS and IICA, since signed, whereby the professional staff members of the Institute have recourse to said Tribunal.
7. **Retirement and Pensions Fund** – IICA-Washington has been in constant contact with the Fund, with the aim of defining the rights of IICA personnel participating in the Fund, in accordance with the current and new regulations being



High-ranking IICA staff members observe the earthquake devastated areas in Guatemala so as to plan the assistance IICA will provide this Member State.

studied at the OAS. Attention was also given to getting satisfactory response to information requests concerning retirement procedures, and on loan requests.

8. **Inter-American Women's Commission** – Working relations were maintained with the Commission, particularly as concerns the role of women in rural environments.

Other Agencies, Countries and Institutions

1. **Relationships with UNDP** – Closer relationships have been fostered with UNDP, particularly with Miss Margaret Anstee, Director of UNDP-Latin America, who participated in the round-table on "International Cooperation on Rural Development in Latin America and the Caribbean".
2. **U. N. Dwellings and Planning Center** – IICA participated in a working group designated by the Center to analyze the subject of rural dwellings within the context of an integral rural development process.
3. **Relations with the Mission from Spain at the OAS** – Several talks and exchanges of ideas were held concerning a cooperative agreement between IICA and the Government of Spain. Considerable progress has been made on drafting an agreement, which may be signed when the Secretary General of the OAS and the Director General of IICA visit Spain towards the end of the year.
4. **Relationship with the Pan-American Health Organization** – Relations with PAHO have long been close. Recently, IICA participated in the Technical Discussion on Nutrition and Food Policies and Programs, sponsored by the Council of Directors of PAHO.
5. **Relations with the World Bank** – The Bank requested the collaboration of IICA's Agricultural Projects Specialist, Mr. Guillermo Grajales, for a course on agricultural projects given by the World Bank in Washington, D. C. The material

used during this course, in English, has served as the basis for the material needed for the course on preparing agricultural projects which IICA is giving in Jamaica.

6. **Trip to Grenada** – An IICA staff member travelled to Grenada to explain to Government authorities about the procedures for Grenada's adherence to IICA's convention. Information on the Institute and its work programs was also sent to Grenada for the perusal of pertinent authorities.
7. **United Nations Meeting on Human Settlements** – IICA participated as official "observer" at the World Conference on Human Settlements held in Vancouver, Canada from 31 May to 11 June 1976, sponsored by the United Nations.
8. **Relationships with FAO** – IICA and FAO (Food and Agriculture Organization of the United Nations) are working ever more closely on coordinating several endeavors at national and regional levels. The Proceedings of the Consultation of Agricultural Research Experts, held in Panama in 1975, and sponsored by FAO, currently being published by IICA.
9. **Relations with the Kellogg Foundation** – An Agreement was signed with the Kellogg Foundation in 1973, to expand the publications program "Textbooks and Educational Materials Series of IICA". With this assistance, the Series has increased the average two to three books published per year, to five or six. The selection of books published has been made with great care, and the published volumes have been welcomed with alacrity by students, professors and researchers in agricultural sciences, throughout Latin America.

Permanent Headquarters of IICA

Since its inception in 1942, the Inter-American Institute of Agricultural Sciences has had its head offices in Costa Rica, originally in Turrialba at the Training and Research Center (today the Tropical Agricultural Research and Training Center, CATIE) and as of 1961, in San José. The move to San José, of IICA's head or Executive Offices, coincided with a new stage in the development of Institute activities, characterized by their expansion as a result of the increased support of the Member States, in view of the need to ensure agriculture's increased role in the economic and social development plans of the Member countries.

As a result of the general expansion of Institute actions, the Executive Offices also expanded its field of action, and several new programs were established, which depended directly on the technical capacity and administrative responsibilities of the head offices. At this stage, IICA also worked on acquiring external resources to help finance some of the expanded operations. In addition to Project 39 in the field of technical education for rural development purposes,



The Director General of IICA presents his Annual Message at the inaugural ceremony of the Fifteenth Annual Meeting of the Board of Directors, held in May 1976, in Washington, D.C.

which the OAS had asked IICA to administrate, Project 201 on agricultural credit and Project 206 on agrarian reform were added, to be absorbed late by the Institute's regular budget. As IICA expanded its scope of action at the behest of the Member States, also members of the Inter-American System as a whole, the need for expanded physical facilities at the Executive Offices became necessary.

As time went on, IICA's offices in San José were scattered about the city in different buildings, some a considerable distance from others, and some not even within the city, such as the Inter-American Centre for Agricultural Documentation and Information (CIDIA) and the Computer Unit, which were located 65 kilometers away from the Executive Offices, even though an integral part of the head offices. IICA was increasingly obliged to pay out ever-larger sums in rent and in provisional works to condition the offices for IICA purposes. In a large measure, the distances between offices, and their very provisional nature, hindered the efficient and effective compliance with scheduled activities. As these problems increased, the need was increasingly felt to set up definite facilities with the necessary conditions specifically suited to IICA's functions. Hence, a building which could hold all the Executive Offices under one roof was needed, with enough and adequate room for other complementary or related activities, of either national or international nature, such as technical meetings, conferences, seminars, etc.

The need for such a building has been felt for some time now. The realization of the current, permanent headquarters building was taken on by the Executive Offices and its completion in a relatively short period of time considering its magnitude, has enabled the various offices to move into more suitable surroundings, conditioned for a more effective compliance with the multiple responsibilities of an institution of hemispheric scope. The steps taken to this end are as follows:

On January 9, 1973, the Permanent Board of Directors of IICA in Washington, D. C. approved Resolution IICA/JD.1(1/73) authorizing the Director General to receive the plot of land donated by the Government of Costa Rica for the permanent headquarters building of this inter-American agency. Previously, the Director General had informed the Board about this donation, including all background information pertaining to the decision of the government in this respect, as contained in Law number 5389 of October 23, 1973, of the Legislative Assembly of the Republic of Costa Rica, whereby it was agreed to donate two hectares of land in San Isidro de Coronado, in the province of San José, to IICA.

At the behest of the Board of Directors, the Director General presented a preliminary draft of building specifications for the headquarters, on December 3, 1973. Moreover, a detailed description of



The Director General Araujo looks on, while Dr. Joaquín de Pombo, Minister of Agriculture in Colombia, presents Mr. Jorge Ortiz Méndez, with the Inter-American Agricultural Medal for 1975.

the work was included, prepared by the Director General himself, a technical team of advisors from the professional staff of IICA and the architects responsible for the design of the building; a justification for the building; a description of the physical plant and the architectural aspects of the building, and a detailed description of the plan to finance it, together with other complementary information as to the construction and maintenance of the building.

As the Director General informed the Board, the Headquarters building will provide the Inter-American Institute of Agricultural Sciences with appropriate facilities for the implementation of Executive Office activities and related services, as well as providing for expansion over the next ten years. Very shortly, maintenance expenses will be similar to those which would be needed in any case, for the up-keep of several offices throughout the city.

On August 28, 1974, the Board of Directors approved Resolution OAS/Ser.L/I-IICA/JD.8(10/74), authorizing the Director General to carry out the following, with respect to the Headquarters building:

- To begin construction of the building, in accordance with the architectural design submitted to the Board, and studied by a Special Committee; to take the proposed financial measures, and others, to carry out the project, amongst which the following are of immediate application:

- To utilize: monies received from the U.S. Agency for International Development (USAID) in payment of administrative costs of an agreement between IICA and AID (AID-LA-187); an advance on the Kellogg Foundation grant to strengthen the Textbooks and Educational Materials Program of IICA, with Foundation authorities' express approval, on the understanding that the advance will be returned for Program purposes; a given amount from the Institute General Working Fund, to be returned to the Fund in successive annual contributions, once the building is completed.

On January 28, 1976, the Board of Directors approved Resolution IICA/JD/Res.10(18/76), authorizing the use of an additional sum for the building in



Dr. Alejandro Orfila, Secretary General of the OAS, visits the construction site of IICA headquarters building, accompanied by high-ranking IICA staff members.

accordance with the justification presented by the Executive Offices in view of the unexpected increase in labor costs and the price of materials due to the

energy crisis which was felt very severely in the country, and the national and international monetary inflationary cycle.



Chapter II.

AGRICULTURAL INFORMATION
AND DOCUMENTATION

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Chapter II

AGRICULTURAL INFORMATION AND DOCUMENTATION

Introduction

In the economic circles and planning spheres of developed countries, information is increasingly considered as one of the more valuable raw materials of national wealth.

Only recently have the national governments of Latin America, an eminently agricultural continent, recognized the importance of establishing and developing effective information systems as essential factors for fostering agricultural progress. This growing awareness of the importance of information for the very survival and economic growth of a country, is becoming increasingly evident in the concrete actions taken by Latin American countries to support the development of national technical and scientific documentation centers. This tendency is also obvious in the field of agricultural sciences, through the creation of national libraries and the proliferation of specialized agricultural documentation centers.

The Role of Information in the Development Process

A United Nations document for the second development decade, indicates that the agricultural sector plays a decisive role in most developing countries. The Organization for Economic Cooperation and Development (OECD) has indicated that perhaps one of the most important factors in the coming decade is an acknowledgement of the true value of information — up-to-date, reliable and relevant information concerning the needs of a changing society.

At present, industrialized nations consider information to be essential to back up the science and technology developments, including social and economic implications, and as an integral component of government policies. Moreover, it is increasingly recognized that not even the industrialized nations have the capacity to organize qualitatively satisfactory information systems, so as to obtain the highest possible degree of effective economic use out of the automated information processing.

The importance assigned by international organizations on assuming leadership responsibilities to foster large scale information systems, based on world-wide co-participation and coordination between countries and disciplines, has become increasingly evident during this decade. Both UNESCO and OECD have been paying considerable attention to fostering and estab-

lishing information policies at government and international organization levels; and to the establishment and development of world information systems for the different branches of knowledge, as a constant, main concern of all the specialized agencies of the United Nations and other organizations with scientific and technological information programs and systems underway, with the aim of helping Member States to foster and support national information policies, and their coordination at multinational and world-wide levels through various flexible linkage and co-participation mechanisms. This is also true on the inter-American scene, as may be noted from the policies and decision taken in this respect at the meetings of CACTAL, CIES, CYCIT, and others.

Previously considered insignificant, or relegated, as compared to other disciplines, Agricultural Sciences have now entered the arena of this information superstructure at national levels, and in turn, within a world-wide context.

At the top of this superstructure, is UNESCO's UNISIST which coordinates all the branches of science and technology; and AGRIS — the now operative International Information System for Agricultural Sciences, sponsored by FAO — represents the trend towards cooperation between automated systems being created, based on the need to face up to economic realities which cannot be born independently by the different information systems. This trend is being supported by the developed countries, and is already being applied to information systems in different disciplines.

In Latin America and the Caribbean, IICA-CIDIA is the Coordinator Center for AGRINTER — the Inter-American System for Agricultural Science Information. The Center works on an individual basis throughout the continent, while participating on the implementation of AGRIS at world levels, as the Regional Input/Output Regional Center for the hemisphere, as per recommendations made by the Latin American and Caribbean nations at the XII Regional Conference of FAO for Latin America, held in Cali, Colombia, in 1972.

The Origin of Agricultural Documentation in Latin America

In an analysis of the historical evolution of agricultural library and documentation services in Latin America, a first serious study of the situation of libraries and agricultural scientific information was carried out

between 1948 and 1951. Shaw, Samper and Gropp visited libraries, documentation services and agricultural education, research and extension institutions with the aim of finding out what bibliographic resources were available in agricultural and related science libraries, and to identify possible solutions so as to provide professors, researchers, students and other specialists with adequate access to agricultural science and technical information channels. As a result of the recommendations from this study, the Scientific Exchange Service of IICA was established in Turrialba, Costa Rica. This Service was in charge of initiating the first systematized agricultural documentation activities in Latin America, through a program which provided bibliographic services and the reproduction of documents throughout Latin America. Another result of this study, was the First Technical Meeting of Latin American Agricultural Librarians, in 1953.

Since then, IICA has pioneered in the development of agricultural scientific communications at the inter-American level, through a program which includes:

1. Exchange of knowledge and experience (on research and education activities).
2. Library and documentation service facilities.
3. Publication of scientific and technical documents.
4. Publication of bibliographies and documentaries.
5. Programs for up-grading libraries.
6. Organization and promotion of meetings for librarians, documentalists, communicators and educators.

Agricultural Library and Documentation Services in Latin America

The explosion of biological and agricultural information has perhaps only been equaled in the fields of chemistry and physics, which to a greater or lesser degree, form a part of the inter-disciplinary spectrum of agricultural sciences. In 1962, the exponential growth of technical and scientific literature was calculated on the basis of volume duplication every ten years. Recent estimates indicate that in the 70's, the volume of scientific literature doubles every five years.

Although the effect of this information explosion has been slow to arrive in Latin America, it is now increasingly and strongly evident in the field of agricultural documentation. Of all the specialized categories, it is probable that agricultural sciences account for the largest share of documentation activities in Latin America. In less than a decade, there has been a marked trend in the proliferation of national agricultural documentation centers or libraries throughout the continent. Back in the 50's, when IICA initiated the first agricultural documentation activities at an inter-American level, a group of three or four representative national libraries provided practically the only



Participants and Professors at the XIX Inter-American Course on Agricultural Documentation and Information, held at IICA-CIDIA headquarters in April 1976.

available, traditional library services; the marked increase today in interest and activities in this field are obvious. Starting with the basic core in Turrialba of the Scientific Exchange Service, and its Library and Documentation Services, IICA has continued to generate a network of progressive documentation activities, either as an integral part of IICA's system, or in cooperation with other agencies.

The Objectives, Strategies and Programs of IICA-CIDIA

CIDIA's general, over-all objective, is to support the development of agricultural documentation and information throughout the Continent, as an integral part of the conceptual and operational framework of IICA.

The documentation and information activities of IICA were restructured in 1970, with the creation of the Inter-American Centre for Agricultural Documentation and Information (CIDIA), as recommended by the Special Advisory Committee which analyzed and evaluated IICA's role throughout the Hemisphere. The Committee's recommendation was accepted and approved by the Board of Directors.

The rationale for creating CIDIA was based on an acknowledgement that a coordinator agency was needed in this Hemisphere, to stimulate and actively cooperate on the creation, development or consolidation of national agricultural information systems in each country. It was also felt that a coordination entity was essential to accelerate the processing of large volumes of information and the application of new management technologies, for the benefit of the countries in Latin America.



IICA offers agricultural information courses, including type-setting practices.

CIDIA is still in the process of refining its programming actions, so as to better identify priority activities and strategies, in accordance with available resources, and its institutional policies in the area of agricultural documentation and information; and designing applicable models for diagnostic studies of the agricultural documentation and information sub-systems in the countries.

CIDIA activities are undertaken in close cooperation with IICA's regional and national offices, and the Planning Office. CIDIA strategy to attain its objectives will concentrate on:

1. Providing advisory services on national diagnostic studies;
2. Training human resources, at different levels, in the countries and at headquarters.
3. Coordinating AGRINTER operations, and supporting the development of national documentation and information centers and sub-systems.

Short and medium term efforts will be concentrated on the first and third activities. Together with

the technical advisory services provided, CIDIA's major innovative responsibility has been to foster, stimulate and support the implementation of AGRINTER.

As IICA-CIDIA functions as the Coordinator Center of AGRINTER for Latin America and the Caribbean, and as the Regional Input-Output Center of AGRIS, it has had to and will continue to develop strongly defined leadership traits, with extra-continental projections. The establishment of AGRINTER represents the introduction of automated methods for the processing and diffusion of information, and their adoption at national levels. CIDIA also plans to give priority attention, insofar as resources allow, to the gradual provision of information needed by national planners responsible for political decisions.

The technical cooperation provided by CIDA, (Canadian International Development Agency) Canada, since 1974 in support of AGRINTER and its linkage with AGRIS, has been a significant contribution to the accelerated development of both projects; the accelerated attainment of priority CIDIA objectives for the benefit of the countries; and the future projection of its programs.



Latin American agricultural librarians and documentalists receive training in automated programming.

IICA Publications and Official Series

During the past year there has been a constant flow of publications within the different official publication series of IICA. Worthy of note are the two specialized journals, *Turrialba* for physical and biological sciences, and *Rural Development in the Americas*, for the socio-economic fields. The Text-books and Educational Material Series, with substantial financial assistance from the Kellogg Foundation, publishes an average of five or six books a year. Other published series include: the Official Documents Series with the Resolutions and Documents from the Annual Meetings of the Board of Directors plus other matters of interest; the Institutional Development Series, which has been widely accepted throughout Latin America; the Miscellaneous and Conference Reports Series, whereby IICA publishes technical and official information on the results of institutional actions; and the traditional series — Annual Report, Inter-American Agricultural Medal, Hemispheric and Humanistic Projection, various information bulletins, Country Services and others, such as the AGRINTER Agricultural Index for Latin America and the Caribbean — all effective instruments for the diffusion of technical, scientific and public information material for the agricultural sector, throughout the Hemisphere.

Of 44 book manuscripts submitted for publication, 14 have been accepted, on several topics—in Spanish and in Portuguese—from authors in different countries. This is an increase over other years, as a result of promotional work undertaken. Five books were published during the year, plus the periodic journals and newsletters, and all other official series.

Since April 1976, IICA has been reorganizing its methods for publications distribution, on aspects pertaining to registration, stock control and sales. The different IICA offices in the Member States have cooperated efficiently to this end.

IICA has also continued reinforcing the print shop, through personnel training and the purchase of new equipment. The print shop is now an effective aid in the technical and editorial work carried out, with its various services of text preparation, artwork, photomechanics, printing and finishing aspects, and produces a substantial part of the Institute's documents as well as some from national institutions or international agencies, through existing technical cooperation agreements.



IICA programs include extensive dissemination of results on work accomplished.

Worthy of mention is the fact that the journal *Turrialba* has completed twenty-five years of service to the agricultural researchers of America. In the special issue commemorating the occasion, the Director General of IICA stated: "At the beginning, *Turrialba* depended largely on IICA technicians located in Turrialba, for its articles. Once its scientific caliber was established, however, articles arrived from all over America, and in recent years, from the rest of the world, without any discrimination as to origin, ideology or system. This is as it should be, when there is an exchange between scientists who work for the good of mankind."

IICA Action in the Andean Zone

In Bolivia, work continued, for the fifth consecutive year, on up-dating and analyzing information on the agricultural sector and its institutions. To this end, an Agricultural Diagnostic Study was carried out by the IICA Office in Bolivia, in cooperation with Mr. Hugo Ossio. The study served as a basis to up-date and analyse information pertaining to the 1975 Operative Plan, prepared by the Ministry of Planning and Coordination, and for the USAID publication "Current Status of Agriculture in Bolivia-1975."

These documents, plus the Diagnostic Study of the Agricultural Sector of the Ministry of Farming Affairs and Agriculture contributed to the preparation of a first approximation of IICA's country-level action plan for Bolivia, in July 1975. Changes and improvements to be made were identified as a result of the recommendations contained in these documents, plus the strategies and techniques to be applied so as to contribute more specifically to meeting the country's needs over the next few years.

In Colombia, accumulated statistical information was brought up to date, and information is being obtained on the foreign agency sub-system supporting agricultural development in the country. In July and August 1975, the country-level action plan for Colombia was prepared, whereby the orderly provision of technical assistance by IICA will ensure maximum support for the institutional system and public agricultural sector. To this end, 18 information documents were utilized, and nine internal working papers were prepared on specific topics.

The training of agricultural library personnel has been continued in the areas of documentation and bibliographies. This training has included AGRINTER methodology for the registry and processing of biblio-

ographies, with the aim of facilitating the organization of the National Agricultural Information System (SNICA) to be coordinated by the Agricultural Library of Colombia at Tibaitata.

The use of a common methodology will facilitate the increased usage of documentation available in the different SNICA libraries, and its interconnection with the AGRINTER, -Latin American, and AGRIS-world-wide, systems.

In Ecuador, an internal working paper was prepared on the evolution of agriculture and the institutions of the agricultural sector of that country. The paper includes up-dated information of a more reliable nature due to progress made in the effective retrieval and description of data.

The project on up-grading and supporting national information agencies is completing the initial phase of the work oriented toward the creation of a national agricultural information system, structured on the basis of a commitment of the key entities involved. To this end, a meeting was held with representatives of the Faculty of Agronomy, JUNAPLA, the Ministry of Agriculture and the National Agricultural Research Institute (INIAP) with the aim of motivating and structuring the commitments so as to formulate a project oriented towards the institutionalization of the National Agricultural Information System.

In Peru, work on the diagnostic study of the institutional system and development of the agricultural sector was continued, using the methodology established at the Executive Office for country-level action plans. To this end, general sectoral objectives were identified, and criteria were selected for the identification of crucial agencies and variables. The next step was to formulate projects for identified areas, and actions for work on specific matters were proposed.

Special emphasis has been given in the field of agricultural communications to training agricultural librarians and documentalists in improving communications systems at the Food Ministry. Formal courses and in-service training have been offered in aspects directed towards helping pertinent national personnel to create and strengthen the national information system.

In Venezuela, information on the evolution of the agricultural process and the agricultural institutions of the country has been compiled since 1970, and has served as a basis for the country-level action plan, being one of the factors which most influence the plan's orientation towards strengthening the agricultural sectoral institutional system, and the determination of necessary resources to implement the plan.

The availability of pertinent information over a number of years has been of use to help revise the

evolution of sectorial institutions, in accordance with national plans and government priorities, and as related to IICA projects underway. The over-all diagnostic study has been complemented by more specific studies of sub-systems and agencies. During 1975-76, a diagnostic study of Venezuelan agroindustry was conducted and in previous years studies were completed on marketing and education aspects. These studies, and the evaluation of the institutional planning sub-system for the agricultural sector, contributed to the decisions taken on how best to strengthen the ministerial programming and budget office at the Ministry of Agriculture and Livestock. Since an up-dated general analysis of institutional systems and the evolution of the agricultural process are important, it is expected that these actions will be progressively improved over the next few years.

As to information aspects per se, direct advisory services were provided the national agricultural information sub-system and assistance was given the libraries and agricultural documentation centers which support the multinational AGRINTER and AGRIS Systems.

IICA Action in the Northern Zone

As the headquarters of the Inter-American Centre for Agricultural Information and Documentation (CIDIA) is in Costa Rica, national activities in the area of documentation and information for that country, are presented under the section pertaining to CIDIA, in this same chapter.

Other actions pertaining to the institutional diagnostic study of the country's agricultural sector were started in June, at the behest of the Ministry for National Planning, and should be completed by November 1976. The study also serves as an in-service training situation for 10 national technicians, who are cooperating on it. Work has also been done in the area of diagnostic studies for the Lands and Colonization Institute (ITCO) and on operative programming aspects for the National Production Council (CNP).

With the aim of adjusting IICA's actions to the real needs of El Salvador so as to up-date the country-level action plan, work was continued this year on compiling basic information on the rural sector, service systems, and specific agencies, plus an analysis of the development of and compliance with agricultural sectorial programs and plans. This study, for internal IICA use, was conducted with the aim of acquiring up-dated information concerning adjustments being made in the institutional field and to examine development tendencies and the factors which limit sectorial expansion, and the current status of implementing the Agrarian Transformation Plan. As a result, priority areas identified previously by the country-level action plan were ratified, and project content for 1976-77 and tentatively for 1977-78, has been adjusted accordingly.

In the field of information work has been continued with CENTA's Information Services, with the aim

of strengthening this new office to increase its output. To this end, the CENTA Information Office head received in-service training at the Latin American Educational Communications Institute (ILCE) in Mexico. This Institute has indicated its willingness to continue cooperating with IICA on training national personnel from countries in the region in information areas.

Although the country-level action plan for Guatemala was not up-dated, sufficient new information was obtained to serve as a basis for the improved orientation of technical cooperation projects underway. Natural adverse conditions and other internal factors have had a negative affect on the successful implementation of some of the projects, thereby diminishing their effect. A short-term goal should be to remedy this situation with respect to actions undertaken in and for the public agricultural sector.

PIADIC actions in Guatemala are particularly worthy of note, in collaboration with the National Coordination Committee on formulating the National Plan to up-grade their agricultural information system.

Faulty or missing information concerning the rural development process is one of the more serious limiting factors in the planning process for the sectorial development. In this area, then, two very specific actions were undertaken in Honduras: In the first place a study of rural and institutional development in Honduras was carried out, and a series of other information actions on the evolution of the agricultural sector, were completed over several years. The aim was to identify the problems, needs and solutions for the institutional systems of the agricultural sector of that country. In the second place, specific actions were undertaken to up-grade the agricultural documentation and information services in Honduras, through in-service training on these aspects. Advisory services were also provided on the formulation of a project to seek financing for the development of the National Agricultural Documentation and Information Center of Honduras. Thus, IICA's Office in Honduras has been fostering actions in this field to strengthen the pertinent institutional sub-systems, to pave the way for future close working relations with the CIDIA and PIADIC programs in that country. Moreover, PIADIC was successful in having the National Committee appointed and the national program approved. The Committee is comprised of members from the CoCo Technical Commission, and the Statistics and Census Office. A Committee meeting was held to define PIADIC work priorities for the year, which are already underway.

In Mexico, a situation analysis was conducted on the basis of collected information, with the aim of characterizing the institutional system of the country. Sufficient information was available so as to determine the more relevant national programs, the institutional sub-systems responsible for these programs, and the key organization or agency in charge of implementing them, within each sub-system.

National policy lines for the general socio-economic development of the country were identified, particularly with respect to the agricultural development process, in addition to the national plans and strategies proposed to solve identified problems. As a result, the first version of IICA's country-level action plan for Mexico was formulated in June 1976.

In the area of agricultural information and documentation, a meeting was held with national agricultural librarians and documentalists with the aim of studying the mechanisms needed to establish the National Agricultural Information System.

In Nicaragua, IICA has continued to actively cooperate on sectorial studies and analysis. During the 1975-76, efforts were oriented towards the in-depth study of two institutions: the National Foreign and Domestic Trade Institute and the Agrarian Institute of Nicaragua. Work was also started on the diagnostic study of the Agricultural Extension Service, within the new INTA scheme. To this end, critical problems have been identified and solutions suggested, in line with general government guidelines.

As in the other Central American countries, Nicaragua has also benefitted from increased activity in information and documentation, through the work of PIADIC. The first concern was to create the pertinent National Advisory Committees.

Progress has been made in Panama to up-date the diagnostic study of the agricultural sector. Considerable, reliable information has been compiled for the analysis of the agricultural sector in the 1976-77 fiscal year. The diagnostic study conducted on the Ministry of Agricultural Development (MIDA) served as a basis for an international agency project to finance the research institution (IDIAP) within the MIDA institutional framework.

In general, it may be stated that in IICA's Northern Zone, every effort will be made as of the 1976-77 fiscal year, to strengthen this program, so as to ensure that each national project include all actions programmed for the year, establishing a new multi-national project to ensure the improved systematization of work accomplished, plus the necessary follow-up and support services to be provided by personnel from the Regional Office.

IICA Action for the Southern Zone

In Argentina, IICA has included the up-dating of the national diagnostic study on rural sectorial tendencies into its action program, confirming several conclusions already arrived at. There are definite possibilities for the expanded action of IICA in this country, although there is as yet only a schematic policy outline, to be more clearly defined, once more concrete mechanisms have been established for review planning. Considerable progress has been made on the SNICA-Argentina support project, through a series of successive actions.

In addition to the establishment of IICA's country-level action plan for Brazil, there is an established agreement for the development of a support plan for Brazilian librarians with the Federal University of Viçosa, in Minas Gerais. It should be noted, however, that on this project IICA acts only in a catalytic capacity, since it has no technical personnel specialized in this field located in Brazil, and CEFIE priorities differ from IICA's. Thought should therefore be given to orienting this project in support of personnel training for the National Documentation System and AGRINTER purposes.

IICA has also been involved in training communicators and information specialists, so as to ensure an adequate transfer of technology in irrigation aspects. Personnel from the Norther-east Development Program (SUDENE), the San Francisco Valley Development Committee (CODEVASF) and the National Public Works Department for Drought Problems (DNOCS), were trained in preparing information bulletins on irrigated agriculture, and on a diagnostic study of technical information needs for producers.

The diagnostic study of the rural sector and related institutions of Chile was completed, and served as the basis of IICA's country-level action plan for that country. National Advisory Committee meetings were held as usual, in addition to several seminars and courses, and other meetings on the organization of the agricultural and forestry science information and documentation sub-system. Courses in scientific communications and technical writing were also given, and in-service training situations provided for librarians.

In Paraguay, IICA actions were oriented within this Line of Action, toward the diagnostic study of the sector in cooperation with the sectorial planning offices of the Technical Planning Secretariat. This study will serve as the basis for formulating the National Agricultural Development Plan for 1975-80, together with the Ministry of Agriculture and Animal Husbandry.

Upon completion of the institutional diagnostic study of the agricultural credit sub-system, a document was written up entitled: "Background information for the diagnostic study of agricultural credit in Paraguay." Similarly, another study was completed on the organization of the national agricultural information sub-system, so as to cooperate on the organization of agricultural information and documentation in the country. As a part of this action, IICA also cooperated on the formulation of a project to up-grade the agricultural statistics project, so as to establish the necessary bases for determining current and potential national capacity for agricultural production, so as to more precisely plan necessary increases in production and productivity.

IICA activities in Uruguay, within the national action plan for the 1975-76 fiscal period, were oriented towards helping solve agricultural sectorial problems, in the following order of priority: Produc-

tion and Productivity; Domestic Marketing; Planning and Coordination; Land Tenure, Farm size and Colonization; and Higher and middle-level agricultural education. These priorities were assigned as a result of the diagnostic study conducted in the 1974-75 fiscal period, which also included institutional problems and sectorial system and sub-systems operations, in relation to Action Plan objectives.

The AGRINTER System was officially established in Uruguay by government decree, an important step towards up-grading the agricultural information system in Uruguay. CIDIA will be supporting the development of project objectives in this field.

IICA Action in the Antilles Zone

Agricultural sectorial and institutional diagnostic studies are underway in Haiti and in Guyana. In July 1973, IICA started an analytical study on the domestic marketing system for agricultural products in Haiti. The first part of this study was concluded by August 1975, and over 20 publications were prepared on the different key aspects of the marketing system, including institutional aspects, transportation, marketing of specific products (six in this case), price studies, urban and rural markets, storage and taxation systems; consumer habits and others.

In information and documentation, necessary contacts have been made both in Haiti and Guyana to explore the possibility of establishing national agricultural information systems; CIDIA is cooperating with the national offices on this matter.

The first situation study on Jamaica is being prepared; "Basic Agriculture Information of Jamaica" to be published as an internal working document which will serve as a basis for future up-dating studies, for country-level action plan purposes. As a result of the study, three key areas have been identified for the development of the sector. Other institutional units have cooperated on this activity.

In the Dominican Republic, the IICA Office has kept up to date on pertinent information concerning the rural sector and related institutions. Projects and activities are therefore oriented towards working within policy guidelines as established by the State Secretariat of Agriculture and other sectorial agencies. Considerable progress has also been made in this country on the implementation of a national agricultural information system, and national personnel have been trained in library science and documentation.

Agricultural Information Program for the Central American Isthmus (PIADIC)

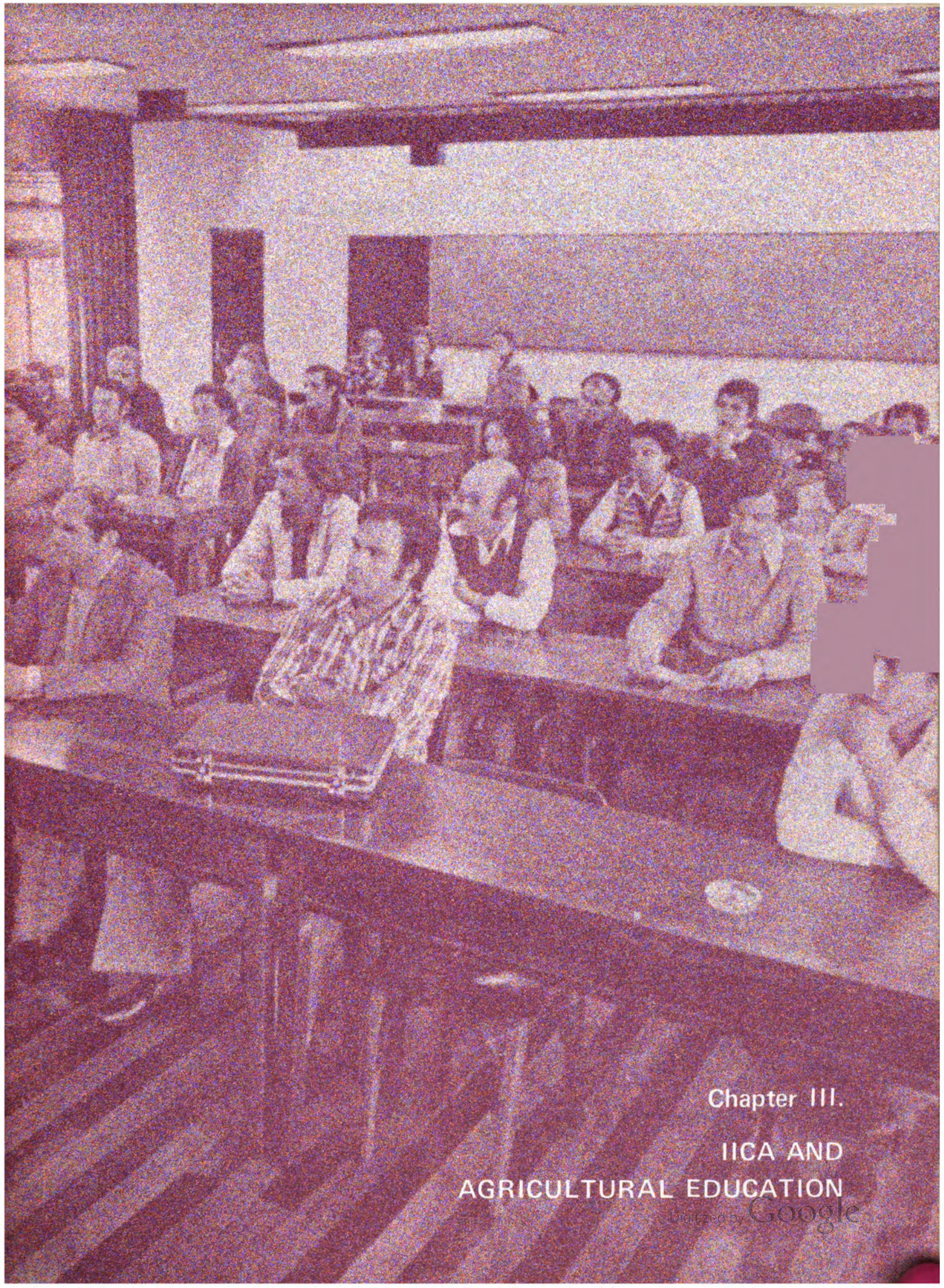
To close this chapter on information, special mention is made on of the Agricultural Information Program for the Central American Isthmus (PIADIC).

With head offices in San José, Costa Rica, this program has a highly qualified inter-disciplinary staff, the support and advisory services of other national agricultural sectorial agencies, and the assistance of specialized consultants in modern communications systems. The aim is to train national personnel to produce primary and secondary information on specific areas of interest for the countries of the area.

In this first stage, PIADIC is being financed for a period of three years with special funds provided by

the Regional Office for Central America and Panama (ROCAP) of the Agency for International Development (USAID), and IICA resources.

During this first stage, PIADIC has been able to create the program's National Coordinator Committees in each country, comprised of representatives of key sectorial agencies. Promotional work has also been carried out as to the scope and benefits of the program, and considerable technical material has been prepared for training purposes.



Chapter III.

IICA AND
AGRICULTURAL EDUCATION

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Chapter III

IICA AND AGRICULTURAL EDUCATION

Introduction

Theory as well as more recent empirical experience would indicate that the coherent planning, organization and provision of education for the rural sector at all levels, and using all the methods found necessary, contribute substantially toward increased agricultural production and productivity, to the generation of employment in the rural areas and to a reduction of the marginal status of the "campesino" population.

Nonetheless, a recent World Bank report confirms the fact that the educational systems over the past twenty years have been irrelevant to the needs of developing countries, and demonstrates that the educational systems in these countries are very frequently poorly conceived, and are not adapted to development needs.

Moreover, diagnostic studies conducted by IICA indicate that rural education has traditionally been relegated in favor of urban sectors, in the total educational efforts of the countries in Latin America. Educational programs, although highly diverse in nature, have the common characteristics of not being oriented deliberately, towards training graduates for the different working roles needed to solve the problems of under-development. The internal structure of the rural education agencies and sub-systems encourages the dispersion of efforts and in no way favors their articulation into an integrated system. In general, the exchange relationships which link these agencies and sub-systems to the community they serve are unnecessarily complex, frequently diffuse and too weak to guarantee the necessary contribution of education for development purposes.

To meet this challenge, IICA has adopted a two-level strategy: the two Multizonal Programs of this Line of Action. The first is concerned mainly with educational diagnostic studies and planning and, in essence, will attempt to attain the development and evolution of an educational process for the rural sector, that will clearly and effectively meet the specific needs of over-all national development plans. The second, more within the traditional IICA approach to educational action, is oriented towards the educational agencies and sub-systems which serve the sector, helping them to organize, program and evaluate their work with the aim of complying more efficiently with their responsibilities within the national planning process.

Internal Program Evaluation

A start has been made this year, on evaluating the education programs at the behest of the Board of

Directors, as per Resolution IICA/RAJD/Res.22 (14/75). There is no need to go into detail on the subject, as a specific document was prepared to this effect (IICA/RAJD/Doc.107(15/76) for the Board of Directors.

However, it is an opportune moment to reiterate our satisfaction at the usefulness of the evaluation reports for IICA's work in general, and for the progress of the evaluated programs in particular. The Agricultural Education Line, for example, has been completely reformulated, as have the corresponding programs. To this end, we adopted a new philosophy we have been working on for some time. The timeliness of this change in philosophy has been confirmed by the corresponding evaluation report, which also served to more clearly and precisely define it.

We have abandoned the somewhat naive concept whereby it was generally considered—and still believed by many—that the amount and the academic level of education were necessary elements enough to be considered, so as to make education an efficient instrument for development purposes. A study of the prevailing situation in Latin America in the field of education and a perusal of the latest literature on the subject—combined with our own experience in this field—has convinced us that other factors should be taken into account, such as the type, quality, up-dating and planning aspects of education, so as to contribute effectively to increased production and productivity, the generation of employment and the reduction of marginality in rural areas.

We have also learned that the dualism which exists between the modern and traditional sectors of our economies and the accompanying disparity of opportunities are becoming increasingly acute when a comparative study is made of the nature, quality and coverage of educational services provided in urban and rural areas. This type of situation must be corrected if the development process is to be achieved peacefully and with equity.

Thus, the IICA Line and Programs of Educational Action have been formulated so as to better promote and support actions to foster the training of skilled labor and the kind of human capital really needed so as to ensure a coherent introduction of educational plans into the general development plans of the countries.

Much in the manner in which we contributed substantially to the establishment of postgraduate



A group of Brazilian Home Economists at a working session of the XV Annual Meeting of the Brazilian Higher Agricultural Education Association.

education in Latin America, we firmly believe that in a few more years, with this new orientation, that we will be able to ensure increased educational coverage in the rural sector, encompassing the least favored groups and thereby their possibilities for improved well-being; to produce the needed trained elements to hold the different types of jobs required for production purposes and the adoption of technological innovations; briefly, to assume a new role and increased responsibility as concerns the integrated, humanistic rural development process which the Board has charged us to foster.

These are our ideas, and they place us on a par with the more advanced thinking on educational matters throughout the world; as mentioned, they have already been introduced into the Program-Budget proposed for 1976-77.

Moreover, we have not limited ourselves to up-dating our ideas. We have already initiated concrete actions to newly orient our activities in the field of education in the countries. These actions are not totally reflected in the Program-Budget, due to the time of year in which this document was prepared; nonetheless they are no less real. As of January 1976, we have been working at the Zone and country levels to bring each project in line with this new philosophy. We are currently in the process of providing the Line of Action in this field with a new structure, and we will probably have to move some of our staff.

Definitive actions are underway in some of the countries such as Haiti where, in cooperation with IDB, we are formulating a project to modernize the whole agricultural education system of the country. Possibilities for re-allocating our resources so as to open up new fronts without hurting actions underway are being studied; new contacts and links are being made while at the same time we have been promoting our work, so as to ensure our participation in decision-making plans at the highest levels.

This all takes time of course, and will probably require additional resources in the near future. This will be indicated in the new five-year projections being prepared.

IICA Action in the Andean Zone

Up to the current fiscal period, Agricultural Extension work has come under Line of Action II. Work in the Andean Zone in this field has been most positive and with a high degree of continuity, in Bolivia, Ecuador and Venezuela. In Bolivia, positive cooperative action was possible, under a specific project in the Oruro Department, together with the Ministry of Farming and Agricultural Affairs, particularly with respect to the training of much needed professional personnel with the creation of the Bolivian Institute of Agricultural Technology (IBTA).

In Ecuador, work has been concentrated on cooperating with the Rural Development Office of the Ministry of Agriculture and Livestock, on the orientation, organization and implementation of projects as well as on training personnel from the professional levels as well as from the "campesino" sectors.

In Venezuela, work has been continued on strengthening the Extension Office of the Ministry of Agriculture and Livestock. This project is, perhaps, amongst all those of the Multinational Program, the one which has been most consistent as to time and scope, in the field of extension of a Member State.

As to the program concerned with strengthening agricultural university education in the countries of the Andean Zone, it may be stated in general terms that the objectives of the program have been complied with, with very promising results in specific cases. A clear example of IICA's contribution to building up higher agricultural education in the countries of this Zone, is the assistance provided on strengthening academic planning and organizational aspects, through the improved functioning of the National Higher Agricultural Education Associations, and the up-grading of several faculties in these aspects.

With respect to the program concerned with strengthening postgraduate education institutions in the area, it should be remembered that only three of the five countries have graduate programs in agricultural education: Colombia, Peru and Venezuela. Preliminary steps have been taken in Ecuador and Bolivia to set up programs at this level. If the necessary financial and human resources could be assured, these programs could be started up. IICA is working on strengthening activities in this field.

IICA Action in the Northern Zone

The Rural Youth Program has been working on three specific projects in Costa Rica, Guatemala and Nicaragua, and one Multinational Project at the Zone level. Perhaps the main accomplishment of this Program has been the successful training of professional personnel and volunteer leaders of the Youth Club Programs of the countries of the area. Advisory services have also been provided, upon request.

Fourteen activities were undertaken within the program to strengthen the rural extension services in the five countries of the Central American Isthmus. Twenty-six agencies and 257 participants benefitted from these activities. Mention should be made of the fact that most of the projects in this Program are of several years duration. Thus, the effect of strengthening and developing the institutions involved in the program has been cumulative.

A brief review of the activities carried out within the Program on the Integration and Development of Agricultural Education: IICA supported the work of the Permanent Committee of Agricultural Education (CPEAS) of the Higher Central American University



Non-formal education is an integral part of the educational process in Latin America.

Council (CSUCA) from 1966 to 1972; and the Secondary Agricultural Education Association of Central America (ACEAS) was organized in 1972 for the agricultural education agencies at this level. Work was undertaken with both educational levels, separately, from 1972 to 1974. As of 1973, CSUCA lost interest in the Permanent Committee so IICA continued to work with an Ad Hoc Committee of Deans of Agronomy in the area. The two educational levels joined together, in November 1975, and the Regional Association of Agricultural Education Institutions of Central American was created. It is our belief that both levels can work well together, and in this manner accelerate the integration and articulation of both levels, both on a regional and a national basis. Results to date would indicate that the strategy employed has been satisfactory and that IICA should continue to support this new Association.

The Program to up-grade agricultural education agencies has been working mainly in El Salvador, Honduras, Mexico (two projects) and Nicaragua. Results would indicate that the activities carried out have contributed to the improvement of the agricultural education agencies in these countries. In addition, the Program implemented actions in the specific fields of technical writing, academic evaluation, professional up-grading and others, through in-service training and reciprocal technical cooperation activities.

The Program to up-grade teaching capacity has projects in Guatemala, Mexico, Nicaragua and Panama, and one Multinational Project for Central America. Although results to date have been positive, IICA is not yet satisfied, as there are still a number of agencies that could benefit from this program. Moreover, the program actions must be repeated every year, due to the lack of stability of the teaching staff at many of the faculties or schools of agriculture in the area. Hence it would seem advisable to seek another working



Professionals must take refresher and specialization courses, since the educational process does not end with a first degree.

strategy, and every effort should be made to ensure that as many agricultural education agencies as possible, set up their own teaching support unit.

IICA Action in the Southern Zone

The Agricultural Extension Program for the Southern Zone had one Multinational Project and three national projects in Paraguay, Argentina and Chile. Assuming that the technical assistance and farmer-training services will continue, future actions in extension, as understood within Line II, would be oriented toward the analysis of extension education at the university level, insofar as possible.

The work underway in Brazil is worth stressing, as concerns the educational aspects of the program, *per se*. As a result of the successful establishment of a Teaching Support Unit in 1974 at the Faculty of Veterinary Sciences in Minas Gerais, and others at a latter date at the Universities of Lavras, Viçosa, and Santa Maria, the Department of University Affairs of the Ministry of Education has decided to finance the implementation of this type of unit in 14 other higher agricultural education institutions throughout Brazil. To this end, the Department resorted to an existing agreement between IICA and the Brazilian Higher Agricultural Education Association, for help on preparing the projects for each institution interested in setting up a Teaching Support Unit. The Department allocated US\$ 50,000 for the purpose.

These Teaching Support Units are small, permanent groups which advise professors on planning their respective courses; select the more modern teaching and evaluation methods; and select, produce and use auxiliary teaching materials. Moreover, the Units also advise students to ensure their getting the most out of the learning process, and counsel the faculty on the continuous up-dating of the general studies program. Briefly then, the Unit serves as a sort of "pedagogic brain" for the faculty, and is comprised of one or more professors as well as several auxiliary members such as draftsmen and photographers.

IICA has been fostering this type of activity in several countries of Latin America. The Faculty of Veterinary Sciences in Paraguay recently hired three education specialists to head up a Teaching Support Unit. The title Educational Change Unit has been adopted in Colombia for similar-type structures, and several have been set up in some of the faculties of agricultural sciences.

Although fairly recent, the work of the Teaching Support or Educational Change Units would indicate that a very real need is being met, since many professors may well have a thorough knowledge of their respective subject matter, but have never had any teacher training courses, and have therefore taken enthusiastically to the help provided by education specialists.



Signing a specific agreement between the Ministry of Agriculture, the Ministry of Public Education and IICA, for the provision of advisory services on the Agricultural and Forestry Education Sub-system of Chile.

In Chile, IICA has been active in coordinating the postgraduate education programs. The Seminar on Evaluation at the Postgraduate Level, held in Quilpué in March-April 1976, is a good example. This Seminar, the third of a series, was sponsored by the Permanent Agricultural and Forestry Sciences Graduate Program of Chile. Eighteen Directors, Professors and Counsellors of the different graduate courses in Chile attended the seminar, and it is expected that the material presented and the discussion results will serve as a source of up-dated information and as a basis to conduct later internal seminars with the aim of assuring an in-depth analysis of the current situation to help set national objectives and to assure program consonance with the educational system of the country.

Moreover, a Specific Agreement has been signed between the Ministry of Agriculture, the Ministry of Education and IICA for the provision of advisory services on the Agricultural and Forest Sciences Educational Sub-system of Chile.

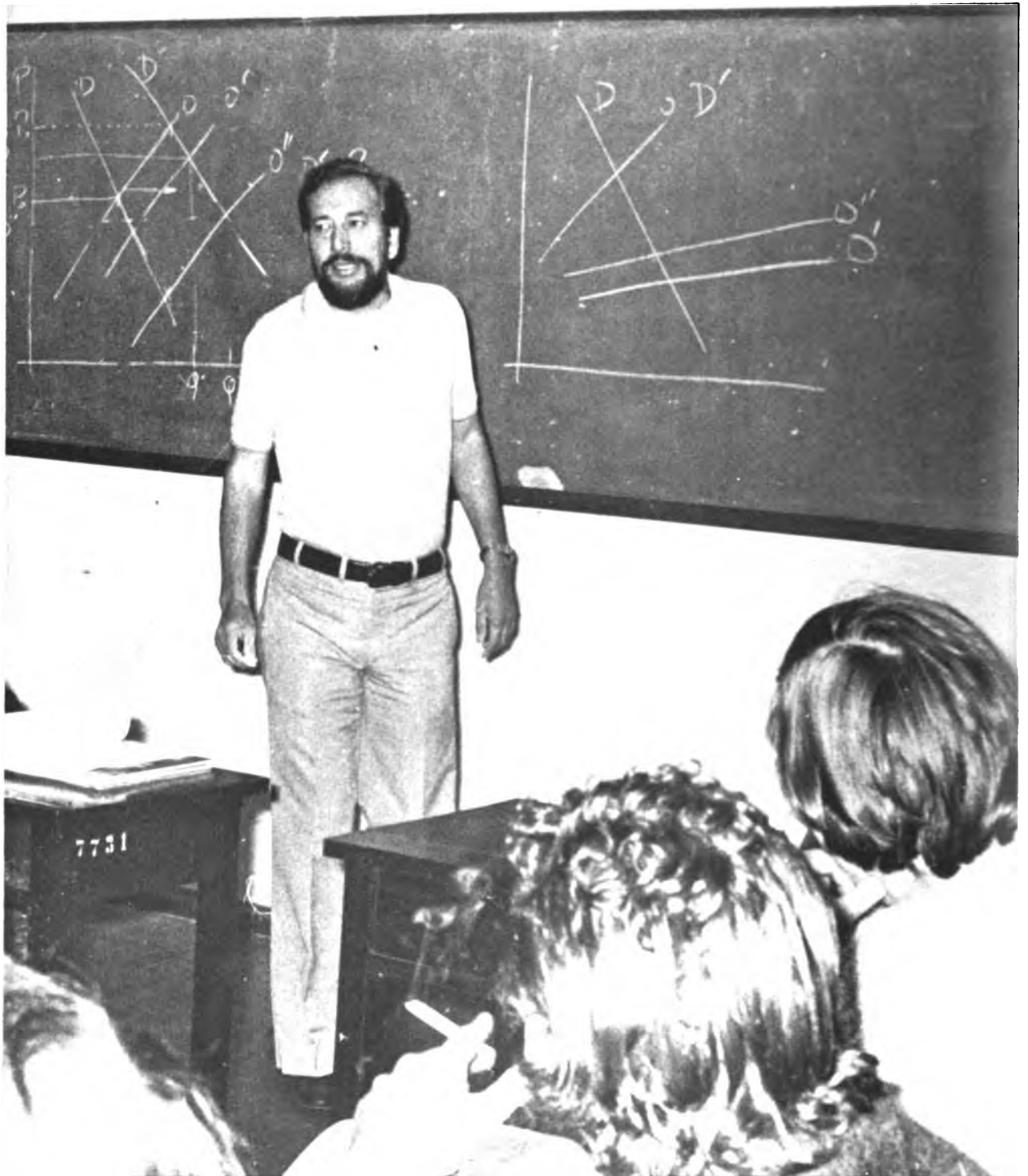
In Brazil, two postgraduate courses in Crop Production and Animal Production are about to get underway at the Faculty of Veterinary Medicine and Agronomy "Professor Antonio Ruete" at Jaboticabal, of the Paulist University "Julio de Mesquita Filho", with assistance from IICA and the OAS.

An interesting experiment in institution building in the field of agricultural education is being carried

out by IICA and the Ministry of Education and Culture of Brazil, through the Program to Up-grade Professors from Higher Education Institutions (PROCAPIES). Program responsibilities in the field of agricultural sciences were assigned to IICA by the Committee for up-grading University Personnel (CAPES) of the Ministry in charge of postgraduate education. The program involves up-grading courses for a total of 180 class hours given by teaching teams specifically hired for this purpose. Each course is in three stages: teaching methodology, basic technical content and research. Seven faculties received the first part of the course in July 1975 and another seven in December 1975 and January 1976. To better comprehend this effort, it must be remembered that Brazil has over 70 agricultural science courses with more than 16,000 student and 2,000 professors. The 14 up-grading courses for the 1975-76 period trained approximately 500 professors. It is obvious then, that this is only a start on the program, which will be underway for several years.

IICA Action in the Antilles Zone

In February 1976, IICA and IDB signed an agreement whereby the Institute assumes responsibility for providing technical cooperation to the Agricultural Education Coordination Committee of the Government of Haiti. This Committee, which was set up as per an agreement between IDB and the Government, was charged with preparing feasibility studies to be used to



IICA technicians have an extensive educational program, with activities in all Lines of Action.



Women play an increasingly important role in the Latin American educational process.

help obtain resources to finance an integrated rural education project.

This project, which will cost US\$ 165,000, is well underway, and should be completed by September 1976. IICA hired a highly qualified technical team to spend five months working on the project in Haiti. This team, of four specialists in agriculture and rural education, economics and extension, will be reinforced by short-term missions of specialists in education and related areas, as well as by a team of 12 consultants.

The team located in the country will be working under the direction of a human resources and education specialist.

In Jamaica a study has just been completed and will be published under the title of "Agricultural Education in Jamaica". The study establishes agricultural education projections and will serve to identify and define specific actions to help accelerate the educational development process of that country.



Chapter IV.

IICA AND
AGRICULTURAL RESEARCH

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Chapter IV

IICA AND AGRICULTURAL RESEARCH

INTRODUCTION

Over the past twenty years, the countries in Latin America have worked on establishing and improving their national agricultural research services. At present, there is a clearly defined awareness of the need to increase the efficient utilization of resources invested in these services, and others. The need to improve the national agricultural research programming, organization and administration systems, in line with the economic and social objectives of the national and regional development plans, is particularly important.

In recent years, international technical and financial cooperation agencies have been showing increased interest in supporting agricultural research together with the transfer of technology, at both world and regional levels. More recently, the basic importance of structuring complementary systems has been recognized, including all possible levels of cooperation, particularly the effective participation of national agricultural research and technology transfer services.

In Latin America, IICA has pioneered in fostering the regional cooperation of countries as concerns agricultural research. Moreover, institution building has been adopted as its basic strategy, with the aim of strengthening the national agricultural research agencies, fostering multinational and complementary actions amongst all other agencies working in technical and financial cooperation actions at the service of the countries.

In view of the current situation, and the short and medium term perspectives of agricultural research and technology transfer in Latin America, IICA has carried out an exhaustive analysis of work accomplished to date. As a result, the Institute has decided to work strenuously in this field during the next five years.

The basic characteristics of this action will be as follows: to provide competent and innovative leadership in strengthening national agricultural research and technology transfer agencies, particularly with respect to programming, organization, administration and implementation aspects; to concentrate on programming and carrying out activities on the more critical and priority aspects of agricultural research at national and regional levels; to increase and more efficiently utilize available human and financial resources at the service of the countries; and to cooperate on finding needed resources and assuring their efficient investment in research, in line with national economic and social development plans.

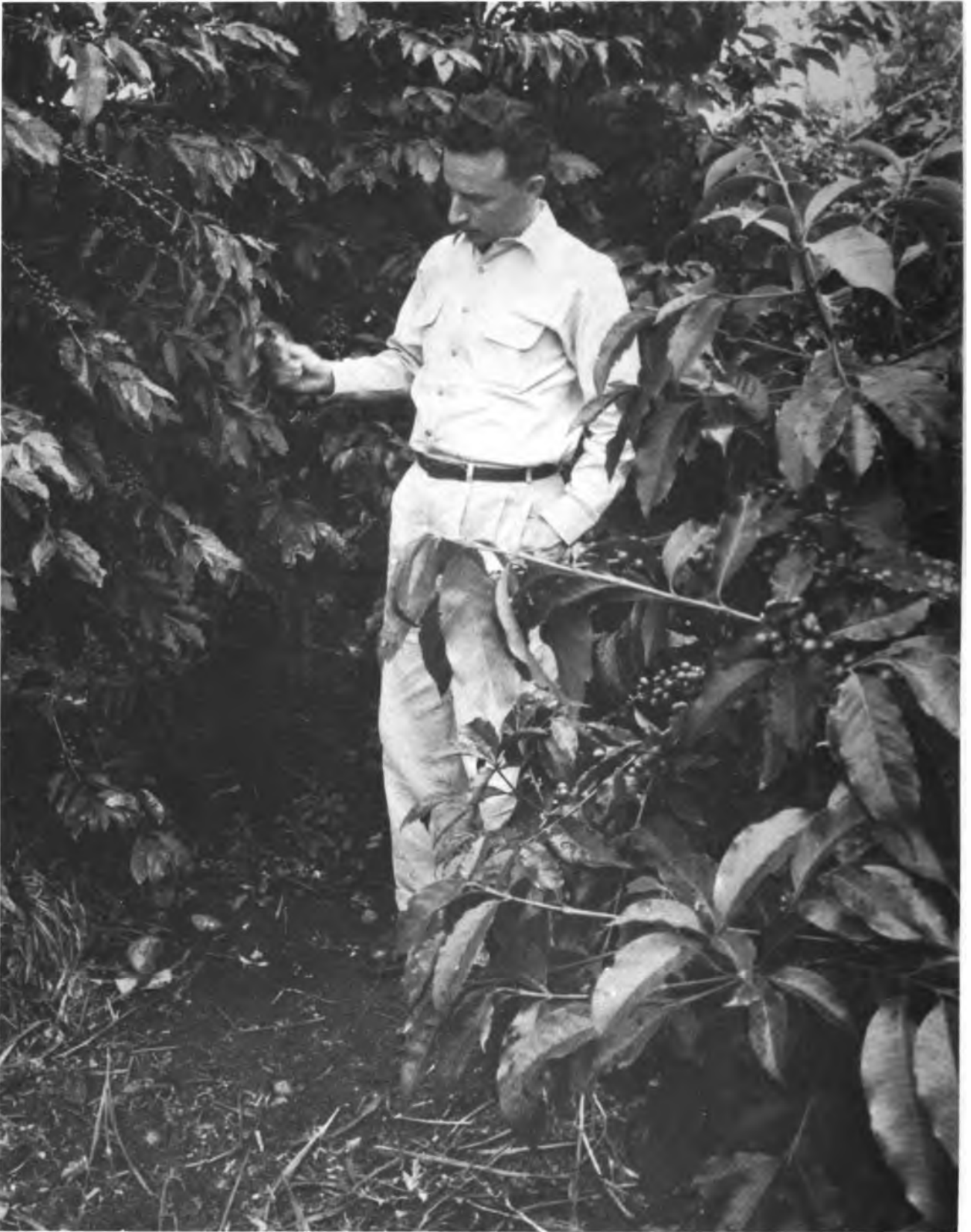
IICA Action in the Different Zones

Mention is made of only some of the more important accomplishments with respect to IICA's actions in agricultural research and the transfer of technology for the 1975-76 period.

An evaluation of Program III.N.1 (Agricultural Research in the Northern Zone) was conducted, in accordance with recommendations made in Resolution IICA/RAJD/Res.22(14/75) by the Board of Directors. A team of specialists was appointed by the Director General for this purpose. The team's preliminary report was presented to the Special Committee of the Board of Directors at the extraordinary meeting held in San Jose, Costa Rica, in October 1975. Moreover the Executive Offices has just finished an over-all analysis of the situation of Line III, with the aim of revitalizing its action throughout Latin America, in view of the basic importance to be assigned over the next few years to international cooperation in the field of agricultural research and the transfer of technology. The aim is to up-date and modernize the approach of Line III, in accordance with the present and future needs of national institutions, and their eventual regional and continental articulation within a coherent system of international cooperation.

The recommendations resulting from this study and from the preliminary report of the evaluation team have already been incorporated into the new orientation of Line III, as presented in the Proposed Program-Budget, which was submitted to the Board of Directors at the Annual Meeting. The actions in this field are being reenforced, thereby modifying the increased tendency over the past few years to reduce the allocation of resources to programs supporting the institutional strengthening of agricultural research in the Member States. Special attention is also being given to the regional coordination of agricultural research and the need to complement the Institute's actions with those of other international agencies and groups working in this field.

Particularly worthy of note are the accomplishments in the field of institutional strengthening in Brazil, Panama, Nicaragua, Bolivia and Venezuela, with respect to existing economic and social development plans, assisting in the development and implementation of innovative efforts to reorganize, modernize and integrate the national agricultural research sub-systems. Also worth mentioning are the efforts being made to continue similar support actions in the other countries of the Andean, Northern, Antilles and Southern Zones.



The Tropical Agricultural Research and Training Center (CATIE), has the largest coffee collection in the world, with over 1,100 entries at the service of the countries of America.



The bean plant is an extremely important legume in production systems research programs, as it is a basic food for the population of many Latin American regions.

Special mention should be made of the progress achieved in the Southern Zone on the regional coordination of agricultural research. Thanks to the sustained action of IICA and of the Regional Agricultural Research Advisory Committee comprised of the directors of national agricultural research institutions, the final version of the Cooperative Program for Agricultural Research in the Southern Zone was completed in October 1975. This Program is to be financed by IDB through a nonreimbursable technical cooperation grant of US\$ 3,500,000 over a three year period. IICA would be responsible for the coordination and administration of this Program. The basic objective is to attain increased agricultural production through research on food products of economic significance for the countries of the Southern Zone, including Argentina, Brazil, Bolivia, Chile, Paraguay and Uruguay.

Also of interest in the area of regional coordination of agricultural research is the progress achieved in the Central American Cooperative Program for the Production of Food Crops (PCCMCA), particularly with respect to the search for feasible mechanisms to finance and institutionalize the Program through the coordination of efforts between IICA, CATIE and ROCAP (USAID/Central America and Panama), on the implementation of complementary actions in the field of research and transfer of technology concerning production systems oriented specifically toward small farmers.

The work achieved in the area of strengthening socio-economic research activities and their integration

with those related to physical and biological research should also be mentioned, especially with respect to progress achieved in programming and evaluating agricultural research in nearly all of the countries, particularly those of the Andean Zone.

Emphasis is also given to the work accomplished on the integration of traditional agricultural research and production systems, an area in which IICA is clearly providing innovative leadership in Latin America, and in which future expanded action should be contemplated.

Agricultural research efforts in the countries of the Antilles Zone have been concentrated mostly in Jamaica and the Dominican Republic where specific programs are underway.

We feel that the basic lines to guide IICA's actions in the field of agricultural research, as announced five years ago, are still valid. Important results have been obtained, as indicated above. We are confident that progress and accomplishments achieved can be multiplied and consolidated in a short time, to the benefit of the Member States, with the new definition of objectives, policy and strategy to be adopted by IICA in this field and in the transfer of technology, in addition to the allocation of increased resources for work in these areas.

Additional information on progress achieved in the field of agricultural research, appears in the chapter on Special Programs.



Chapter V.
IICA AND
FOSTERING AGRICULTURAL PRODUCTION

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Chapter V

IICA AND FOSTERING AGRICULTURAL PRODUCTION

Introduction

The 1972 year book of the Food and Agriculture Organization of the United Nations on the world situation of food and agriculture indicates that agricultural production in Latin America for the periods between 1961-63 and 1969-71 increased at a rate of only 2.6 percent a year. Food production increases were equally modest during the same periods, and short-term expectations are not particularly favorable based on available provisional data. The seriousness of this situation is even more evident, if the population growth for the region of 2.9 percent a year, is taken into account.

There are many reasons for this situation. On the demand side, slow income increases and unequal distribution limit the number of people with effective purchasing capacity. On the supply side there are structural and other factors which reduce production elasticity, such as inadequate land tenure systems; a lack of State activities to promote increased supply; a lack of or wrongly applied agricultural credit systems; deficient technical assistance and extension services; and poor investment, price policy and incentive programs.

In accordance with the General Plan, IICA assists its Member States in their effort to attain sustained production increases, attempting to link the actions of the national agencies responsible for planning, with those involved in physical, biological and socio-economic research, the provision of inputs, extension, technical assistance, credit and marketing. Efforts are also made to cooperate with national agencies on orienting their actions so that the "campesino" receives a more adequate share of the profits from production increases, and a greater proportion of the public services provided to attain these increases. Particular attention is given to fostering and supporting national institutional programs oriented towards increasing employment opportunities in rural areas.

IICA Action in the Andean Zone

To help strengthen the agricultural marketing system in Bolivia, the Economics Office of the Ministry of Farming Affairs, the National Rice Enterprise, and the Ministry of Industry, Commerce and Tourism were selected as the key agencies. During the period covered by this report, policies to help the Ministry of Agriculture and Farming Affairs were revised and analyzed, together with the Coordinator of the Hemispheric Marketing Program (HAMP). IICA also assisted the National Rice Enterprise on the formulation and implementation of marketing programs, and

collaborated on a Seminar in Support of Productivity and Quality of Basic Products in Bolivia. A Study of the current situation of Agroindustry in Bolivia was completed, and presented to the Ministry of Industry, Commerce and Tourism.

Assistance was also provided the Forestry Development Center of Bolivia, through a project to strengthen the forest development and administration agencies of the country.

Important work in agricultural marketing was carried out in Colombia during this period. Cooperation was provided a marketing group on the organization and formulation of a national marketing plan, and on its institutionalization within the Agricultural Sectorial Planning Office (OPSA). Important activities of this project include the training of the OPSA work group and a Seminar on the National Marketing Plan, attended by the Minister of Agriculture and other high ranking authorities of the sector and from marketing agencies. The seminar served to create an awareness of existing requirements, particularly the need to coordinate the various agencies which comprise the institutional sub-system so as to ensure the feasibility and success of the National Marketing Plan.

All programmed activities to strengthen marketing agencies in Ecuador were completed. Priority was given to ENAC, the National Marketing Enterprise of Ecuador, through the provision of direct advisory services in cooperation with FAO, in complementary fields of action.

Moreover, a national agricultural marketing course was offered, with particular attention given to training national technicians. A complete diagnostic study of the operational and institutional aspects of agricultural marketing was completed. Advisory services were also provided the Values Committee of the National Financial Corporation and the Regional Program for the Development of the South of Ecuador.

In accordance with priority interest of the government, the project on strengthening the Colonization Office of Ecuador was reformulated, and cooperation was provided on animal husbandry—cattle as well as sheep—development projects in Ecuador.

During the past year, IICA has been working in Peru mostly on the design and formulation of a national marketing system, to be submitted for due legalization in the first place, before implementation at the national level. The Government of Peru has shown considerable interest in IICA's continuing with this work.



Preliminary studies for the establishment of Storage Centers are important in fostering agricultural production.

A new Forestry Law has been passed in Peru, and IICA is working on a project to strengthen the forestry development planning agencies, within the forestry development program. Efforts have been made to form working groups and to foster periodic technical meetings, with the aim of studying the forestry sub-sector and undertaking definite actions in this field.

The agroindustry project was completed and consolidated, after finishing the diagnostic study "Analysis of agroindustry in Peru" and presenting it to the pertinent authorities where it was well received.

In Venezuela, positive results have been obtained over the three years of operation of the marketing project. IICA efforts to improve the marketing infrastructure can be seen in the opening of a storage center, the formulation and implementation of a wholesale marketing project and in the organization of a marketing information service. Next year, more attention will be given to fostering the marketing of products from "campesino" organizations. Work of interest was also undertaken in agroindustry and in animal husbandry.

IICA Action in the Northern Zone

In Costa Rica, IICA has strongly supported the National Basic Grains Program, particularly on programming, research and marketing aspects. Considerable support has also been provided the integral rural development programs for the lower watersheds of the

Tempisque river, on aspects pertaining to the basic, preliminary studies and preparing the terms of reference for hiring a consultant firm; on legal aspects and in personnel training.

In El Salvador, IICA's programs to strengthen national agricultural development programs were carried out through CENTA, the main agricultural promotion agency of the country. Cooperation was provided on the reorganization of the center, finally defined at the beginning of 1976 on the basis of a new institutional organization scheme for the sector. At the same time, negotiations for an agreement were started, whereby IICA would be responsible for training CENTA personnel with funds available from a current USAID contract.

As a complement to the work on fostering production, the El Salvador Office was responsible for publishing the Pulses Information Bulletin which is distributed to all interested parties in the country, and others of the area. As in other years, cooperation was provided on the organization of the PCCMCA meetings (Cooperative Central American Program for Food Crop Improvement).

IICA also collaborated with the FOCCO program, in the field of agricultural financing, through the provision of advisory services on the preparation of a document on formulating and financing production projects, with special attention being given to the establishment of credit guidelines for small producers.



Our countries have an enormous capacity for the production of animal protein.

IICA technical cooperation on aspects pertaining to coffee rusts and other diseases and pests was implemented through the pertinent specialized agency, the Salvadorean Institute for Coffee Research (ISIC). A first activity was to offer a course to 35 ISIC technicians on presenting and practicing a series of new methodologies to facilitate communications with, and the transfer of technologies to, producers. The course was held in December 1975, and particular emphasis was given to the transfer of technology concerning coffee pests and diseases.

In Guatemala, IICA cooperated with the Agricultural Science and Technology Institute (ICTA) on training its technicians in technology transfer techniques, by means of a national level, nine-month course on production aspects. Assistance was also provided on strengthening the programming unit of ICTA through reciprocal technical cooperation activities. Another project has also been undertaken with ICTA, after the earthquake catastrophe, through the provision of improved basic grain seed for the 1976-77 agricultural year.

The IICA Office in Honduras has given top priority to fostering agricultural production, in accordance with the guidelines of the General Plan. With the aim of strengthening national agricultural development programs, work was undertaken in agricultural marketing, cooperative efforts against coffee rusts and other pests and diseases of economic importance, and on the conservation and management of land and waters. One specific project was oriented

towards up-grading technical personnel in agricultural mechanization aspects through in-service training programs, so as to ensure a multiplier effect in the national agricultural development programs. In the field of agricultural marketing, technical personnel was trained in aspects pertaining to agricultural assessment, agricultural credit, marketing management and the organization of the agricultural sector. In addition, a study was conducted on future training needs.

The IICA Office in Honduras has been particularly successful in two institution building efforts. In the first place, collaboration was provided the National Agricultural Bank and the Ministry of Natural Resources through the provision of in-service training opportunities and direct advisory services in management aspects and on the creation of the Honduras Marketing Institute, to be set up in 1977. The establishment of this institution opens up areas for future action in close cooperation with the institution itself and the international financing and foreign aid agencies, particularly the Canadian International Development Agency (CIDA).

As a result of the study of future training needs at the National Agricultural Bank, a training program for Bank personnel will probably be set up between the Bank and IICA, with possible financing by the Inter-American Development Bank (IDB).

Within this Line of Action, IICA activities in Mexico can be grouped into three main areas: regional coordination and production (Chontalpa Plan);



There are tremendous forest reserves in the American tropics and sub-tropics which must be cared for and maintained.

agricultural marketing; and the cooperative program on coffee rusts and other diseases.

Emphasis has been given to establishing a mechanism to institutionalize the coordination of participant agencies in the Chontalpa Plan, and to program the means to strengthen these same agencies, on the basis of an institutionalized coordination mechanism. Agencies involved are: the Chontalpa Plan Trust Fund, the National Coordinating Committee of the Agricultural Sector, the Agricultural Extension Office of the Secretariat of Agriculture, the National Forest Research Institute, the Tropical Agriculture College, the Agrarian Reform Secretariat, the Hydraulics Resources Secretariat and the Government of the State of Tabasco. Eighty-eight Mexican technicians have participated in these activities, and an adequate level of coordination of services was attained.

At the "ejido" or settlement level, credit technical assistance for agricultural production and administrative organization was also coordinated efficiently.

IICA has cooperated on the preparation of a proposal on the operative aspects of coordinating regional action, which has been submitted for consideration at the presidential level. As approval of the proposal is expected by the next administration, these operative aspects have been included into the 1976/77 work program.

In marketing, emphasis has been given to supporting the Agrarian Reform Secretariat Marketing Office in personnel training on marketing aspects.

IICA has also cooperated with this office on a field study to determine the current marketing problems confronting "ejido" producers. To this end, seven "ejido" unions in different parts of the country were studied. The internal obstacles within the Agrarian Reform Secretariat and other agricultural sectorial institutions were identified, as related to ejidos and ejido unions, which hinder an efficient marketing process. To remedy this situation, a program was formulated and a training course offered, to serve as a training model for functionaries of the Agrarian Reform Secretariat and other institutions of the public sector, for regional courses.

In Nicaragua, five projects were successfully carried out within Line of Action IV on: integral programs fostering production; advisory services provided the forages and animal production program; strengthening agricultural production marketing institutions and programs; cooperation on controlling coffee rust problems and strengthening the agencies responsible for the use and control of irrigation waters.

In Panama, advisory services were provided on the production program of the Ministry of Agricultural Development (MIDA).

IICA Action in the Southern Zone

In Argentina, IICA expanded the operative level of its projects in Line of Action IV, concerning the incorporation of lands, the management and conservation of land and waters, animal husbandry and agricultural credit. In marketing, IICA cooperated on price



Latin American "campesino" production levels must of necessity surpass current levels.



The use of agricultural machinery should be studied with care in countries with considerable manpower.

and agricultural product and input market studies, at the request of the Secretariat of Agriculture and Animal Husbandry, important aspects in the economy of the sector and which concern development possibilities for the rural sector.

IICA concentrated on the North-east Zone of Argentina, both on the incorporation of new lands and in marketing aspects. To this end, a branch office was opened in Resistencia. All arrangements have been completed for the signing of an agreement with the National Agricultural Council and the Colonization Institute of El Chaco, to support the branch office.

Most of the Institute's work in Chile concerned irrigation programs which are of great national importance. The work included courses for professionals, technicians and users, on the operation, conservation and development of irrigation systems. Intensive work was also carried out in developing the first District for the Conservation of Lands and Waters in Chile, (DIGUA), including an inventory of existing resources, dividing up the district into sectors, and the technical and administrative organization of the district and of the users. Crop planting plans and experimental plots are also a part of this work. In 1975-76, the National Irrigation Commission, governing body of this sub-system, was created. IICA has already initiated its technical support, and an agreement has been drawn up for the implementation of a project to improve the irrigation system in Chile, with Simon Bolivar funding (June 1976). Several publications of interest have appeared concerning irrigation, such as "Usuario" a periodic paper for the Digua District, one for the Pilot district for the Conservation and Management of Land and Waters and Region VII, and finally the Regulations for the Operation, Maintenance and Inspection of Dams.

Action in Paraguay centered on technical assistance training activities and strengthening the marketing institutions and agencies. Considerable progress was achieved.

Advisory services were provided the Programming and Agricultural Policy Office and the Agricultural Economic Research Office in Uruguay, on personnel training through in-service training activities to carry out studies on Productivity, Indicators, Technical Coefficients and Partial Budgets. Economic cooperation was also provided as in the case of the partial financing of the publication of these studies, contributing to the institutional strengthening of these important sectorial offices, and to obtaining increased information concerning factors which have a bearing on the low productivity of the animal husbandry and agricultural sector of Uruguay.

Progress in marketing has been somewhat limited, since technical assistance in this field depends on the IICA Marketing Specialist in Buenos Aires, Argentina. Nonetheless, help has been continued on the publication of a bulletin on Price and Marketing Information of the Agricultural Economics Research Office. Cooperation was also provided the Marketing Division on two marketing studies: "Marketing Cattle at Shows" and on "Production and Marketing of Corn." The



Agricultural production systems must be up-graded to ensure increased production and productivity.

in-service training activities used for this purpose served to strengthen the Division.

IICA Action in the Antilles Zone

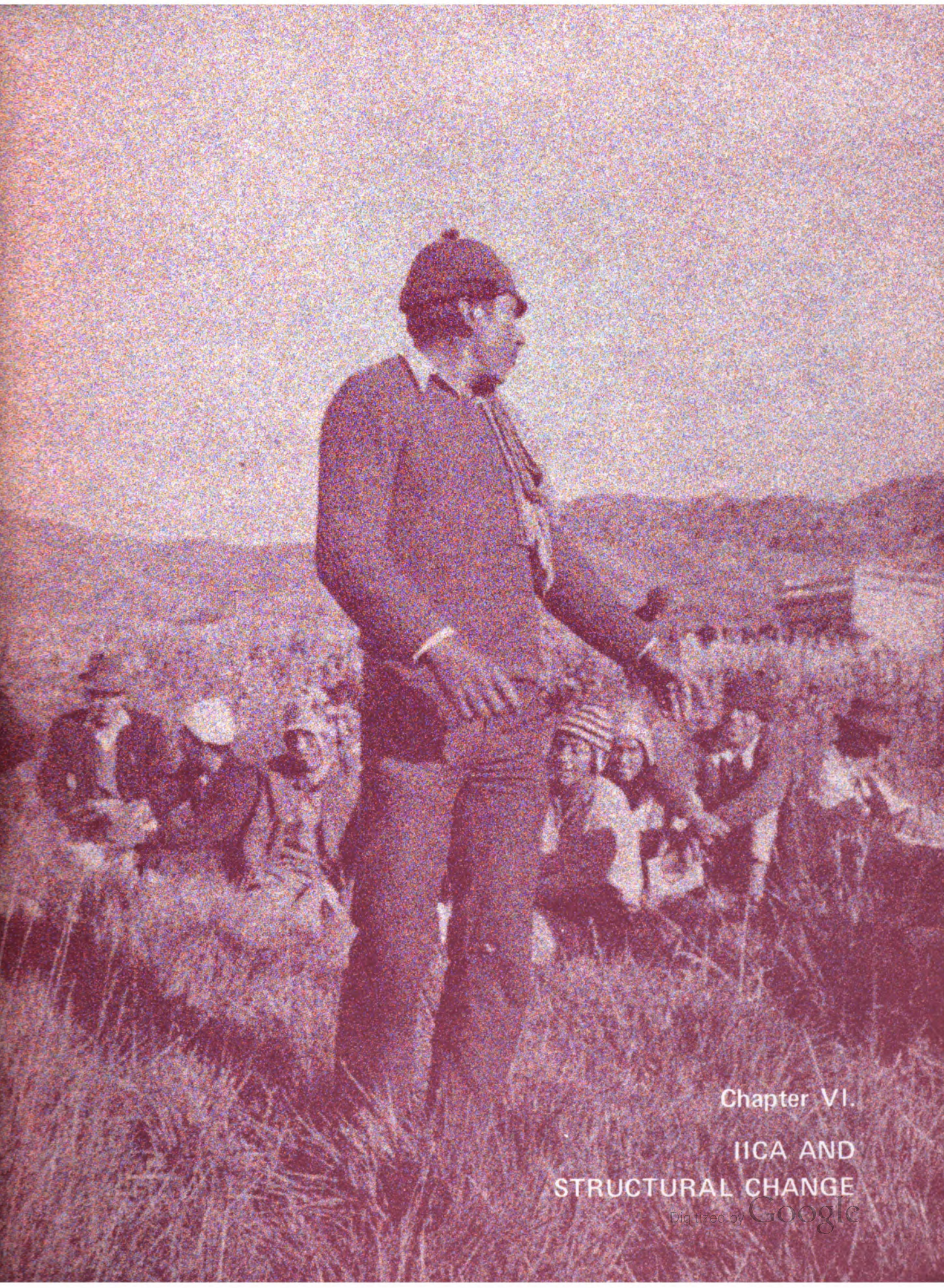
In the Antilles, IICA has worked on strengthening the agricultural extension agencies of the area, with the help of two specialists from the Regional Office for the Northern Zone. Close inter-action between Lines of Action II and IV are required in Jamaica, due to its agrarian structure, since the newly organized Ministry of Agriculture tends to integrate extension and promotion actions.

A study has been conducted of the current status of research activities and of selected programs fostering agricultural pursuits such as the one on Crop Production, another on Food Farms, and the Soil Conservation Unit. Staff members from the Tropical Agricultural Research and Training Center at Turrialba, Costa Rica (CATIE) have cooperated on these activities.

In Haiti, a second agreement was signed with the Governments of Haiti and Canada, to establish a national agricultural marketing service (SENACA). The project is for a total cost of US\$750,000, over a five-year period. This agreement is of interest, since the three subscribers to join forces are an international institution as administrator, and two American nations, one as financing agent, the other as receiver.

In August 1975, the first part of the project to make a diagnostic study of the internal marketing system of agricultural products was completed. Twenty reports have been published, covering all pertinent aspects of the matter.

In the Dominican Republic, a number of studies have been conducted and the results published, with the aim of strengthening and increasing aspects pertaining to the supply of food. Marketing activities included training functionaries of the State Secretariat of Agriculture (SEA), with funds from an IICA/SEA contract.



Chapter VI.

IICA AND
STRUCTURAL CHANGE

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Chapter VI

IICA AND STRUCTURAL CHANGE

Introduction

In the 60's, nearly all the countries in Latin America set up programs on the promotion and implementation of structural changes. Some progress has been made and the accumulated experience is useful. Although significant in some cases, however, the progress achieved has not been widespread enough to have any real beneficial impact on the rural population. The seriousness of this problem is rapidly getting worse and a large number of Member States are going to have to duplicate their efforts in this field.

By means of Resolution IICA/JD-634-7, the Board of Directors reiterated its determination to continue supporting efforts in this field. In April 1969, a plan was approved (Resolution IICA/JD-658-9) whereby the activities of Project 206 -Technical Cooperation Administration- were to be incorporated into the regular program of the Institute. Moreover, the General Plan, which was adopted in November 1970, assigns a preferential role to the work undertaken by IICA to strengthen the institutions responsible for the promotion and implementation of structural changes.

The programs undertaken within this Line of Action include a series of combined research and training efforts and direct advisory services. Reciprocal training activities, seminars, short courses and others have all been carried out, particularly with respect to project formulation, implementation and evaluation techniques.

Particularly worthy of continued priority attention are the cooperative efforts with governments in seeking and applying new land-granting and "campesino" organization systems, and in accelerating the consolidation of projects underway, all within the specific economic, social, political and cultural conditions of each country.

IICA Action in the Andean Zone

In Bolivia, most of the work in this area concerned the study and promotion of "campesino" organizations, and was oriented toward reinforcing the Oruro project. During the first stage, advisory services were provided the existing basic organizations in the area, and "campesino" training methods were researched.

In Colombia, a methodology was developed to study "campesino" community enterprises, 35 of which were evaluated together with INCORA personnel on an in-service training basis. It is expected that the

30 INCORA functionaries to receive this training will be able to finish the job on their own. As a result of this work, and as a complement to it, all the preliminary work on designing a methodology for the permanent evaluation of "campesino" community enterprises was completed. Four main factors which limit the development of these enterprises in Colombia were identified, as follows: out-of-date and scarcity of adequate legislation; lack of currently applicable norms and procedures; lack of adequately trained personnel and "campesinos"; lack of planning and poor implementation of plans in the pre-settlement, temporary settlement and definitive settlement periods of the "campesinos".

In Ecuador, cooperative efforts with the Ecuadorian Institute of Agrarian Reform and Colonization (IERAC) were continued, on agrarian reform matters. A course was given on the formulation and evaluation of agricultural projects, thought to be an important aspect of programming for IERAC.

Two other activities undertaken and oriented mainly towards IERAC concerned the promotion of associative forms of production in Ecuador. Technical personnel of IERAC were also trained for the Cayambe Project.

In Peru, IICA activities have had to do mainly with reciprocal technical cooperation actions. Thus, a number of visiting technicians from other Latin American countries have been received and visits organized for them to observe the Peruvian agrarian process, particularly agrarian reform and "campesino" organization aspects.

In accordance with priorities indicated in the agreement between IICA and the National Agrarian Institute of Venezuela, emphasis has been given to assisting on the establishment of a global agrarian reform planning system. Progress has been made on establishing a basic planning scheme, and guidelines have been set up for the use of different planning instruments, in close collaboration with the members of the National Agrarian Institute (IAN). These instruments will be submitted for approval by the Board of Directors of IAN and pertinent modifications will be made as needed, before proceeding with their implementation.

The Cadastral Specialist has continued to provide advisory services on cadastral surveying and assessment, and personnel from the units responsible for this work have been trained. To this end, a manual on general farm assessment procedures has been published.



The rural man of the highlands. . .

Attention has also been given to training technical personnel from IAN and from the Agricultural Development Office of the Ministry of Agriculture and Livestock, on fostering and counselling "campesino" organizations. Progress has also been made on the preliminary preparations for training IAN personnel on the formulation and evaluation of agricultural development projects.

IICA Action in the Northern Zone

Specific mention is made of the Training and Studies Program on Agrarian Reform and Rural Development of the Central American Isthmus (PRACA), which has actions underway in each and every country of the area.

PRACA has undertaken a large number of activities during the fiscal period covered by this report. Perhaps the more outstanding worthy of mention are the series of conferences for legislative personnel in Costa Rica, and the Honduran Agrarian Week activities, sponsored by the National Agrarian Institute of Honduras (INA). A number of seminars were also given: one for the Professional Employees Union of the Ministry of Agriculture and Animal Husbandry of Costa Rica; another one for the Officers of the Armed Forces of Honduras; a third one for the staff of the Agrarian Institute of Nicaragua on rural administration; and several other less important ones.

A number of courses were also given or co-sponsored: one on "Campesino" Organization for the staff members of the Agrarian Institute of Nicaragua; another one on Mass Means of Communications for Promoters of INA, Honduras; a third on Agricultural Communications for members of the Salvadorean Institute of Agrarian Transformation; and a fourth one on the Training of Social Coordinators from the Social Development Office of Panama.

Advisory services were also provided on the following different matters: El Salvador, on the creation of a training center; INTA of Guatemala on strengthening its planning unit; ITCO of Costa Rica and INA of Honduras on the reorganization of their administrative processes; CONAPLAN of El Salvador on the formulation of economic and social criteria for preparing agrarian transformation projects; the National Agrarian Reform and Social Development Offices of the Ministry of Agricultural Development of Panama, on agrarian legislation, rural cadastral surveys and others.

Of several studies conducted in the Northern Zone, the following are worth stressing: the Socio-economic Study of the Agricultural Colonies of IAN, Nicaragua, a similar one in Costa Rica, as well as the Experimental Laboratory and Seminar on "Campesino" Organization, which was held in Honduras.

Reciprocal technical cooperation activities included a visit to the Chontalpa Plan of Mexico; the visit of several Central American technicians to the agrarian tribunals of Peru to observe the agrarian reform processes of Peru and also of Panama; visits were also organized to observe the "Campesino" Program of the National Productivity Center of Mexico and the National Agrarian Reform Training and Research Center (CENCIRA) of Peru.

As to publications, PRACA financed a 5000 number edition of the brochure "Conceptual Framework of Agrarian Reform in Latin America"; some of the costs of a thesis written in Costa Rica on "An Analysis of the Community Enterprise "El Silencio"; and the publication of the Proceedings of the IX Meeting of Agrarian Reform Executives of the Central American Isthmus, and of other meetings.

A non-reimbursable Technical Assistance Project Agreement is being processed by IDB/IICA/PRACA in support of "Campesino" Community Enterprises of the Central America Isthmus. The draft agreement was presented to the President of IDB by the Director General of IICA in October 1975. The three-year project is for a total amount of US\$801,000, and contemplates the employment of five experts. The project is being supported by Costa Rica, Guatemala, El Salvador, Honduras and Panama through the respective Ministers of Agriculture.

Of the other actions within IICA's regular working program, perhaps the most successful were the "campesino" organization projects in Mexico.



...of the tropical regions...



...and of the Latin American pampas...



...and his family...



...are the ultimate goal of structural change efforts.

IICA Action in the Southern Zone

Argentina's program in this Line of Action was greatly strengthened when IICA's national office took on the leadership of a study of the means to make the most of the advantages of scale currently existing in the agricultural sector of the country. The study was back-stopped by consultations on the functioning of

associative forms in extra-continental countries and has the marked support of, and has raised great expectations amongst the national technical levels and the different producer groups.

In Chile, work has continued on an uninterrupted basis since 1965, on training programs for functionaries, executives, professionals and technicians of the reformed sector. IICA has contributed significantly to the formulation of Area Plans, with CORA, (Agrarian Reform Corporation) which encompasses an area of over two million hectares. Collaboration has also been provided with respect to the land-granting process, on 52 new projects and 17 up-dated ones. This work also included several research studies.

IICA also accomplished some important work in Brazil on the INCRA (National Colonization and Agrarian Reform Institute) projects, mostly concerning actions related to the colonization process.

IICA cooperation in carrying out the situation diagnostic studies in the Itapua, Cordillera and Alto Paraná zones of Paraguay, has facilitated the training of a large number of national technicians in these matters, while complying with the terms of an agreement with the Ministry of Agriculture, the Rural Welfare Institute, and others. In colonization matters, the Rural Welfare Institute has granted land to over 100,000 "campesino" families in colonization areas, and IICA has undertaken a settlement project with armed forces conscripts, as explained in greater detail in the chapter on the Simon Bolivar Fund for Rural Development.

In Uruguay, IICA has been cooperating with the National Colonization Institute on matters pertaining to land tenure. IICA's support to this institution includes training programs for the technical personnel, particularly in aspects pertaining to economic studies to help develop "Production Units" which vary in size from small agricultural plots to large commercial enterprises. The Colonization Institute has granted land to 2,200 families, and has expropriated around 600,000 hectares for future use. IICA's permanent support is therefore of importance to this institution.

IICA Action in the Antilles Zone

Although no work was undertaken within this Line of Action in Jamaica, much was done in Haiti and the Dominican Republic, through training programs and "campesino" community enterprises studies in support of the case studies undertaken in collaboration with FAO. A course was given on "campesino" organization in Santo Domingo, and support provided on the study of results of the collective "campesino" rice settlements of the Dominican Agrarian Institute. IICA also collaborated on finishing up the studies of traditional "campesino" organization models in Haiti.



Chapter VII

IICA AND AGRICULTURAL POLICY

Introduction

In the past, IICA has concentrated its institutional building efforts almost exclusively on the technical aspects of the agencies involved. However, experience has indicated that these efforts should be complemented with parallel endeavors concerning the administrative aspects of each individual institution and the system as a whole, of which they form a part. Thus IICA has felt the need to augment the institutional administration component of its programs over the past few years.

National agencies serve as a country's action instruments to define, implement and evaluate development policies. Hence, the institutional system of the agricultural sector should be permanently up-dated in accordance with available resources, and in line with national policies, needs and conditions.

Thus, actions oriented towards improving the institutional systems of a country might well include modifying existing agencies, substituting some, or creating others. Coordination mechanisms existing within the system may also need revising, and adjustments made as to the priorities and attributes of each component agency.

One aspect deserving IICA attention within this Line of Action, refers to the functioning and development of adequate national agricultural planning systems. Although agencies with responsibilities in this field have been established in all the countries, an adequate frame of reference would seem to be missing in some, as needed to establish work plans and to combine the efforts of different agencies within the sector.

IICA efforts in Line of Action V are also reported on in this chapter, concerning multinational integration endeavors. However, this year it has been decided to include information in the field of institutional diagnostic studies of Line of Action I, in the chapter on Information and Documentation, since the information acquired from these studies is a basic element for IICA to develop its other Lines of Action, in accordance with their new structuring.

IICA Action in the Andean Zone

In institutional organization and management, a course was given in Bolivia on "The Management and Supervision of the Service Agencies of the Ministry of Farming Affairs and Agriculture (MACA)". High-ranking regional authorities of MACA from La Paz,

Oruro, Potosí and Cochabamba attended the course, with favorable results. Another similar course has been requested, for the other regions of the country.

IICA provided advisory services on the formulation of agricultural projects for departmental development corporations, within the project to strengthen the regional agricultural planning agencies of Bolivia.

Actions of previous years in support of animal husbandry activities in Colombia, were reoriented this year to provide support on organizing the animal husbandry planning systems and on the identification and solution of pertinent problems. As a result, a central planning core has been organized, comprised of the ten most important agencies of the country.

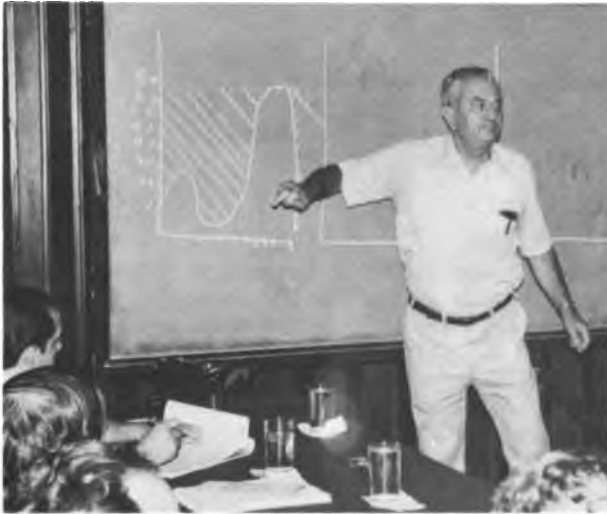
Experience acquired on departmental and regional planning, and sectorial-level national planning, has added to the available information and will serve as the basis for programming future actions in support of sectorial planning.

The National Agricultural Training Program of Colombia (PNCA) carried out 22 activities throughout the year. Worthy of mention are the courses on Teaching Methodology and Communications for functionaries of the Agricultural Bank, and on Extension for the Coffee Growers Federation. Support was continued in Marketing for the OPSA planning group, and courses were given on "Campesino" Community Enterprises and on the Preparation and Evaluation of Agricultural Projects.

In Ecuador, work was continued on the organization of a working group which prepared a proposal for administrative reorganization, within the area of improving and developing the administrative organization and management aspects of institutions in the public agricultural sector.

The planning system capacity of Peru has been increased by means of a course on the Preparation and Evaluation of Agricultural Projects, which was well received by the Ministries of Food and Agriculture. In addition, work has been continued on training agricultural research managerial personnel, and the Directors of the Academic Programs of the Technical Universities of Piura and Puno. Moreover, it has been possible to include "Institutional Organization and Management for Development Purposes" into the study programs of these universities.

In Venezuela, the Agricultural Sectorial Planning Office of the Ministry of Agriculture and Livestock,



Dr. Raanan Weitz, Head of the Settlements Studies Center in Israel, presents his paper at the Seminar on Integral Regional Rural Development, held in Costa Rica at the end of 1975.

formulated its Operative Plan for 1976, which defines the specific objectives, goals and policy guidelines for the sector. Within its institution building efforts as pertaining to sectorial planning, IICA has cooperated through reciprocal training and direct advisory services on the formulation of the annual operative plans, on their organization within the V Plan of the Nation, and on the evaluation of results, to be studied before formulating the plan for 1977. IICA has also participated at a regional level, on the formulation of methodological guidelines for the formulation of an Agricultural Production Program for the Zuliana Region.

As to Line V, the multinational project concerning research results obtained from oil-producing plants in Bolivia, Colombia, Ecuador, Peru and Venezuela, Cartagena Agreement countries, was successfully completed.

IICA Action in the Northern Zone

Since 1974, Costa Rica has wanted to create a Sectorial Planning System, and IICA has participated in several actions oriented towards this goal, finally achieved when the Agricultural Sectorial Planning System was established by Presidential Decree. As a result, the Agricultural Sectorial Planning Office (OPSA), the National Agricultural Council (CNP-restructured) and the Technical Committee on Agricultural Sectorial Planning (COTEPSA) finally got underway. COTEPSA is comprised of the Planning Unit Heads of all sectorial agencies. In addition, a project has been prepared and presented for a National Agricultural Development Plan and a study has been carried out of the ITCO planning system (Lands and Colonization Institute).

The Planning Ministry of El Salvador requested technical advisory services in the field of institutional

planning, for a national inter-disciplinary team to formulate a document on "Recommendations for the formulation of an Agroindustrial Plan for El Salvador". This document establishes the bases and frame of reference for national policies in this field, to be included into the National Development Plan 1978-1982, being prepared. The document includes a general diagnostic study, the definition of and criteria for agroindustrial policies, development policies, instruments and institutional operations, and general strategies for the formulation and evaluation of projects.

The cooperation provided on this matter was at a high decision-making level, and it was therefore possible to propose a planning methodology in one particular aspect in which the country did not have much experience. Thus, new criteria on the establishment of agroindustrial policies were introduced, ensuring relationship with the productive sector as well as being in line with the industrial development policy as defined in the National Plan.

As the Government is particularly interested in this aspect, there is the possibility of establishing a specific project to be financed by the Simon Bolivar Fund.

In Guatemala, work was continued on the Permanent IICA/INTA Consultant Committee, as a collaboration to the National Council Secretariat for Economic Planning.

Because of the earthquake of February 4, 1976, the IICA Office in Guatemala, together with national authorities, principally from the CONAPLAN Secretariat, (National Planning Council) formulated two emergency projects, taking national priorities into account. To this end, extra financing was obtained for these projects from the Board of Directors. These projects have served to increase the positive institutional relationships between IICA and national authorities.

In Honduras, an institutional planning, implementation and evaluation process exists concerning agricultural sectorial policies which should be studied in detail if IICA's actions in that country are to have any real institution building impact. IICA's actions so far, have been mainly in the administration of agricultural policy, concentrating specifically on advisory services and studies on agricultural sectorial planning, and institutional administration in the agricultural sector.

As concerns agricultural planning systems, IICA's actions in the 1975-76 period were oriented towards the development of planning methodologies suited to the social and economic needs of the country, and has collaborated on studies with respect to program and project formulation. Authorities from the National Resources Secretariat and others, have indicated their appreciation of IICA's efforts in this field. Moreover, a technical cooperative agreement (Coco) has been signed



IICA and IDB cooperate closely on Courses for the Preparation and Evaluation of Agricultural Projects.

between the Agricultural Sectoral Coordination Committee and IICA, to further cooperative endeavors in this field, which have been positive to date. IICA has also entered on a letter of agreement (renewable) with the Ministry of Resources on aspects pertaining to the institutional strengthening of agencies in the public agricultural sector.

A PEPA course (Preparation and Evaluation of Agricultural Development Projects) was also given during this past fiscal year to twenty-one technicians. Two of the course projects are feasible for immediate implementation. In addition, the project offices of the Secretariat of Natural Resources, the National Agrarian Institute and the National Agricultural Bank have been consolidated and up-graded through the training provided in this course.

It is becoming increasingly evident that management problems are one of the limiting factors in the rural development process, and the institutions of the public agricultural sector of Honduras are no exception. Hence, the activities of IICA in institutional administration have achieved positive results in improving the operational aspects of the public institutions in the agricultural sector, through direct advisory and cooperative services provide the agencies concerned. Thus, the regional operations of the Secretariat of Natural Resources were consolidated as to their planning system. Advisory services were also provided the National Agrarian Institute on administrative organization.

In Mexico, IICA activities have been oriented towards strengthening the state planning agencies, as part of the sectorial planning units, with the aim of

integrating them into and developing a functional coordination mechanism between the Secretariat of Agriculture (SAG) and the National Coordinator Committee for the Agricultural Sector, (CONACOSA) at a centralized and state levels (COCOSAE-State Coordinator Commissions for the Agricultural Sector). The fundamental objective of strengthening the regional planning system through COCOSAE and consolidating the coordination mechanisms between CONACOSA and SAG was therefore attained with positive results.

Actions undertaken were based on a two-way strategy: on the one hand continuous cooperation and advisory services were provided to ensure a dynamic inter-institutional coordination process, and on the other, training activities were implemented for the regional planning nuclei.

The multiplier effect or impact on the work with CONACOSA is far-reaching, since it is the sectorial agency for agricultural policy in Mexico, and is comprised of 16 dependencies. As to the training program, successful work was accomplished through the consolidation of 20 COCOSAE planning units, and the working methodology and bases have been established for regional planning procedures. Throughout, 66 SAG functionaries, responsible for the 20 COCOSAE units, received training thanks to IICA's efforts in this project.

Advisory services were also provided a technical working group, created by the Agricultural Office of SAG, together with CONACOSA, on the definition of problem areas in producer organization. Assistance has also been given to the Mexican Foreign Trade Institute



The Minister of Agriculture of Jamaica, Hon. Keble Munn, analyzes the agricultural policy of his country with the Director General of IICA.

on matters pertaining to production problems, particularly the marketing of specific agricultural products which could affect the internal planning process of the sector.

From 1974 through 1976, IICA has worked closely with the government of Nicaragua on establishing, institutionalizing and consolidating the sectorial planning system, including the successful transition of the Sectorial Analysis Unit into the Agricultural Sectorial Planning Office of the Ministry of Agriculture and Animal Husbandry.

Agricultural planning has been increasingly supported over the past few years by government authorities in Panama, as an integral part of their efforts to foster improved agricultural production, through a planned agricultural development policy. This can be seen by the increased participation of the public sector in attaining national agricultural policy objectives through widespread programs and projects of national impact.

A Simon Bolivar Fund Project was approved in May 1976, as a result of Panama's interest in seeking positive solutions to the current problem of a lack of coordination between the 500 or so associative enterprises and the Sectorial Planning Office. The project is

oriented towards programming exploitation plans for the "campesino" enterprises, in line with MIDA plans for the agricultural sector as a whole.

Within Line of Action V, efforts are underway to reactivate previously successful working relationships with the Secretariat of Central American Economic Integration (SIECA), of importance to the countries of the Isthmus.

IICA Action in the Southern Zone

A training course was given in El Chaco, Argentina, within Line of Action VII. Regional development actions included general diagnostic studies. Agreement has been reached as to several areas in which IICA can cooperate. Amongst these are aspects pertaining to increased production and productivity and other projects in general, within Lines IV and VII. Agricultural planning projects are of secondary importance in the country, however, INTA (National Technical Agricultural Institute) has indicated its interest in an expanded program on institutional management aspects, including administration and agricultural research problems.

In Brazil, assistance was provided the Planning and Budget Undersecretariat (SUPLAN) of the Ministry



The three-way IICA/CIDA/Haiti agreement is signed, to create a National Agricultural Marketing Service in Haiti. From left to right: His Excellency Emmanuel Gross, Minister of Finance and Economic Affairs of Haiti; Mr. Wilfrid Agnes, Chargé d'Affaires of Canada; His Excellency Rémillot Léveillée, Minister of Agriculture of Haiti and Dr. Jorge M. Montoya, IICA Office Director in Haiti.

of Agriculture, on defining an agricultural planning model and on revising the farming and land policies in the North-east of Brazil. Help was also given on the coordination of the Integrated Investment Program for the Agricultural Sector of Rio Grande do Sul; on the formulation of a rural credit project for Pôrto Alegre and on the analysis of results from the socio-economic technical diagnostic study of the cacao-producing region of Bahia, amongst other activities carried out throughout the country.

Support was continued in Paraguay on the organization and the consolidation of the Technical Cabinet of the Ministry of Agriculture, (Sectorial Planning). A project to reenforce the sectorial planning process was formulated, to be financed by USAID/Paraguay, and technical personnel were trained through in-service training and technical exchange services.

IICA has also provided support in technical training in the preparation and evaluation of agricultural projects in cooperation with related national agencies, with the aim of creating and institutionalizing specialized units in this field. To this end, a PEPA course was also given.

In Uruguay, advisory services were provided on the development of agricultural policy simulation

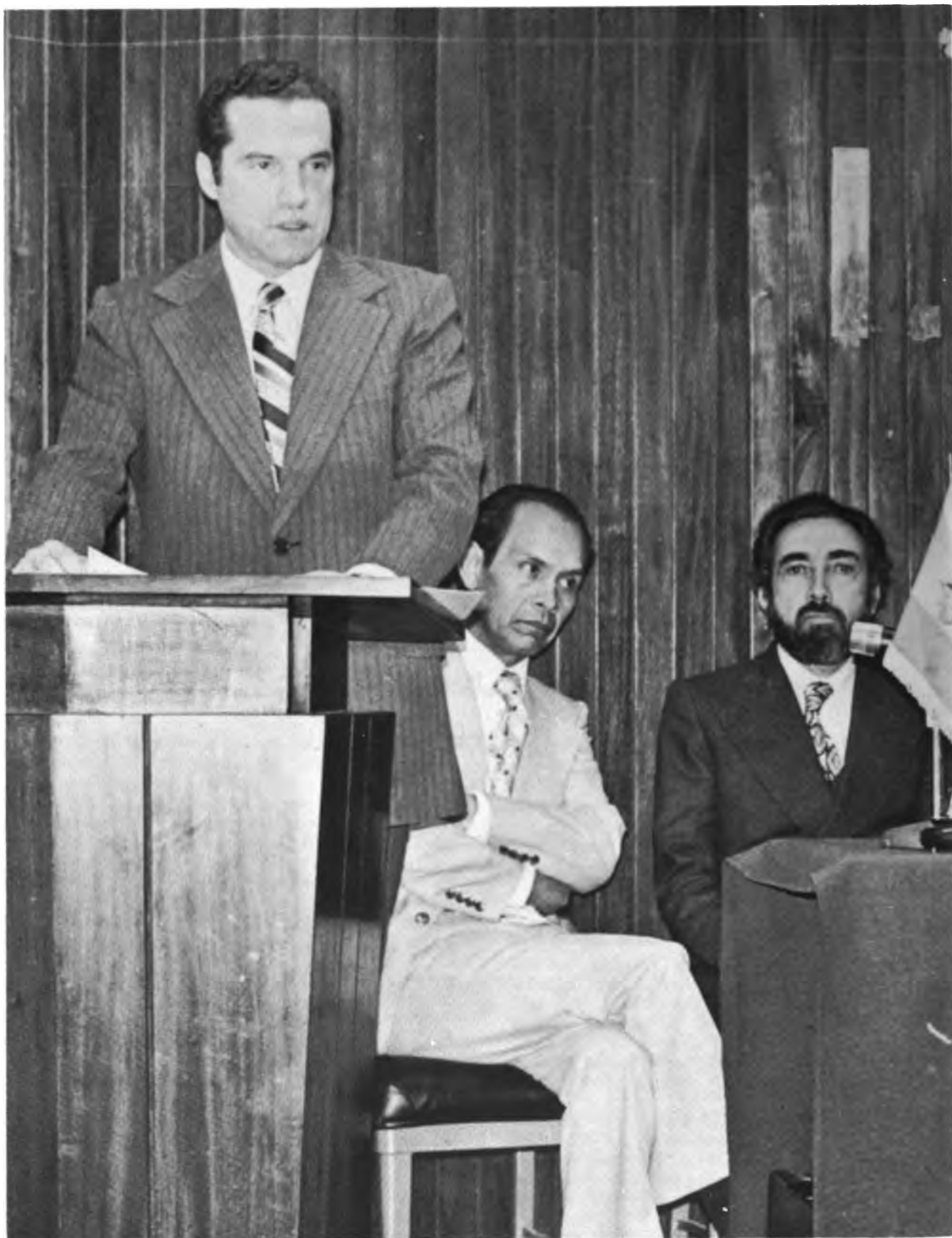
models, for the Agricultural Economics Office, and in programming techniques. The purpose of these services was to strengthen the agricultural planning sub-system, since the development of agricultural policy models requires the coordinated inter-institutional action of all agencies within the institutional system of the sector.

Technical personnel from the Economics Office are also being trained, through IICA supervised in-service training activities, and by technical meetings held under the Agricultural Policy Administration project.

IICA Action in the Antilles Zone

A course on the preparation and evaluation of agricultural projects is being given in Jamaica to help train personnel and thereby strengthen the sectorial planning system.

The sectorial planning system of Haiti has been consolidated with the financial support of the government of Canada which provided IICA with US\$280,000 to increase its technical cooperation activities in this area in Haiti. Actions underway are a part of a three-way agreement between Haiti, CIDA (Canadian International Development Agency) and IICA, whereby IICA assumed the responsibility to implement the project designed to strengthen the sectorial planning



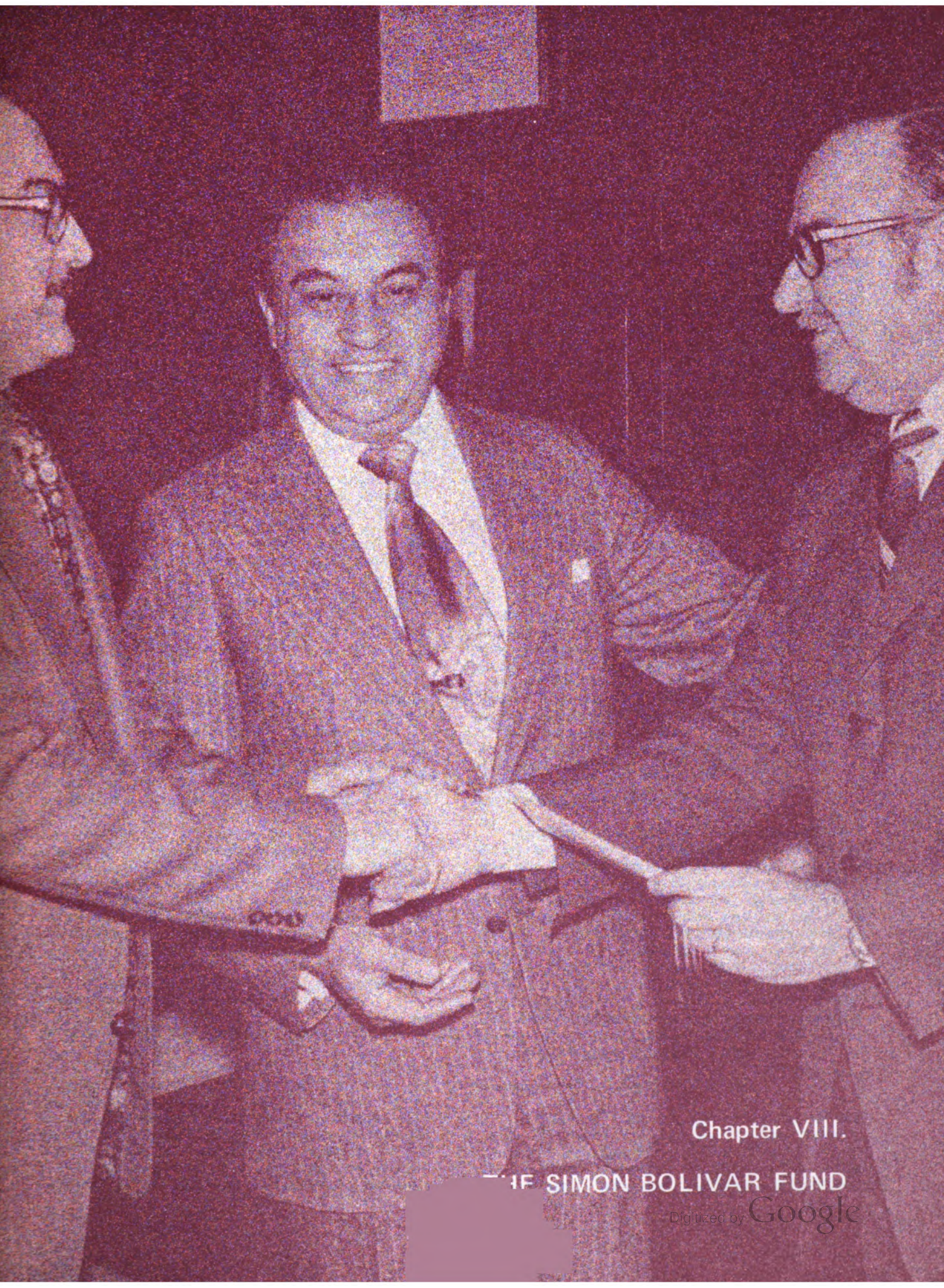
His Excellency the Minister of Farming Affairs and Agriculture of Bolivia, Lt.Col. Alberto Natusch, addresses PEPA Course participants in Bolivia.



The Minister of Agriculture of Paraguay, Mr. Hernando Bertoni, inaugurates an Agricultural Projects course in his country.

system, within the general project of institution building for the Programming Unit of the Haitian Ministry of Agriculture. This project has permitted the testing of a specific institution building model in Haiti. The number of bilateral and multinational cooperation agencies adopting the model is indicative of its success.

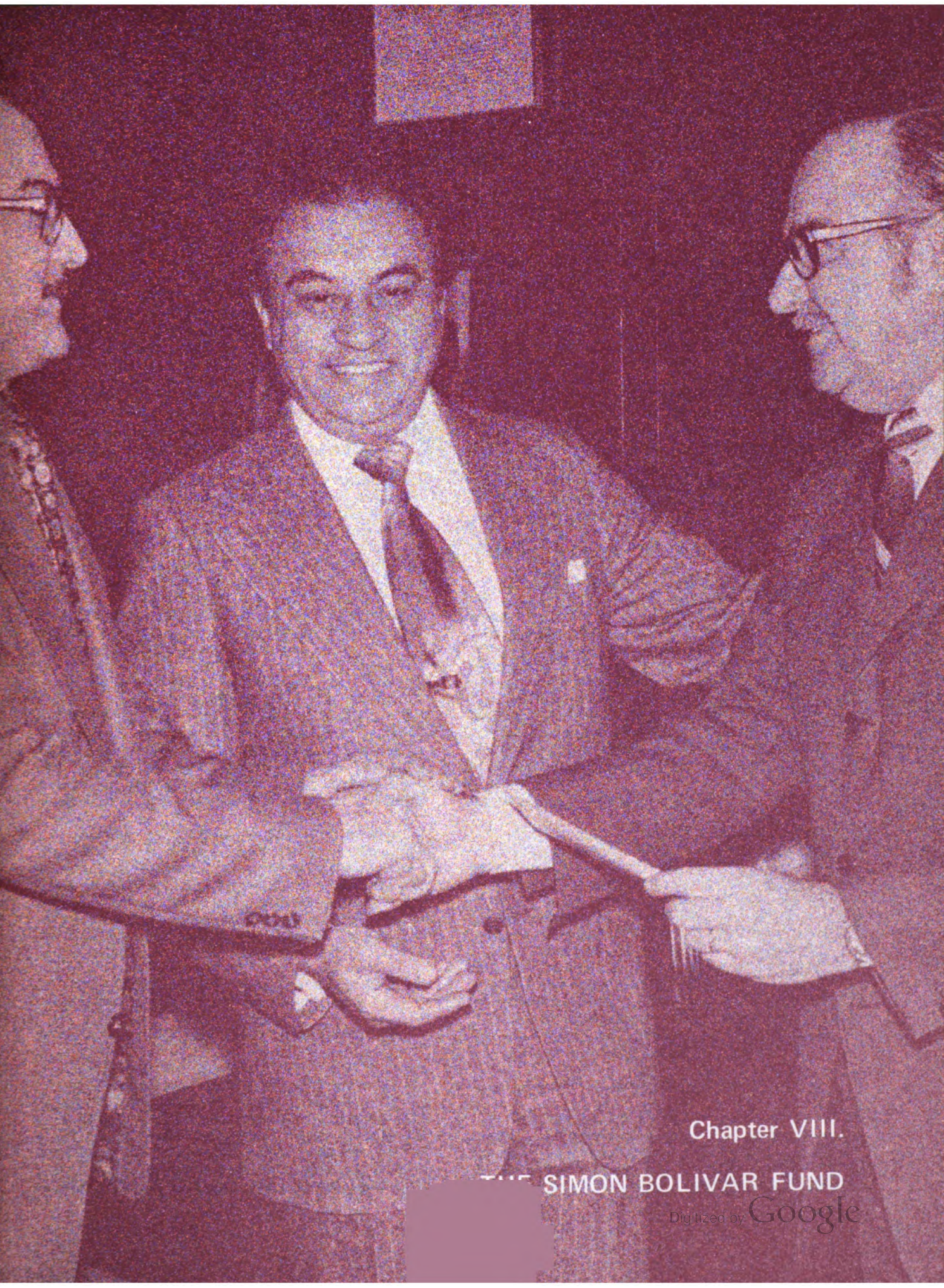
In the Dominican Republic, IICA has been supporting the State Secretariat of Agriculture in agricultural sectorial planning aspects, and it is expected that these activities will be stepped up when a specialist in this field is assigned to the IICA Office in that country.



Chapter VIII.

THE SIMON BOLIVAR FUND

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Chapter VIII.

THE SIMON BOLIVAR FUND

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Chapter VIII

THE SIMON BOLIVAR FUND

Introduction

On March 23, 1976, in Washington, D.C., USA, Dr. José María Machín, Ambassador of Venezuela to the Organization of American States, (OAS) presented Mr. Enrique Blair, Director of Institutional Relations of IICA, with the first contribution of two million dollars from the Government of Venezuela to the Simon Bolivar Fund for the rural development of Latin America and the Caribbean. Dr. Jorge Zelaya Coronado, Assistant Secretary General of the OAS, was present during this brief but important ceremony.

In April 1976, IICA got the first stage of the Simon Bolivar Fund programs and projects underway, on the basis of this first contribution of the ten million dollars, or fifty percent of the Fund which was created on the initiative of His Excellency the President of Venezuela, Mr. Carlos Andrés Pérez. The remaining fifty percent of the Fund will be comprised of voluntary contributions from the Member States of IICA. To date, contributions have also been made by Honduras and Panama, and there are offers from other governments of the American nations.

The report on the Work Plan and Proposed Budget for the Simon Bolivar Fund was prepared at the Executive Offices of IICA and submitted for due consideration to the Fifteenth Annual Meeting of the Board of Directors of IICA which met in Washington, D.C. in May. The report specifies the areas of priority selected in which work will be carried out within the framework of IICA's General Plan and Lines of Action.

Projects to be financed in the first stage of operations of the Fund, as indicated by the Executive Offices of IICA, have been prepared jointly by functionaries from national institutions and Institute technicians, meeting previously established requirements which guarantee their priority and content, to be reconfirmed by means of national counterpart contributions.

Simon Bolivar Fund programs and projects are listed below by field of action and by country.

Conservation and Management of Land and Waters

Projects: The organization of irrigation and drainage systems at "campesino" settlements in the Dominican Republic, in cooperation with USAID. Projects in support of increased production and productivity in the North-east of Brazil, through the implementation of irrigated areas. Irrigation system improvements in Chile. The main objectives of these projects are to strengthen the national institutions

responsible for defining and implementing irrigation policies and those pertaining to the conservation and management of land and waters, seeking mainly to up-grade the situation of landless "campesinos" and small producers; to provide technical cooperation and study the operation, maintenance and development of irrigation projects and to help conserve and manage watersheds; on the basis of institutional diagnostic studies carried out, contribute to the interdisciplinary training of personnel at different levels who are involved in the operation, maintenance and development of irrigation, watershed conservation and management projects, including the users; to back-stop actions pertaining to the exchange of techniques and reciprocal training activities between countries with similar environments and problems.

Fostering Basic Food Production

Projects: Fostering the agroindustrial production of Quinoa and Cañihua in Peru. Improving the production, processing, marketing and distribution of certified seed in Costa Rica. Regional development plan in Uruguay. The main objectives are to support national efforts to increase the production of basic foods; to establish IICA's support of national efforts through a program on the formulation of technological packages and small farmer production systems; to design schemes for production, input distribution, and feasible ways to provide technical and credit assistance in marketing and "campesino" organization aspects.

Fostering Animal Husbandry Production

Projects: A plan to foster dairy cattle production in Bolivia. A study for the commercial production of grass and forage legume seed in Colombia. Objectives sought are to contribute to the increased production of food of animal origin through the improved use of available resources, to ensure the economic and social progress of animal husbandmen, particularly those of limited resources; to stimulate and participate in national plans which favour a more efficient use of available resources, through the strengthening of national agencies, training personnel in available information and efficient production systems; and to stimulate the use of biological, economic and social criteria in research and technology transfer processes.

Reduction in Post-harvesting Crop Losses

Projects: A study on the preservation of five groups of perishable products in great domestic demand in Colombia. The objectives of this project are to strengthen the national institutions which define and implement "campesino" organization policies from

SUMMARY OF SIMON BOLIVAR FUND PROJECTS

COUNTRY	PROJECT TITLE	PROJECT DURATION	DATE SIGNED	PERSONNEL	GENERAL OBJECTIVE	EXPECTED PRODUCT	USS RESOURCES	
							S.B.FUND	COUNTRY
BRAZIL	Support increases in production & productivity in the North-east of Brazil thru the implementation of irrigated areas	3 years	Sept-10-1976	<p>International:</p> <ul style="list-style-type: none"> Specialist in Work Cooperatives Irrigation Specialist Marketing Specialist 	<p>Support and develop irrigated areas in the North-east to increase production & productivity of food and raw material for agroindustrial purposes</p>	<ul style="list-style-type: none"> To create an irrigation model to be used or expanded for other areas Train technicians and users To create necessary institutional coordination conditions & mechanisms for model expansion 	100,000	3,805,309
COSTA RICA	Collaborating with the Agricultural Sectoral Planning System on the Formulation of an Optional Agricultural Development Plan	2 years	August-20-1976	<p>International:</p> <ul style="list-style-type: none"> Agricultural Planning Specialist Expert in Agricultural Institutions Specialist in the Formulation and Evaluation of Projects 	<p>Cooperate with the Agricul. Sectoral Planning System on Nat. Agric. Develop. Plan, emphasizing food production</p>	<ul style="list-style-type: none"> Formulate 5 projects & train 40 technicians Operationalize personnel mechanism Organization and resources for OPSA Organiz. of MAG & ITCO, and coord. with OPSA Administrative and operative upgrading 	110,000	350,000
CHILE	Improvement of and getting underway of irrigation systems	5 years	June-11-1976	<p>International:</p> <ul style="list-style-type: none"> Specialist in the conservation and management of land and waters 	<p>Increased food production and inter-institutional coordination</p>	<ul style="list-style-type: none"> Creation of technical-administrative units for the conservation and management of land and waters 	111,200	126,200
HAITI	Strengthening the national system supporting "campesano" community rural development projects (Development flets)	4 years	May-5-1976	<p>International:</p> <ul style="list-style-type: none"> Community Enterprises Specialist 	<p>-To create a support mechanism within the Minis. of Agr., for "campesano" community rural development projects. -Coordination.</p>	<ul style="list-style-type: none"> To create an institutional planning, coordination, supervision & evaluation system To establish a permanent training system To develop project formulation techniques and methodologies 	65,000	65,000
GUYANA	The definition and promotion of methodologies for legume production	3 years	July-14-1976	<p>International:</p> <ul style="list-style-type: none"> Legumes Specialist Rural Administration Specialist Agricultural Engineering Specialist (agricultural mechanization) 	<p>To support national efforts to increase legume production and productivity, so as to attain self-sufficiency</p>	<ul style="list-style-type: none"> To train technical personnel To produce and transfer technological agricultural packets To increase legume production 	131,700	220,810

NICARAGUA	Support sectoral planning and management so as to increase food production	3 years	Sept-22-1976	<ul style="list-style-type: none"> International: Evaluation, Personnel Administration, Training and Analysis Consultants National: Agricultural Economist Programming Specialist Finance Adminis. Specialist Institutional Analysis and Development Specialist 	To collaborate with the Min. of Agric. and the public sector on increasing the production of food and raw materials	<ul style="list-style-type: none"> To organize the Planning Offices of MAC, JAN and INTA To train 100 functionaries To develop methodologies & produce manuals To prepare 3 agency projects on improved food production 	100,000	170,700
PANAMA	Technical cooperation on planning associative enterprises of agricultural producers	18 months	May-10-1976	<ul style="list-style-type: none"> International: Two Rural Administration Specialists 	To improve entrepreneurial aspects of organized groups	<ul style="list-style-type: none"> To train technicians To formulate and apply exploitation plan models To consolidate exploitation plans as concern credit requirements 	110,770	192,770
PARAGUAY	Associative production enterprises with armed forces conscripts	5 years	April-26-1976	<ul style="list-style-type: none"> International: "Campesino" Organization Specialist Basic Studies Consultant Colonization Specialist 	To support national colonization committees on an associative production enterprise system experiment	<ul style="list-style-type: none"> To train and settle 500 conscripts and their families To organize 5 enterprises To conduct a feasibility study on 40,000 hectares 	99,325	90,000
PERU	Fostering quinoa production in Peru	1 year	Sept-30-1976	<ul style="list-style-type: none"> International: Quinoa Specialist (Agric. Engineer) Agricultural Economist Consultant 	To collaborate with the Food Ministry on a production feasibility study on Quinoa	<ul style="list-style-type: none"> Study to include: <ul style="list-style-type: none"> Demand-supply situation for quinoa Economic aspects: purchase/sale of product Marketing (transport from producers to consumer) Utility as compared to other products of the zone Institutional aspects which could affect attaining desired goals 	104,500	265,000
URUGUAY	Agricultural Regional Development of Uruguay	5 years	May-10-1976	<ul style="list-style-type: none"> National Agricultural Projects Specialist 	To cooperate with the government on increasing food production	<ul style="list-style-type: none"> Regionalization of the country Select a region for an integral development plan (formulation & implementation - support) Identify specific projects Train 50 professionals 	107,100	61,800
TOTAL							US\$1,040,450	5,347,589



Dr. Jorge Luis Zelaya Coronado, Assistant Secretary General of the OAS, looks on as Dr. José María Machin, Ambassador of Venezuela at the OAS, presents Mr. Enrique Blair, IICA Director of Institutional Relations, with Venezuela's first contribution of US\$ 2,000,000 to the Simon Bolivar Fund.

economic, social and educational points of view; to cooperate in the research, planning, implementation, evaluation and operation of "campesino" organization projects and to cooperate in training activities on "campesino" organization methodologies. The justification of these technological innovation projects is the fact that the Member States of IICA are experiencing a series of difficulties, to a greater or lesser degree, in satisfying the rapidly growing demand for food due to production and marketing problems. One of the more critical problems identified by IICA in marketing aspects, is the rather considerable volume of food which is lost or damaged during the different steps from producer to consumer. Studies indicate, for example, that losses of this nature in Brazil are as high as 40 percent. Research studies in the countries of Central America indicate that these losses range about 25 percent. Evidently, perishable products suffer the highest losses, and although there are other foods which are relatively stable such as grains which suffer less, losses have been as high as 10 and 12 percent in some cases.

"Campesino" Organization

Projects: Strengthening the Cooperatives Division of the Agricultural Services Office (DIGESA) of Guatemala. "Campesino" organization settlements in cooperation with AID, in the North-east of the Dominican Republic. Associative agricultural production enterprises with armed forces conscripts in Paraguay. Objectives sought are to strengthen the national institutions which define and implement "campesino" organization policies and to cooperate in training activities on "campesino" organization methodologies.

Agrarian Planning

Projects: Strengthening the sectorial planning systems of Costa Rica, and of INTA, Guatemala. Project objectives are to aid the Member States in using agricultural planning instruments; to cooperate on structuring sectorial planning offices, on generating and developing planning methodologies appropriate for the conditions of the rural sector of each country; to



Youth are the basis of a Simon Bolivar Fund project in Paraguay.



Mr. Guillermo Guerra, Director of the Simon Bolivar Fund, visits agricultural districts in Haiti.

design and organize training programs to prepare interdisciplinary agricultural planning teams capable of

identifying, preparing and evaluating agricultural animal husbandry and forestry projects.

Rural Development Management Process

Projects: Proposed National Training Center in Nicaragua, to emphasize institutional and rural development management aspects. Strengthening the national system supporting "campesino" community rural development projects ("Development Islets"), in Haiti. The objectives are to improve management aspects of national rural development plans and projects; to cooperate on the creation and reconstruction of agrarian public sector agencies throughout the institutional system; to improve operational aspects of the institutional agencies, sub-systems and systems of the public agrarian sector; improvement and application, feedback and communication, research on management aspects and the development of methodologies. Program justification would indicate that the main problem in the field of management, which is relatively new to the development process, consists in the adaptation of the agencies and their administrative procedures to the dynamic requirements of development. As management aspects are an essential part of institution building, the program is of importance in developing IICA's basic strategy.

Regional Rural Development

Projects: Rural Development in Ecuador. Diagnostic studies on agricultural development in Honduras. Objectives sought are to cooperate with countries in the following aspects: the design of regional rural development plans; the design and implementation of research studies concerning regional resources; socio-economic studies on the optimum utilization of agricultural resources, and on production and marketing possibilities; programming of regional development actions; the design and structuring of appropriate organizations for regional rural development purposes, the analysis of experience acquired, and the formulation of methodologies based on this analysis.



Chapter IX.

RECIPROCAL TECHNICAL COOPERATION

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Chapter IX

RECIPROCAL TECHNICAL COOPERATION

Introduction

At the Twelfth Annual Meeting held in Santiago, Chile, in 1973, the Board of Directors approved the initiative suggested by some of the Representatives of the Member States, as presented by the Delegation of Peru. This can be summarized briefly as follows: some of the countries of Latin America are outstanding in one or more fields of agricultural activity within their development process; the agricultural technologies of the more developed countries require thorough analysis so as to properly adapt them to the characteristics and objectives of each country in Latin America, and the adaptations made in some countries could well facilitate and accelerate the adaptation process in others; the exchange of knowledge and experiences between similarly oriented countries with minor cultural differences facilitates the adoption of technological advances and requires less investment in their implementation; moreover, IICA's present organization permits the identification and diffusion of the more outstanding agricultural achievements in each country.

It was therefore resolved to approve resolution IICA/RAJD/Res.10(12/73) recommending IICA to concentrate on the identification, promotion and diffusion of available reciprocal technical cooperation and to make good use of these opportunities, reporting annually to the Board of Directors on the progress achieved in this type of cooperation among Member States.

In response to the express interest of the Member States, and firmly convinced of the success of this type of action, IICA has been strengthening its programs which include reciprocal technical cooperation activities. In actual fact, there is practically no IICA action which does not contain some form or other of reciprocal technical cooperation. Actions undertaken in this field are too numerous to report on in detail here, and include the work underway with the Simon Bolivar Fund, reported on in a separate chapter. Selected examples of actions undertaken are given then, with definite international technical cooperation characteristics.

Some important examples of reciprocal technical cooperation

Legislation and the Use of Waters

Honduran specialists in Legislation on the Use of Waters and the Operation and Administration of Irrigation Districts of the Ministry of Natural Resources received in-service training in March 1976 in

Colombia, as part of a course organized by the IICA Office in Honduras, in collaboration with the IICA Office in Colombia which coordinated these activities. This training program was sponsored by the Ministry of Natural Resources and partially financed by the Program for the Conservation and Management of Land and Waters of IICA. Honduras considers the problems related to legislation with respect to the use of waters and the corresponding operation and administration of irrigation districts to be of great importance. Hence, the technical cooperation provided has been immediately useful.

Agroindustry

The IICA Office for the Andean Zone of IICA in Lima sponsored a Regional Meeting of Agricultural Production Technology Professors, together with the National Agrarian University of Peru. Thirty-seven professionals from Universities in Bolivia, Colombia, Ecuador, Peru and Venezuela attended this meeting.

A number of import recommendations were adopted at the meeting, which included intensive methodological work, papers given by outstanding specialists and the participation of those interested in teaching technologies in agricultural production. Perhaps the more important of these recommendations are as follows: To establish programs or departments at higher agricultural education institutions to train professionals in agroindustry, in accordance with the realities of each country. To establish agroindustrial professional training centers. Sign financing agreements with government agencies so as to undertake the necessary actions to create and adapt science and technologies as needed in each country. To promote the creation of postgraduate schools in agroindustrial sciences and technology, and ensure the provision of regular training courses in this field for middle-level personnel. To include the basic aspects of agroindustrial sciences and technology into the curriculum of agricultural training courses so as to train professionals in the conservation and transformation of agricultural products, at the primary level.

The meeting was coordinated by Mr. Francisco Sylvester, IICA Education Specialist in Venezuela, together with Mr. Teofilo Aliaga and Mr. Fernando Hurtado, Director of Academic Programming in Food and Industries, and Head of the Food Technology Department, respectively, at the National Agrarian University.



Functionaries from El Salvador and Colombia visit "campesino" community enterprises in Peru.

Agricultural Planning

The Undersecretary of Planning and Budgets (SUPLAN) of the Ministry of Agriculture, Dr. Raul Octavio Amaral de Valle, informed the IICA Office Director in Brazil that SUPLAN was interested in participating in the Latin American Agricultural Planning Exchange Program established by IICA.

SUPLAN programmed three courses of five months duration each, in Public Farming Administration; Agricultural Marketing and Financing; and Integrated Rural Development, to start in April, May and June 1976, respectively. In each course, given at the Inter-American School of Public Administration of the Getulio Vargas Foundation in Rio de Janeiro, SUPLAN ceded five vacancies to university-level technicians from other Latin America countries, with experience in agricultural planning or working in the sector and were interested in the opportunity.

SUPLAN defrayed registration, course and teaching material expenses. Travel and per diem expenses for participating Latin American technicians were covered either by the IICA Office which selected and sent the candidates or by the agencies or countries interested in the exchange program.

Planning and Agrarian Reform

Mr. Agustín Fernández, Agricultural Unit Advisor of the Planning Department, Colombia, and Messrs. Hernán Tenorio and Marco Tulio Araniva, Programming Head and Technical Advisor, respectively, of the National Agrarian Planning Council of El Salvador, spent two weeks in Peru on an intensive training program to observe the agrarian planning and organization process in Peru and the progress achieved in agrarian reform. To this end, they interviewed the technical personnel

of the Sectoral Agricultural Planning Office; the Agrarian Reform and the "Campesino" Community Enterprises Offices of the Ministry of Agriculture; the National Agrarian Reform Training and Research Center (CENCIRA); the Sectoral Planning Office of the Food Ministry; the National Social Mobilization Support System; and the National Planning Institute. They also visited Agricultural Production Cooperatives, the Coastal Agroindustrial Complexes, the Tinajones Irrigation Project, and the Social Interest Agricultural Societies of Agrarian Zones II, IV and X at Chiclayo, Lima and Huancayo. The Office Director of IICA in Colombia, Mr. Mauro Villavisencio, together with Mr. Leopoldo Sandoval, Agrarian Reform Specialist in IICA's Guatemala Office were responsible for this training activity, which in turn was coordinated in Peru by the Regional Office for the Andean Zone, through Mr. Guillermo Guerra and Bertha Rojas, Public Relations Assistant.

Messrs. Mario Indaburi and German Contreras, in charge of the Colonization Division and Assistant Manager of Engineering and Colonization, respectively, of the Colombian Institute of Agrarian Reform, also visited Peru for a two-week training program in November 1975. The aim of the program was to observe the Peruvian colonization projects within an agrarian reform context. They visited rural settlement areas in different stages of development in Tingo María (Huanuco) and the agrarian reform area of Convención (Cuzco). Mr. August Donoso, Agricultural Production Planning Specialist of the IICA Office in Colombia coordinated this training program, and was back-stopped by the Regional Office of the Andean Zone, in Lima.

Other Activities

A large number of functionaries from agricultural development agencies in Bolivia, Colombia, Ecuador, Peru and Venezuela underwent in-service training programs within the Reciprocal Technical Cooperation Program, in the following areas of interest: marketing, colonization, water resources management, irrigation, hydraulic resources, "campesino" organization, "campesino" commercial enterprises, agricultural planning and communications.

In Caracas, Valencia and Maracay, Venezuela, several functionaries from INCOPER-Venezuela and IDEMA-Colombia participated in a marketing training program, with specific reference to the necessary infrastructure for the technical management of perishable products. This program was coordinated by Nelson Suárez, Marketing Specialist in Ecuador, and Mauro Villavisencio, Director of IICA's Office in Colombia.

Mr. Augusto Donoso, Agricultural Production Planning Specialist in Colombia coordinated a field trip for the Regional Manager of the INCORA Caquetá Project, Mr. Pedro Augusto Lamprea, as an observer-trainee in colonization matters. The program included study and observation visits to several Brazilian institutions such as the National Colonization and Agrarian



Another aspect of their visit to Peru.



Reciprocal technical cooperation can provide considerable mutual training possibilities.

Reform Institute; the Rural Assistance and Credit Association, the Brazilian Storage Company, the Brazilian Development Institute, and others.

Other Colombian INCORA technicians went on observation trips to Peru and Venezuela on irrigation waters management. In Peru they visited the San Lorenzo and Chira irrigation projects in Piura, and the irrigation system at Tinajones, in Lambayeque. In Venezuela, they visited the Guaco, Camategua and Guanipito systems and other hydrographic regions.

Another training program on irrigation matters involved the visit of Ecuadorian technicians from the Ministry of Agriculture, the Manabí Poza-Honda Committee and the University of Manabí, to observe the irrigation programs in Peru. IICA's Irrigation Specialist in Lima, Jorge Luque, together with Mr. Joaquín Leiva IICA Office Director in Ecuador, coordinated this training trip. Several technicians from the Agricultural Engineering Office of the Ministry of Agriculture and Farming Affairs of Bolivia also visited Peru with the specific purpose of observing the objectives, methodology, regulations and direct activities of the Waters Office of the Ministry of Agriculture of Peru, in the management of their hydraulic resources.

Several functionaries of Colombian institutions also visited several Peruvian institutions to observe their programs in "campesino" organization. They visited the following offices: Agrarian Reform, "Campesino" Community Enterprise Support, Planning, Public Relations of the Agrarian Reform Training and Research Center, of the Ministry of Agriculture. They also visited the Agricultural Products Cooperative "Casagrande" in La Libertad Department, and Agrarian Zone III.

Venezuelan and Ecuadorian functionaries also participated in "Campesino" Organization and Agricultural Planning activities. Lic. Cessar Erazo Rodríguez, Public Relations Head of the Ecuadorian Agrarian Reform Institute (IERAC) underwent an intensive training program in Communications for Rural Development, coordinated by Luis Salinas, IICA Communicator of the Regional Office for the Andean Zone.



Chapter X.

SPECIAL PROGRAMS

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Chapter X

SPECIAL PROGRAMS

Introduction

As is customary, a brief summary on the more important aspects of the so-called Special Programs is included in this report. These Programs are usually set up at the express behest of the Board of Directors of IICA, or as a result of specific agreements or contracts which the Institute signs with national or multinational agencies for specific cooperative work based on the real needs of the countries. On this occasion, the programs reported on below have been selected from amongst those currently underway, because of the general interest in them, and their ample scope of coverage.

a. The Tropical Agricultural Research and Training Center (CATIE)

During the fiscal period covered by this Report, the Permanent Board of Directors of IICA approved resolution IICA/JD-11(20/76), modifying articles 14 and 17 of the agreement signed with the Government of Costa Rica, to create CATIE. As a result of these modifications, CATIE can now enter upon agreements with other universities, in addition to the University of Costa Rica, on aspects pertaining to the training program; and the minimum annual contribution of IICA for maintenance of the Center was established at US\$ 500,000.

CATIE has rounded out its staff roster, employing highly qualified professionals from several countries, either within the regular budget or on the basis of specific agreements with several countries and/or institutions.

In October 1975, a seminar on rural organizations, sponsored by the University of Costa Rica and FAO, was held in Turrialba. In November, the Organization for Tropical Studies (OTS) held its annual Board of Directors meeting at the Center. Mr. Robert McNamara, President of the World Bank visited CATIE in November, as well as officials from the Governments of Germany and Holland, on aspects pertaining to student fellowships.

The Dutch fellowship program at CATIE began in 1970. Since that time, 25 Latin American students have graduated and there are another 26 students on Dutch scholarships, currently taking postgraduate studies at the Center. Dutch government support of the academic program, to September 1975, totalled US\$ 275,000. Dr. Gerrit Overwater, of the Ministry of External Affairs for Holland, visited Turrialba and was impressed with the program; he indicated that it would continue.

An agreement was signed with the Federal Government of Germany to create an International Genetic Resources Bank. His Excellency the Ambassador of Germany in Costa Rica, Dr. Wolfgang Wimmers, presented the Director of CATIE with the agreement, at a special ceremony held in December 1975.

The fourth cycle of postgraduate courses began in April 1976, in cooperation with the University of Costa Rica. Research work progressed normally, with emphasis on small farmer cropping systems, which CATIE is projecting throughout Central America, through its outreach program.

b. Cooperative Program for the Development of the American Tropics (IICA-Tropics)

In November 1975, the important International Working Group Meeting on Production System Directives for the American Tropics, was held in Manaus, Brazil. The meeting was organized by the IICA-Tropics program, in collaboration with the Agricultural Research Institute of Brazil (EMBRAPA) the Cacao Research Center (CEPEC), and the Amazon Research, Institute (INPA). Delegates from Bolivia, Brazil, Colombia, Ecuador, Peru and Venezuela attended. Five main directives were drawn up at the meeting, on the following aspects: basic concepts of systems research; the basic conditions required to carry out systems studies; common methodology factors for these studies; studies of the research results on production systems; and the coordination of activities related to systems research endeavors.

To ensure an ample diffusion of the Research Directives which were approved, the Executive Secretariat of the IICA-Tropics program has supplied the National Program Coordinators with a number of the documents, to be made available to the researchers in their respective countries, for comments and suggestions. On the basis of these, a preliminary final version will be drawn up, to be analyzed and discussed at a future meeting.

Some progress has been made along this line. In June 1976, area specialists in production systems met at CATIE (Turrialba, Costa Rica) and CIAT (Cali, Colombia) to exchange information on research experience, experiments, field trials, etc. in production systems, being carried out at both institutions.

Other IICA-Tropics activities include: the VII Meeting of the Advisory Committee (Maracay, Venezuela, May 1976); the II Meeting of Ministers of Agriculture; an International Seminar on Development



The Director General of IICA looks on while Dr. Irving Tragen, Director of ROCAP, and Mr. Manuel Elgueta, Director of CATIE, sign a cooperative agreement between the two institutions.

Strategies for the American Tropics; and the provision of technical assistance on national research projects in production systems.

c. Rural Development Management Program

This Program, financed by GRANT/AID/LA 683, started on June 30, 1971 and concluded on June 30, 1976.

The purpose of this Program was to create the capacity in a regional-level Latin American institution—in this case IICA—to provide technical assistance and support for the public and private organizations of Latin America to assure an adequate impact of their programs in rural areas, through the utilization of effective management and administrative tools.

Program goals were accomplished in the following manner: research studies on management problems were conducted; case study material was evolved, based on previous research studies; executives responsible for national management programs were trained; and training and educational material were adapted for use in Latin America, and other areas. Program work was implemented mainly in Costa Rica, Brazil, the Dominican Republic, El Salvador, Haiti, Honduras, Mexico, Nicaragua, and Panama. Additional actions were undertaken in Bolivia, Guatemala, and Paraguay.

The IICA Office to Coordinate the Action Plan in Costa Rica, prepared a document in June 1976

entitled "Final Report (Ref. Grant AID/LA-683, PIO/T 598-547-1-6548051). A detailed description of work accomplished by the Program is given, and pertinent conclusions and recommendations are included. As a result, IICA now has a team of rural development management specialists with the capacity to provide effective management training, and technical advisory services in this field, to the institutions of the agricultural sector in the Member States.

As of June 1976, the Agency for International Development of the United States (USAID) authorized a new Grant for IICA, for three years, whereby two technicians will be employed to work in the area of project management.

Analyzing the experience acquired by the management team, the conclusion was reached that it would be useful if IICA further strengthened its capacity in the management of specific projects, where many gaps in management procedures become evident, and was not taken up in-depth in the management program which has just concluded.

d. Agricultural Research Institute of Brazil (EMBRAPA)

As to coordination activities within the agreement with EMBRAPA, efforts have been made to readjust and consolidate the management system for this technical assistance contract, divided into six principal components: Administration of the IICA-

EMBRAPA contract; Administration of technical personnel employed under this contract; Management of the goods and materials acquired under this contract; Finance administration; and Evaluation and Control.

During the fiscal period covered by this report, two IICA technicians conducted an evaluation study of the IICA-EMBRAPA Contract. Results indicate that, in general, work has been accomplished much as expected, with the exception of certain working areas where specialized personnel were hard to find. Recommendations were made as to IICA's follow-up procedure on contract operations.

Technical cooperation activities can be summarized into three main areas: the consolidation and reinforcement of the Data Processing Department, at a centralized level; and the planning and organization of quantitative research methods network, at a national level, through the operative centers and units responsible for specific activities.

In the Directives and Methods Departments, cooperation centered on the provision of advisory services on planning, with particular emphasis on research planning systems and methodologies for the economic analysis of physical and biological experiments. On a decentralized basis, technical cooperation activities were oriented towards obtaining information directly from specialists and units.

In the Department of Information and Documentation, activities centered on reinforcement endeavors. The implementation of the CAIN and SDI systems will provide researchers with up-dated information in the pertinent disciplines. Towards the end of 1975, a scientific communications technician from IICA's Executive Offices travelled to Brazil to cooperate on a revision of EMBRAPA's scientific publications.

In the Technical-Scientific Department, work was carried out on the organizational and operative aspects of the research implementation centers and units; on research planning in animal production; and on other specific research activities.

Twenty-three different consultants worked on diverse activities under the IICA-EMBRAPA contract, during the January-June 1976 period.

e. **Multizonal Program on the Conservation and Management of Land and Waters**

Program activities in the Southern Zone have been oriented towards capitalizing insofar as possible, on experience acquired, available information and solutions to problems in the conservation and management of land and waters accumulating in the different countries of the Zone, to their mutual benefit. To this end, a Program Advisory Committee has been functioning, comprised of the high-ranking directors of national agencies working in this field, in the different countries participating in the Program. Several agreements between countries have resulted



The Advisory Committee of the Cooperative Program for the Development of the American Tropics meet in Colombia with the Ministers of Agriculture of participant countries.

from Advisory Committee meetings, to foster and facilitate the exchange of technicians and information; comparative studies have been carried out on aspects of common interest, particularly with respect to irrigation; there is a general awareness of the institutional organization in each country, and various observations and pertinent information have been disseminated to participant countries, and have contributed to attaining Program objectives. As of 1976-77, special emphasis will be given to the orientation of future actions in accordance with new objectives in the conservation and management of land and waters, as established by the Board of Directors of IICA for this Program.

In the Northern Zone, special attention has been given to: cooperating on the preliminary formulation of general laws on waters (Honduras); a diagnostic study of available resources in irrigation districts (Honduras, Costa Rica); training national technicians in special courses (Costa Rica, Honduras, El Salvador); and large-scale irrigation projects, such as the Moracia Irrigation Project in Costa Rica.

Work is also underway to establish a methodology for the selection of agricultural development projects, taking advantage of combined water and soil resources, as in the case of El Salvador.

In the Andean Zone, Program actions have been oriented mainly toward the support of the Soil and Water Division of the Ministry of Farming Affairs and Agriculture of Bolivia; the support and assistance to institutions and other agencies connected with irrigation activities and the study of watersheds in Ecuador; and providing assistance to the Waters Head Office of the Ministry of Agriculture of Peru, the National Engineering University and the National Agrarian University, on irrigation matters.

As a result of the agreement with the Ministry of Agriculture of Peru, a Manual for the Operation of Irrigation Systems, which includes aspects pertaining to the distribution and control of irrigation waters, is now available for use by Peruvian professionals working in



Anthocephalus cadamba, an exotic tree introduced to the American tropics by IICA, is a fast-growing species which has adapted readily to American tropical environments.

this field. The Manual, which is product of the corporate work of 11 Peruvian professionals in the field, is divided into three parts: preliminary information and requirements (prognostication of surface and subterranean water sources, quality of the water, soils, etc.); the design and methodology for operating irrigation districts; and the operational phase *per se*.

f. Cooperative Regional Program for the High Andes

IICA created the Regional Cooperative Program for the High Andes, at the initial behest of the Government of Bolivia which was considering the establishment of an integral project to study the problems of the "campesino" in the High Andes – pastures and forages as well as Andean crops.

During the 1975-76 fiscal period the Program has accomplished the following:

At a multinational level, the planning and coordination of Andean crop germplasm banks were undertaken, and are of great importance for future research and plant breeding projects. In collaboration with cooperating national institutions, the following material has been registered:

a) University of Ayacucho:

- "Mashua" Collection of the Peruvian Andes (30 clones).

b) Cuzco University:

- Lupinus Collection of the Andes – 240 entries and a plan for the selection of a sweet variety.
- "Oca" Collection of the Peruvian Andes – 40 entries and the reproduction of a precocious, high-yielding variety.

c) Puno University:

- "Quinoa" Collection from the Andes – 700 entries being evaluated.
- "Cañihua" Collection from the Peruvian Andes – 300 entries.

d) Belen Experiment Station

- "Quinoa" Collection from the Andes – 1,100 entries, being evaluated.
- "Cañihua" Collection from the Peruvian and Bolivian Andes – 350 entries, being evaluated.

Pastures research planning is also programmed, as is the II International Convention on Quenopodiaceae, in Potosí, Bolivia.



Irrigation works are essential to ensure a better utilization of available water.

In the Peruvian Andes, several technicians and professionals working in this field are being trained. In addition, a course was given on animal husbandry production systems in Huancayo, and research and production efforts on Quinoa and Cañihua are being supported in Puno. Nine hundred hectares of SAJAMA quinoa have been planted during the current year, and 3,500 local varieties in the department of Puno, as a part of a Project to foster Quinoa-Cañihua agroindustries. This project is being implemented with the participation of the Ministry of Food, the Ministry of Agriculture, the High Andes Technical University, UNICEF, FAO, CENCIRA and IICA.

The following documents have also been published: Pastures Bibliography for the High Andes, 1972; the Course on Animal Husbandry Production Systems for the High Andes, 1975; Report No. 1 on the Quinoa Project, in cooperation with the Puno Inter-institutional Committee, 1975; the "Andean Crops" bulletin, in collaboration with the Ministry of Farming Affairs and Agriculture (Bolivia), 1975.

Moreover, several articles have been published separately by Mr. Emilio Rojas and Dr. Mario E. Tapia.

Despite the work accomplished to date, it is felt that other complementary socio-economic activities should be undertaken, precisely because of the different variables of the complex situation in the High Andes. To date, these types of studies have not been possible, due to the lack of resources.

g. Hemispheric Agricultural Marketing Program (HAMP)

The policy of IICA's marketing program has been to improve rural and urban marketing systems as a means to general development and increased benefits for the population. Priority has been given to problems affecting low income producers and consumers.

The marketing program has analyzed the situation, based on diagnostic studies on the development, dualism and structure of the agricultural sector in several Latin American countries, as well as studies of public, and semi-public institutional systems and the integrated marketing systems for food products, in addition to the experience acquired through direct cooperation services. As a result, a new strategy is suggested which offers an alternative for improving the marketing systems serving small producers.

The key aspects of this strategy are as follows:

1. From a development point of view, and as basic objective, it is essential to foster the grouping and organization of small producers. Although this is not exclusively a marketing function, it is felt that marketing is a fundamental element of the grouping process.

2. Based on the observations, studies and reasoning outlined above, IICA considers that it is necessary to foster the temporary development of discriminatory channels in many countries, directed



Water is a resource to be used with great care, to ensure maximum benefit.

specifically towards small producers, within an institutionalized producer organization scheme.

3. The development of discriminatory channels also implies the development of marketing services, needed infrastructures, agroindustries and all other processes related to a marketing system, such as transportation, storage, information, central markets, etc. It also implies the need to foster training and planning endeavors in marketing aspects.

It is therefore essential to work with the different forms of producer organizations (small farmer or "campesino") with the aim of improving their position on marketing fronts, and the efficiency with which they carry out these processes, so that the sub-sector may capture a growing portion of the increased domestic and foreign demand.

A clearly defined policy, and specific objectives concerning small farmers and "campesinos" are essential, with respect to marketing services, infrastructure and producer organization; and the reinforcement of State agencies or services directed toward fostering and motivating these producer groups, providing technical assistance and resources to ensure the success of this strategy.

Any national food marketing policy or strategy oriented specifically toward small farmers, will be based on a scheme for the organization and coordination of supply on the one hand, and demand on the other. This approach to restructure and modernize marketing systems implies the application of an important principle: the participation of the small producer and "campesino" in the organizational aspects of providing goods to supply the markets. To implement this strategy so as to ensure the effective organization and participation of producer groups, several mechanisms such as storage centers, mixed base economies and integrated rural development programs, amongst others, may be used.

Incentives to obtain better prices, improved access to markets, better services and fewer production risks, are vital elements in the formation of these producers groups. In many cases, as already observed in Mexico, Nicaragua and other countries, organized marketing services have served as an incentive to create permanent producer groups, which can then establish other socio-economic development objectives.

The IICA Marketing Program is currently applying this strategy in several countries. Basic research and feasibility studies are being conducted in others, using specific case study mechanisms on the more important aspects of this strategy.

A Latin American Workshop is scheduled for November 1976, to discuss and analyze alternate marketing systems for small producers, and the pertinent policies and strategies for planning and implementing small farmer marketing programs.

The Workshop results will then be published, summarizing the strategy as a conceptual model, and presenting research results to date on small farmer marketing systems, and on State and private enterprise actions in this area. It is hoped that many aspects of this complex and important problem will be cleared up for interested countries, thereby contributing innovative information which can supplement the scanty knowledge available on small farmer marketing systems.

Because of the large number of small farmers and "campesinos" in the Member States, IICA has been working in this field to seek viable alternatives to ensure their direct and immediate participation in the economic development process of the countries of the area, thereby improving their general material well-being.

h. Integrated Agricultural Development Program (PIDAGRO)

This program is the result of an agreement between IICA, the Federation for Agricultural Development, and the State Secretariat of Agriculture of the Dominican Republic. Main program objectives are related to research, extension and agricultural training aspects. Satisfactory progress has been made on established objectives, through the work of specific technicians employed for this purpose. Nonetheless, it has been considered advisable to reprogram and adjust technical cooperation services provided, to meet current needs, and to ensure the availability of necessary staff, financial resources, time and appropriate objectives and goals. This reprogramming will be undertaken jointly by the Under-secretariat of Research, Extension and Agricultural Training, and IICA.

The National Agricultural Research and Extension Plan has run into some difficulties due to the number of preliminary actions to be carried out. Priority is being given to completing the draft version, by the first quarter in 1976-77.

All programmed courses and other activities within the agreement have been carried out as planned.

i. Inter-American Rural Youth Program Secretariat (SPIJR)

As of July 1975, the Executive Offices of IICA established the Inter-American Rural Youth Program Secretariat (SPIJR) in compliance with Resolution 34 (14/75) taken at the Fifteenth Annual Meeting of the Board of Directors, held in Ottawa, Canada. The aim of SPIJR is to support and strengthen national rural youth programs; to help augment opportunities to participate in the rural development process; and to support programs implemented by organizations that foster the integral development of rural youth in the Americas.

Once the Secretariat was organized, government authorities and directors of support institutions in the American States were duly informed of the establishment of this Secretariat, its objectives and actions to be undertaken in the interest of rural youth throughout the Americas.

Through SPIJR, IICA has provided considerable support to the Inter-American Rural Youth Advisory Council (CAIJR) and the Venezuelan Organization Committee on the planning and organization of the VII Inter-American Rural Youth Conference, to be held in Caracas, Venezuela, from October 17 to 22, 1976.

One of the principle objectives of the conference is to foster the effective and very real participation of rural youth in national development programs. To this end, four plenary sessions and three seminars will be held on pertinent topics. It is expected that delegates from the rural youth programs in the following countries will attend: Argentina, Barbados, Bolivia, Brazil, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Haiti, Honduras, Nicaragua, Panama, Puerto Rico, Spain, Trinidad-Tobago, United States of America, and Venezuela.

In addition to the economic and technical support provided by the Government of Venezuela for the conference, IICA will be cooperating with SPIJR personnel, technical personnel from the national offices, and will defray the per diem and ticket expenses of eight of the main conference speakers.

In compliance with one of its objectives, SPIJR, in cooperation with the directors of national rural youth programs, has been supplying periodic information on rural youth activities throughout the area. To this end, a quarterly bulletin "Rural Youth Information" has been published and distributed by SPIJR to over 700 technicians, leaders and members of the rural youth organizations of the Americas.

In addition, SPIJR has undertaken secretariat labors of the Inter-American Rural Youth Advisory Council (CAIJR), coordinating a series of activities of



Programs on the management and conservation of land and waters include drainage aspects.

several Council members; editing and distributing its publications; processing new CAIJR country representatives, plus programming and organizing two of the Regular Meetings.

During the period covered by this report, IICA through SPIJR, has supported rural youth program activities in Bolivia, Ecuador, Honduras and Venezuela. In Bolivia, assistance was provided the Youth Secretariat at the Presidency; in Ecuador, to the Rural Development Program on a seminar agenda; in Honduras to the Extension Service on a Visual Aids Laboratory for rural youth personnel; and in Venezuela, on the first Rural Youth Seminar in Barquisimeto, in March 1976. SPIJR also supports activities undertaken by the Rural Youth Foundations and Associations of Costa Rica, Colombia, El Salvador and Panama.

At the express request of Mr. Fernando Soley, Vice Minister for Youth of Costa Rica, and in coordination with the IICA Office in Costa Rica, IICA provided support on a project for youth self-help enterprises. The project financing is being arranged, and it is expected that this new working model for rural youth organizations will begin in 1977.

SPIJR also participated in the International Workshop on National Volunteer Services and the



With proper land-management practices, high Andean zones can become a potential source of wealth.



The study of crop species in the high Andes is an integral part of IICA's program.

Youth Enterprises of Latin America, held in Cerro Verde, El Salvador, in June 1976. SPIJR has provided information on its existence, and the services IICA can provide the rural youth organizations of the Americas, at these and other activities.

In compliance with one of its principal objectives, SPIJR has prepared a project on Rural Youth Information and Documentation, which has the support of national rural youth programs, volunteer services, UNDP youth organizations and others. The project has been submitted to the International Development Research Center of Canada for possible financing. Operations are expected to begin in January 1977.

j. Support provided Professional Scientific Associations

By means of Executive Order No. 108/76 of April 21 1976, the Executive Offices of IICA established the Liasion Secretariat for Professional Scientific Associations with the aim of providing these associations with support at an inter-American level, to help them up-date and accomplish their objectives; to foster information exchange and to serve as liasion between the American professionals working in agricultural sciences; to orient, foster and coordinate association activities which require the support of this Secretariat.

Once the Secretariat was established, the Director General of IICA informed the directors of the professional scientific associations throughout the continent

of the objectives and actions to be carried out by this service in support of their associations.

In response to this offer of support, a Letter of Understanding has already been signed between the Director General of IICA and the President of the Latin American Animal Production Association (ALPA), establishing the support to be provided ALPA by IICA: secretarial services; editing and distribution of publications; control and registry of membership; annual fee collection; and the provision of support for some of the annual activities and meetings of the association's directive members. ALPA has a total of 1,200 members throughout the area.

Another letter of Understanding was signed between the Director General and the President of the Latin American Association of Agricultural Librarians and Documentalists, ratifying IICA's support to the Executive Secretariat of this association, provided since 1966, as concerns administrative services; physical operating facilities; technical cooperation on association projects; technical and economic support for the organization and holding of the AIBDA inter-American meetings; the distribution of publications and strengthening the AIBDA channels of communication between this association and organizations dedicated to the rural development process in the American nations. AIBDA has a total of 550 individual and 200 institutional members.

The Agreement with the Latin American Agricultural Sciences Association (ALCA) was continued, whereby IICA provides financial support for a period



Rural youth are a basic concern of the Institute.



Rural youth programs should also consider rural family problems throughout Latin America.

of three years for the Executive Secretariat of the association. This Agreement will terminate during the present fiscal period.

By means of this new Liaison Secretariat, IICA has also continued to provide support to other scientific associations. To date, Letters of Understanding are being negotiated to provide secretarial

support to the Latin American Higher Agricultural Education Association (ALEAS) and the Latin American Postgraduate Agricultural Education Association (ALEAP). Support has also been provided the Inter-American Association for the Study and Conservation of Human Environment, and the corresponding letter of understanding is currently being negotiated.



Chapter XI

FINANCIAL SUMMARY AND ANALYSIS

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Chapter XI

FINANCIAL SUMMARY AND ANALYSIS —FINANCIAL STATEMENTS—

General Information

Quota collections during the last fiscal year were less than they have been during the past three years. For this reason, the cash position as compared with last year, was reduced considerably. An important point to consider in reviewing the financial statements, is that a large quota payment of approximately US\$ 500,000 for 1975/76 was received approximately one week after the closing date of June 30, and is therefore not reflected in the financial statements presented here. Another important aspect is that cash on hand shown for June 30, 1975 represented a large amount of funds available to complete the building program, financed from the Construction Fund.

General Working Fund (Table 4 and Graph-figure 1)

As explained in the previous paragraph, the liquidity in the General Working Fund, reduced from the previous year for reasons of a lower percentage of quota collection and a second transfer of US\$ 481,626 to the Construction Fund, authorized by the Board of Directors, reflects even less in the statements presented

here, because the large quota payment of approximately US\$ 500,000 was not included in the financial statements to June 30, 1976. (Financial Statements shown here reflect the situation of the General Working Fund after the transfer of US\$ 481,626).

Quotas (Tables 3 & 6; Graph-figure 2)

Because of the lower percentage of quotas collected as compared to the previous year, and the registration of one large quota payment after the close of the fiscal year, quotas receivable as of June 30, 1976 reflected a substantial increase. The total of Quotas Receivable as of this date increased from US\$ 1,363,820 at the end of fiscal year 1974-75 to US\$ 2,067,798 at the end of fiscal year 1975-76. Of the latter amount, a 1975/76 quota payment of US\$ 489,099 was registered a few days after the closing date, and will appear in the statements for 1976/77.

Accounts and Contributions Receivable (Table 1)

As in previous years, these sums mainly reflect sums due from major contracts and agreements still

Table 1. Statement of Assets and Liabilities as of 30 June 1975 compared with Statement as of 30 June 1976
(UNITED STATES DOLLARS)

ASSETS	30 June		LIABILITIES	30 June	
	1975	1976		1975	1976
Cash on hand & in banks	1,065,725	353,087	Loans Payable	19,000	
Short-term deposits	1,450,000		Accounts Payable	27,500	69,842
Quotas Receivable,			Third Party Funds	288,154	168,512
Member States	1,363,820	2,067,799	Rotating Funds	1,278,867	483,814
Accounts Receivable	401,127	586,376	Reserves	<u>5,247</u>	<u>44,842</u>
Inventories	120,932	166,541	TOTAL LIABILITIES	<u>1,618,768</u>	<u>767,010</u>
Prepaid expenses	62,625	208,982			
Expected Contributions		130,952			
			NET ASSETS:		
			Funds & Donations		
			Received for Specific Purposes	54,451	103,021
Other Assets	<u>11,150</u>	<u>11,334</u>	General Working Fund	<u>2,802,160</u>	<u>2,655,040</u>
	<u>4,475,379</u>	<u>3,525,071</u>		<u>4,475,379</u>	<u>3,525,071</u>

owing as of June 30, but which were largely cancelled during the first few months of the new fiscal year. Other sums due from contracts or agreements are paid on a regular billing basis during the year, and are not considered to be doubtful.

Inventories (Table 1)

The increases in inventories were due to a heavy investment in paper for the Printing Shop, due to the paper shortage scare, and will be consumed gradually without requiring further investment for some time.

Accounts Payable and Rotating Funds (Table 1)

Accounts payable reflected an increase; however, as in the past, these were current and were cancelled

on a current basis. Rotating Funds decreased considerably, due for the most part, to the termination of the Headquarters building, financed from the Construction Fund.

Summary (Various Tables and graphs)

The general financial situation of the Institute is considered to be sound. However, its general cash position is at a point which requires strengthening as soon as possible, in order to finance future operations during those periods when quota payments are not received. For this reason, every effort is being made during this year, to increase quota payment percentages and maintain the resources due the Institute on a current basis, necessary for uninterrupted operations.

Table 2. Quota Movement Statement for Fiscal Year ending 30 June 1976
(UNITED STATES DOLLARS)

Member States	Quotas Receivable	Quotas for the year	Total owed	Total collec- tions	Total owed as of	Increase (Decrease) of balance owed between
	30.6.1975	1975-1976	1.7.1975	1975-1976	30.6.1976	30.6.75 30.6.76
Argentina	—	493,012	493,012	—	493,012	493,012
Bolivia	83,134	12,658	95,792	—	95,792	12,658
Brazil	446,412	498,342	944,754	446,412	498,342	51,930
Canada	—	452,372	452,372	452,372	—	—
Colombia	93,125	103,933	197,058	93,102	103,956	10,831
Costa Rica	18,990	12,658	31,648	18,688	12,960	(6,030)
Chile	248,465	91,275	339,740	—	339,740	91,275
Dominican Republic	128,537	12,658	141,195	56,164	85,031	(43,506)
Ecuador	751	12,658	13,409	11,431	1,978	1,227
El Salvador	28,061	12,658	40,719	16,722	23,997	(4,064)
Guatemala	(1,627)	19,322	17,695	17,695	—	—
Guyana	(11,053)	12,658	1,605	1,605	—	11,053
Haiti	151,679	12,658	164,337	—	164,337	12,658
Honduras	11,339	12,658	23,997	11,339	12,658	1,319
Jamaica	—	12,658	12,658	12,658	—	—
Mexico	(59)	556,970	556,911	498,960	57,951	58,010
Nicaragua	28,357	12,658	41,015	11,339	29,676	1,319
Panama	11,339	12,658	23,997	23,997	—	(11,339)
Paraguay	126,470	12,658	139,128	12,658	126,470	—
Peru	—	45,305	45,305	23,305	22,000	22,000
United States	—	4,404,636	4,404,636	4,404,636	—	—
Trinidad-Tobago	—	2,110	2,110	2,110	—	—
Uruguay	(100)	39,209	39,209	39,309	(100)	—
Venezuela	—	207,198	207,198	207,198	—	—
SUBTOTAL	1,363,820	7,065,680	8,429,500	6,361,700	2,067,800	703,980
Cuba	671,067	71,287	742,354	—	742,354	71,287
TOTAL	2,034,887	7,136,967	9,171,854	6,361,700	2,810,154	775,267

FIGURE 1

COMPOSITION OF THE GENERAL WORKING FUND

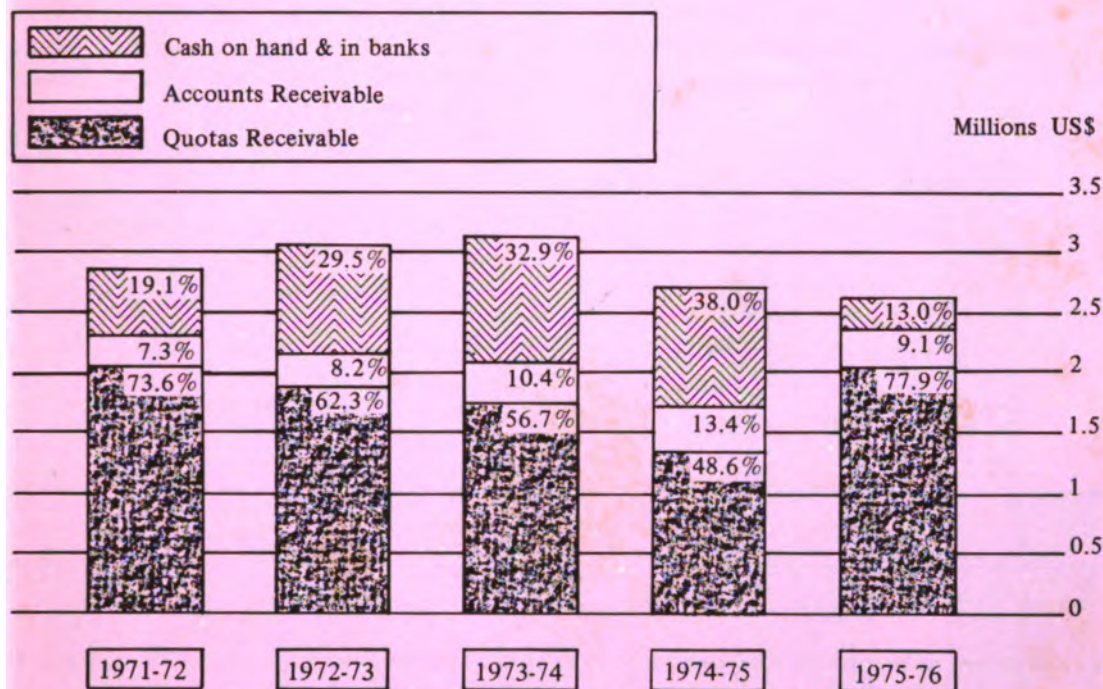


Table 3. Comparative Detail on Member State Quota Collection

(UNITED STATES DOLLARS)

	Fiscal year 1974-1975		Fiscal year 1975-1976	
Situation as of July 1				
Prior year quotas	1,734,291 (100%)		1,363,820 (100%)	
Current quotas	<u>6,320,785 (100%)</u>	8,055,076 (100%)	<u>7,065,680 (100%)</u>	8,429,500 (100%)
Payments Received during the Year				
For prior years	1,083,368 (62%)		678,514 (50%)	
For the current year	<u>5,607,888 (89%)</u>	6,691,256 (83%)	<u>5,683,187 (80%)</u>	6,361,701 (75%)
Situation as of June 30				
Collection for prior years	650,923 (38%)		697,985 (50%)	
Collections for the current year	<u>712,897 (11%)</u>	<u>1,363,820 (17%)</u>	<u>1,369,814 (20%)</u>	<u>2,067,799 (25%)</u>

Note: Quotas corresponding to Cuba are not included into the amounts and percentages shown in this table.

**Table 4. General Working Fund Statement
(UNITED STATES DOLLARS)**

Balances at the beginning of the year		
Quotas Receivable	1,363,820	
Other	<u>1,438,340</u>	<u>2,802,160</u>
 Difference between Income & Disbursements during the year		
Income	7,087,382	
Disbursements	<u>7,234,502</u>	<u>(147,120)</u>
 Balance at the end of the year		
Quotas Receivable	2,067,800	
Other	<u>587,240</u>	<u>2,655,040</u>

**Table 5. Summary of Income and Disbursements of the General Working Fund – 1 July 1975 – 30 June 1976
(UNITED STATES DOLLARS)**

	INCOME		DISBURSEMENTS
Quotas from Member States	7,065,680	BUDGET	
Others	5,702	Line of Action I	717,597
		Line of Action II	852,949
		Line of Action III	375,355
Reimbursement to the General Working Fund, from Quota Budget	16,000	Line of Action IV	1,049,072
		Line of Action V	38,288
		Line of Action VI	547,909
		Line of Action VII	1,068,786
		Other Activities & Services	270,210
		Coordination & Supervision of Programs	382,187
		Executive Offices	609,162
		General Costs & Provisions	242,000
		Equipment (Investments)	34,394
		Contribution (CATIE)	<u>557,000</u>
			6,744,909
		Special Disbursements by Resolutions of the Board of Directors	<u>489,593</u>
TOTAL INCOME	<u>7,087,382</u>	TOTAL DISBURSEMENTS	<u>7,234,502</u>
Reduction-General Working Fund	<u>147,120</u>		
	<u>7,234,502</u>		<u>7,234,502</u>

FIGURE 2

QUOTAS FROM MEMBER STATES

MILLIONS
US\$

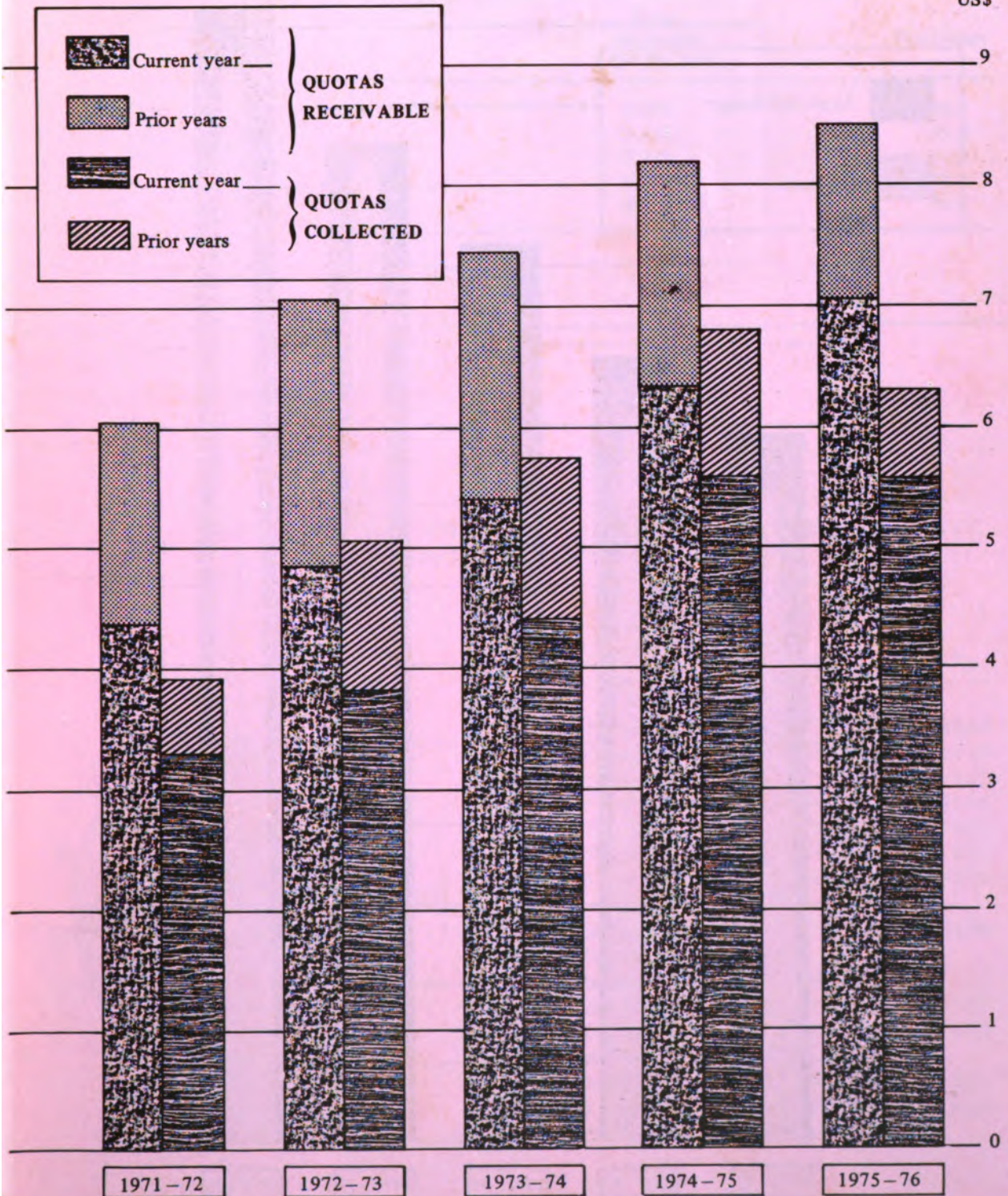
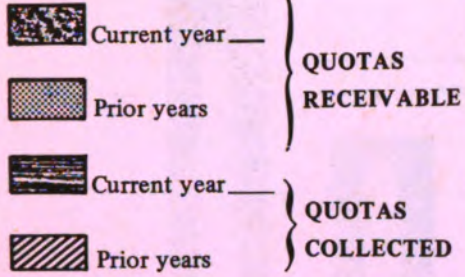
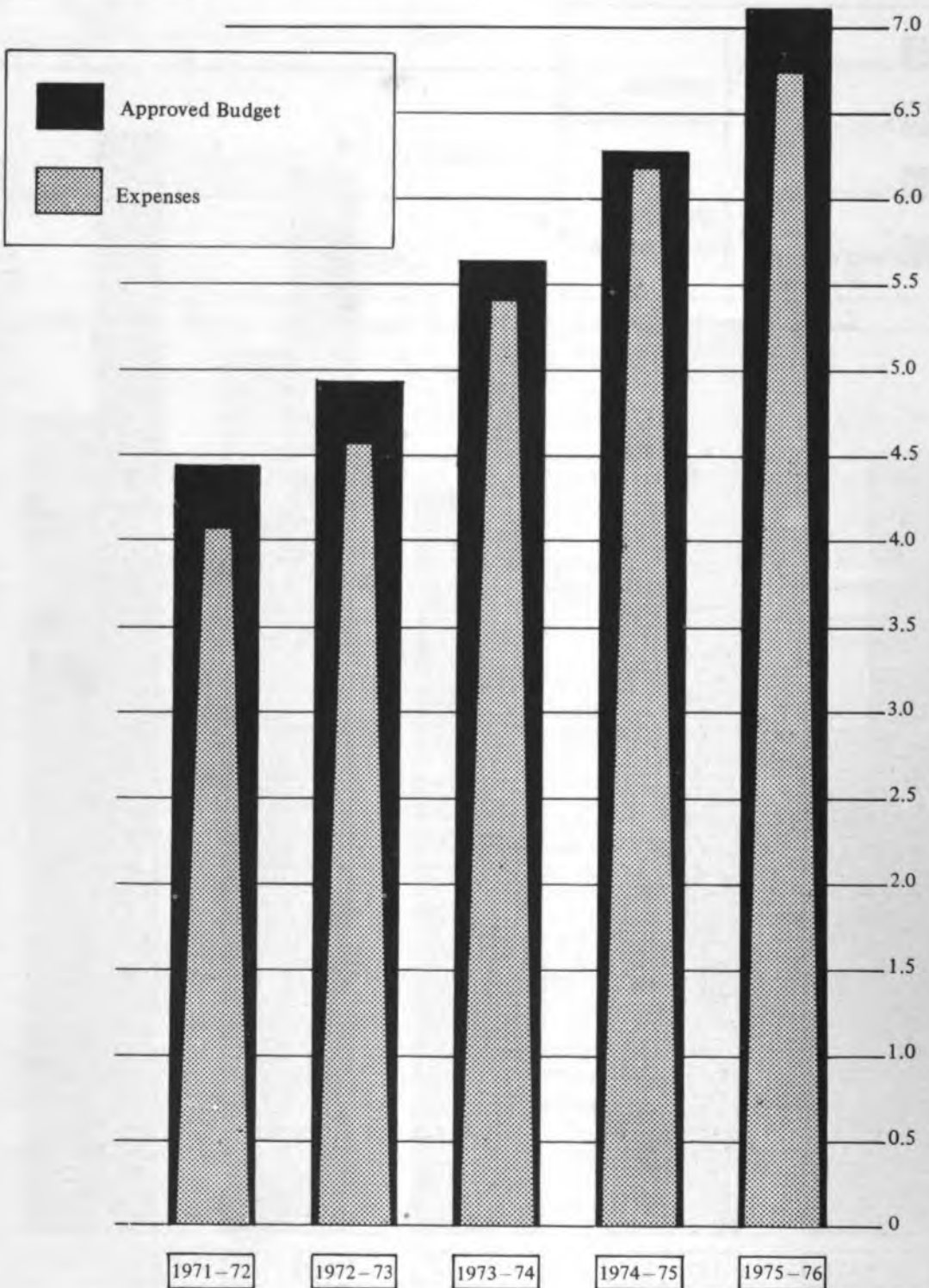


FIGURE 3

PROGRAM BUDGET EXECUTION AS COMPARED TO APPROVED BUDGETS

MILLIONS US\$



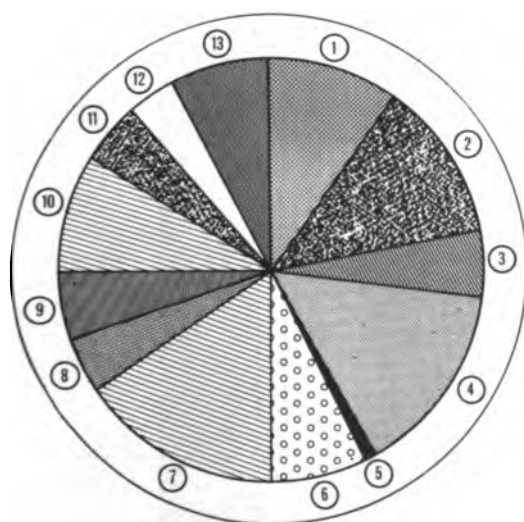
**Table 6. Comparison of Approved Quotas with Collections for the Years 1971-1972 through 1975-1976
(IN THOUSANDS OF DOLLARS)**

Year	Quotas for the year*	Total collections for the year	Percentage
1971-1972	4,425	3,901	88.1
1972-1973	4,982	5,151	103.4
1973-1974	5,550	5,710	102.9
1974-1975	6,320	6,691	105.8
1975-1976	7,063	6,363	90.0

* Does not include the quotas corresponding to Cuba.

FIGURE 4

ACTUAL EXPENSES OF QUOTA FUNDS BUDGET AS PER PROGRAMMING LEVEL



	US\$	%
1. Line of Action I	717,597	10.64
2. Line of Action II	852,949	12.65
3. Line of Action III	375,355	5.57
4. Line of Action IV	1,049,072	15.55
5. Line of Action V	38,288	0.57
6. Line of Action VI	547,909	8.12
7. Line of Action VII	1,068,786	15.85
8. Other Activities and Services	270,210	4.00
9. Coordination and Supervision of Programs	382,187	5.67
10. Executive Offices	609,162	9.03
11. Equipment and Furniture	34,394	0.50
12. General Costs and Provisions	242,000	3.59
13. CATIE Contribution	557,000	8.26

FIGURE 5

SUMMARY OF QUOTA BUDGET EXPENSES

**MILLIONS
US\$**

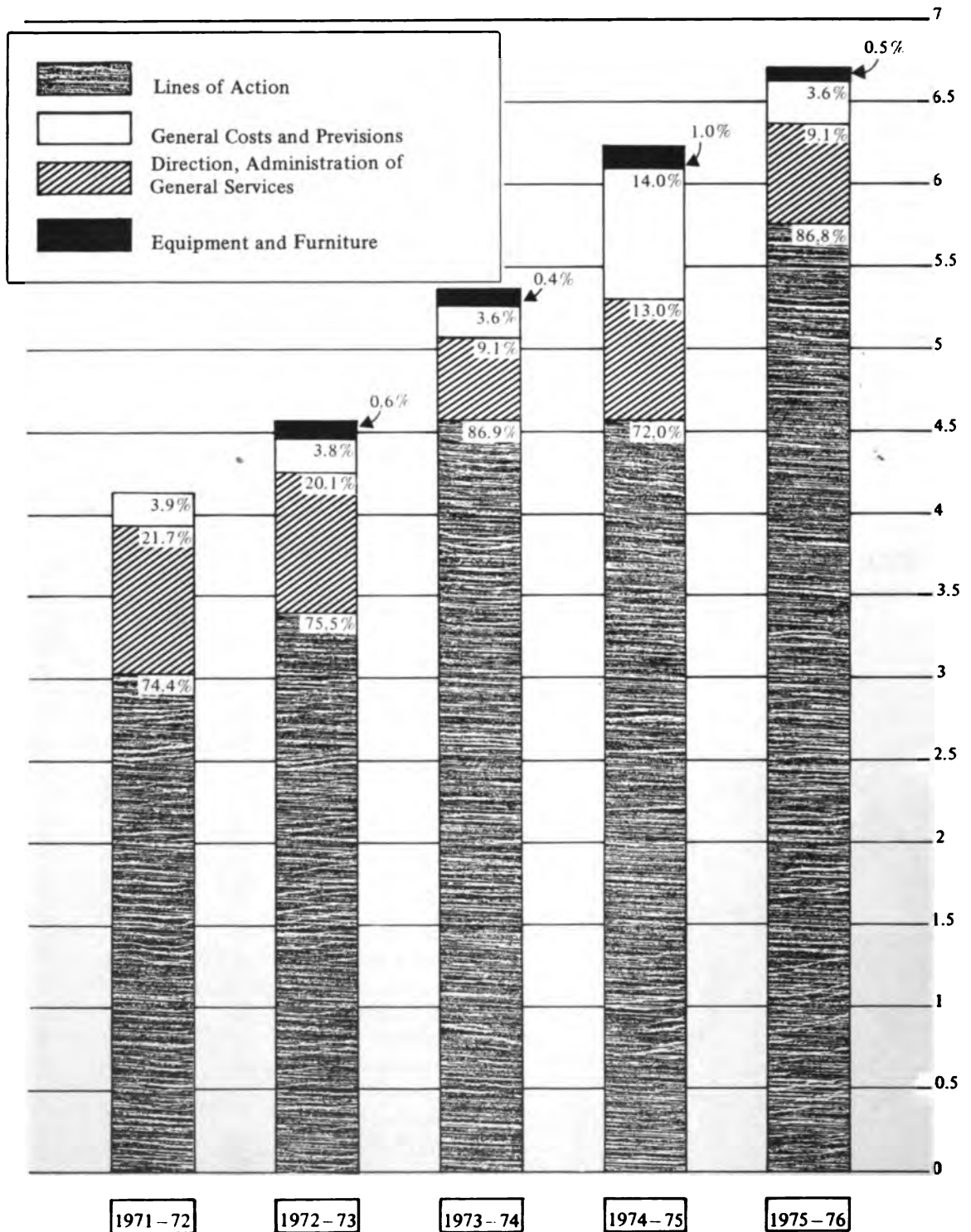


Table 7. Comparative Statement of Approved Annual Budgets and Actual Expenses

(IN THOUSANDS OF DOLLARS)

Fiscal Year	Approved Budget *	Actual Expenses	Percentage
1970-71	4,023	3,849	95.7
1971-72	4,425	4,086	92.3
1972-73	4,982	4,597	92.3
1973-74	5,539	5,436	98.1
1974-75	6,320	6,306	99.8
1975-76	7,063	6,744	95.4

* Does not include quotas corresponding to Cuba.

Table 8. Budget Execution distributed by Level of Programming and Budget Units

(UNITED STATES DOLLARS)

	Andean Zone	Northern Zone	Antilles Zone	Southern Zone	HICA-CIDIA	External Coordin.	Tech. Asst. & Planning	Executive Offices	CATIE	TOTAL
Line of Action I	86,523	60,356	46,502	137,249	287,812	99,155				717,597
Line of Action II	214,190	241,635	83,431	313,693						852,949
Line of Action III	129,637	74,925	19,428	151,365						375,355
Line of Action IV	268,663	249,582	177,433	353,394						1,049,072
Line of Action V	27,960	8,507		1,812						38,288
Line of Action VI	153,347	190,839	77,435	126,288						547,909
Line of Action VII	170,397	156,543	42,338	239,642			459,866			1,068,786
Other Activities & Services	2,341	6,490		7,603		223,430	30,346			270,210
Coordination & Supervision of Programs	129,646	99,553		107,810	45,178					382,187
Executive Offices								609,162		609,162
Equipment (Investments)	1,923	6,669	16,640	4,662			4,500			34,394
SUBTOTAL	1,184,636	1,095,099	463,207	1,443,518	332,990	322,585	494,712	609,162		5,945,909
General Costs & Previsions *	59,629	56,314	24,563	69,720	14,520	7,840	9,414			242,000
CATIE Contribution									557,000	557,000
TOTAL	1,244,265	1,151,413	487,770	1,513,238	347,510	330,425	504,126	609,162	557,000	6,744,909

* Expenses have been distributed according to the percentages presented in the Program-Budget for 1975/1976.

Table 8. Income and Expenditures on Agreements with Governments and Institutions

(UNITED STATES DOLLARS)

	Balance at the beginning of the year	Movement during the year		Balance at the end of the year
		Income	Expenditures	
Description:				
Agreement between the Agrarian Reform and Colonization organizations throughout the Central American Isthmus and IICA, to establish a training program and study on Agrarian Reform (PRACA/IICA)				
Purpose:				
To provide training for different levels of personnel from the national organizations and other collaborating entities, on planning, implementation, administration and evaluation aspects of their agrarian reform and rural development programs				
	5,185	68,000	52,726	20,459
Description:				
Unique, specific agreement between IICA, ODEPA and INIA (replacing previous agreements between the Agricultural and Animal Husbandry Service and IICA) (Chile)				
Purpose:				
To up-date and apply training and technical assistance methodologies. Participation in Rural Administration work and courses. The economic evaluation of technological innovations. To promote and coordinate mutual advisory services between INIA, the agricultural institutions and other national agencies				
	103,730	24	105,066	(1,312)
Description:				
Agreement between the Ministry of Agriculture of Chile, the Ministry of Public Works and Transportation of Chile and IICA on advisory services and collaboration on the program to create districts for the conservation of land and waters				
Purpose:				
To provide technical advisory services and collaborate on the formulation of planning methodologies, personnel training etc., for the program to create districts for the conservation of land and waters through the institutions that comprise the agricultural sector				
	2,555	36,280	35,058	3,777

	Balance at the beginning of the year	Movement during the year		Balance at the end of the year
		Income	Expenditures	

Description:

Agreement with the universities of Chile to establish a permanent graduate program in agricultural and forest sciences

Purpose:

To stimulate and intensify higher agricultural education specialization through graduate training possibilities

(444)	4,924	7,325	(2,845)
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Description:

Agreement between the National University of Colombia and the Colombian Agrarian Reform Institute and IICA, with the aim of establishing an agrarian reform center (INCORA/IICA)

Purpose:

To provide technical training, foster the exchange of communications and cooperate with governments on studying and solving agrarian reform problems in the OAS Member States

(8,123)	38,805	38,910	(8,228)
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Description:

Agreement with the Government of Ecuador between the Ministry of Agriculture and IICA

Purpose:

Reinforce IICA activities in Ecuador and to establish research, university education, rural development and agrarian reform activities in coordination with the Ministry of Agriculture

9,642	46,165	32,054	23,753
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Description:

Agreement between the Ministry of Agriculture and Livestock, the Ministry of Public Works of Venezuela and IICA to install and operate a program of development areas in the Andean Zone (YARACUY/IICA)

Purpose:

To provide advanced training, carry out methodological research studies, provide the OAS Member States with advisory services and publish information on rural development

(859)	34,111	30,863	2,389
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	Balance at the beginning of the year	Movement during the year		Balance at the end of the year
		Income	Expenditures	
Description:				
Agreement between the Government of Colombia and IICA on the national agricultural training program				
Purpose:				
To organize and offer personnel training courses, as needed by the organizations of the agricultural sector	(2,201)	61,379	60,664	(1,486)
Description:				
Memorandum of Understanding between the Ministry of Agriculture of Brazil and the Director General of IICA				
Purpose:				
To coordinate and strengthen the national institutions of Brazil through training, advisory and research services as concern the agricultural development problems of the country through the three basic programs of IICA	8,663	107,642	85,437	30,868
Description:				
Agreement between IICA and the Executive Committee of the Plan for the Economic-Rural Recuperation of Cacao-producing areas (CEPLAC) of Brazil				
Purpose:				
To foster the normal operations of the Cacao Research Center (CEPEC), the research program, and the program to foster cacao production in Brazil	66,785	98,788	131,730	33,843
Description:				
Agreement between the Federal Republic of Brazil and IICA on providing technical assistance to the Irrigation Training Program of the Ministry of the Interior (MINTER)				
Purpose:				
To provide assistance on the formulation, training and evaluation of training plans for technical personnel in irrigated agriculture	129,509	5,124	117,242	17,391
Description:				
Agreement between IICA and the Coordinator Committee for the Agricultural Sector of Honduras (COCO)				

	Balance at the beginning of the year	Movement during the year		Balance at the end of the year
		Income	Expenditures	
Purpose:				
Program to strengthen the agricultural development process in the public sector of Honduras	25,844	49,281	42,429	32,696
Description:				
Agreement between IICA and EMBRAPA-Brazil				
Purpose:				
To defray administrative expenses incurred by IICA for the administration of the EMBRAPA Program in Brazil	<u>43,722</u>	<u>68,062</u>	<u>101,799</u>	<u>9,985</u>
TOTAL	<u><u>384,008</u></u>	<u><u>618,585</u></u>	<u><u>841,303</u></u>	<u><u>161,290</u></u>

**SUMMARY OF THE REPORT BY PRICE WATERHOUSE & CO.
ON THE FINANCIAL STATEMENTS OF IICA**

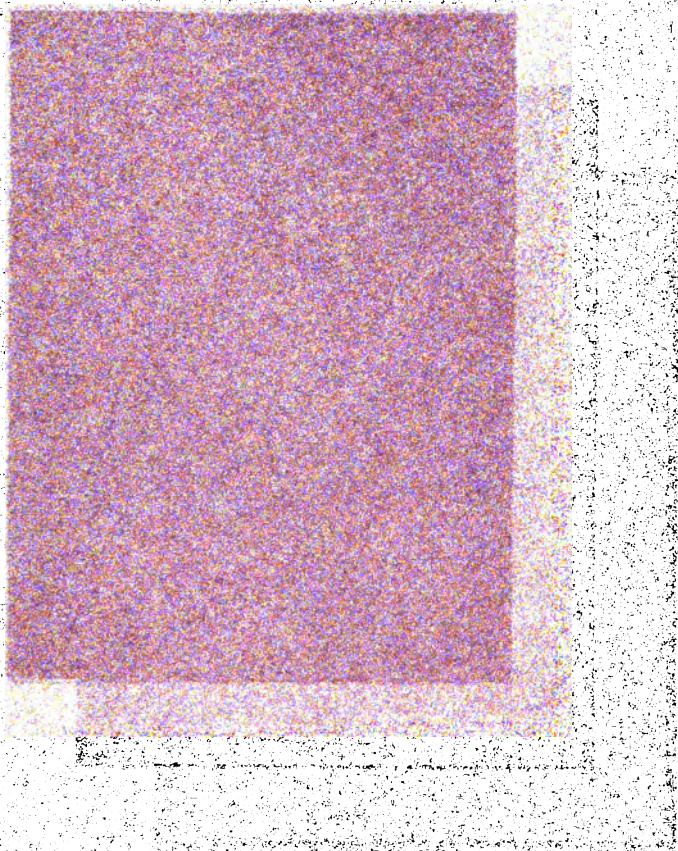
*To the Board of Directors of the
Inter-American Institute of Agricultural
Sciences of the Organization of American
States*

We have examined the accompanying financial statements (Exhibits 1 to 8, inclusive) of the Inter-American Institute of Agricultural Sciences for the year ended June 30, 1976. Our examination was made in accordance with generally accepted auditing standards and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances. In accordance with the instructions of the Director General of the Institute, we did not request direct confirmation from the Member States of the uncollected quotas as at June 30, 1976; however, we were able to satisfy ourselves as to the amounts of these quotas by other auditing procedures.

As indicated in Exhibit 4, the quotas due from some of the Member States are substantially past due. It is not feasible to determine the effect, if any, that this situation could have on the financial statements of the Institute.

In our opinion, subject to the matter mentioned in the preceding paragraph, the accompanying financial statements present fairly the assets and liabilities of the Inter-American Institute of Agricultural Sciences as at June 30, 1976 and the results of its operations for the year then ended, in accordance with the accounting principles explained in Note 1-A, which were applied on a basis consistent with that of the preceding year.

Price Waterhouse & Co.





CONFERENCIA INTERAMERICANA
DE JUVENES RURALES
EL D... 95 ... 2 OCTUBRE

Appendix I

IICA's ACTIVITIES DURING THE
1975-1976 PERIOD

IICA'S ACTIVITIES DURING THE 197~~8~~⁷ PERIOD

The activities described in the following list and ^{summarized} ~~which appear~~ in the Table do not represent the total number of activities carried out by IICA, as many are included as part of others, and some had not been completed ^{by} the end of the period covered by this report. Even with these exceptions, however, the total number of activities carried out by the Institute during this period, is ^{somewhat} considerably greater than the total for last year (⁹⁷⁵ 957 activities within the Lines of Action in the Member States, as compared to ⁹⁵⁹ 910 for last year).

Summary of IICA Activities, by Lines of Action and by Country

LINES OF ACTION

	I	II	III	IV	V	VI	VII	Support Activities	Total/ Country
Argentina	11	4	2	31	—	3	2	6	59
Barbados	—	—	—	—	—	—	—	1	1
Bolivia	1	11	8	10	—	3	4	1	38
Brazil	5	21	12	30	—	—	10	7	85
Colombia	9	13	4	8	—	9	32	4	79
Costa Rica	74	12	—	15	—	5	43	9	158
Chile	7	8	3	9	—	4	—	2	33
Dominican Republic	2	—	—	10	—	2	3	3	20
Ecuador	3	3	2	5	—	5	2	3	23
El Salvador	1	4	3	4	—	5	3	3	23
Guatemala	5	5	2	3	—	2	2	4	23
Haiti	2	4	—	2	—	4	1	3	16
Honduras	2	13	—	8	—	13	5	4	45
Jamaica	1	3	—	6	—	—	2	1	13
Mexico	4	13	—	8	—	4	5	4	38
Nicaragua	2	6	1	5	—	4	4	1	23
Panama	2	4	2	3	—	6	8	3	28
Paraguay	7	6	3	4	—	4	5	1	30
Peru	7	11	14	16	1	2	5	1	57
Trinidad and Tobago	—	—	—	—	—	—	—	1	1
United States	—	—	—	—	—	—	—	1	1
Uruguay	16	4	12	10	—	—	7	1	50
Venezuela	5	15	4	8	—	6	7	4	49
Multinational Activities	9	5	9	10	—	6	21	3	63
Other Countries	—	—	2	1	—	—	—	—	3
TOTAL	175	165	83	206	1	87	171	71	959

ARGENTINA

Line I. Analysis and Information on Rural Development

1. Up-dating a Set of Statistical Indicators concerning Agricultural Development in Argentina (1 July 1975 through 30 June 1976, Buenos Aires). Activity I.S.121
2. Formulation of IICA's Action Plan for Argentina (30 July through 31 December 1975, Buenos Aires). Activity I.S.122
3. Formulation of a Scheme for an Agricultural Institutional System for Argentina (1 July 1975 through 30 June 1976, Buenos Aires). Activity I.S.123
4. Cooperation provided on the Preparation of a draft project for a National Agricultural Information Service (1 July 1975 through 30 June 1976, Buenos Aires). Activity I.S.241
5. Training Personnel in the Operation of Integrated Agricultural Information Services (1 July 1976 through 30 June 1976, Buenos Aires). Activity I.S.242
6. Support provided a Regional Unit of the National Agricultural Information Sub-system (January through June 1976, Corrientes, Res.). Activity I.S.243
7. First National Meeting re: the National Agricultural Information Service (November 12-14, 1975, Buenos Aires). Activity I.S.244
8. Preparation and Publication of a "List of Co-operative Agencies: Agriculture and Related Areas, in Argentina" (August 1975 through March 1976, Buenos Aires). Activity I.S.245
9. Round-table on the National Agricultural Science Information System of SNICA-Argentina (June 28-30, 1976, Buenos Aires). Activity I.S.246
10. Survey of Physical and Human Resources in the Co-operative Centers to form a part of SNICA, Argentina (May-June 1976, Buenos Aires). Activity I.S.247
11. Course on AGRINTER Methodology (November 10-15, 1975, Buenos Aires). Activity I.S.248

Line II. Agricultural Education

1. Cooperation provided DNEA on an Analysis of Agricultural Job-training possibilities, at middle and post-secondary educational levels (November 1975 through June 1976, Buenos Aires). Activity I.I.S.121
2. Support provided the National University of Luján on the Off-campus Training Project (1 July 1975 through 30 June 1976, Luján and Buenos Aires). Activity I.I.S.221
3. Advisory Services provided the National University of Santiago del Estero (September 1975 through June 1976, Buenos Aires and Santiago del Estero). Activity I.I.S.222
4. Collaboration provided the Extension Office of the Sub-secretariat for Agricultural Affairs of La Pampa (October 1975, Santa Rosa, La Pampa). Activity I.I.S.

Line III. Agricultural Research

1. Preparation of Material re: Administration, Planning and Institutional Evaluation Aspects at INTA (1 December 1975 through 30 June 1976, Buenos Aires). Activity III.S.231
2. Seminar on Institutional Management and Direction (June 21-30, 1976, Buenos Aires). Activity III.S.232

Line IV. Fostering Agricultural Production

1. Cooperation provided on Strengthening Technical Assistance Sub-system Agencies (April 19-30, 1976, Saenz Peña). Activity IV.S.171
2. Collaboration provided the Extension Services of La Pampa Province re: their Integration into the National Technological Diffusion System. (September 15 to October 31, 1975, Santa Rosa La Pampa). Activity IV.S.172
3. Cooperation provided INTA on Research into the Use of Mass Media Communications to reach Producers (January through June 1976 Buenos Aires). Activity IV.S.173
4. Cooperation provided INTA on the Organization and Operation of Regional Communication Centers (January through June 1976, Buenos Aires and Balcarce). Activity IV.S.174
5. Collaboration provided the Secretariat of Agriculture on the Organization of a Marketing Information System (1 July 1975 through 30 June 1976, Buenos Aires). Activity IV.S.221

6. Collaboration provided the Ministry of Agriculture of El Chaco on the Organization of an Integral Marketing Information System (1 July 1975 through 30 June 1976, Resistencia). Activity IV.S.223
7. Collaboration provided the Ministry of Agriculture of El Chaco on Marketing Studies for Regional Products (1 July 1975 through 30 June 1976, Resistencia). Activity IV.S.224
8. Collaboration provided the State Secretariat of Trade on the Analysis of a Distribution System for Food Products in the City of Buenos Aires (1 July 1975 through 30 June 1976, Buenos Aires). Activity IV.S.225
9. Collaboration provided the Ministry of Agricultural Affairs of Misiones, on Training Personnel in Marketing (1 July 1975 through 30 June 1976, Misiones). Activity IV.S.226
10. Collaboration provided on Cattle Marketing Studies in the Northeast of Argentina (July through December 1975, Resistencia). Activity IV.S.227
11. Collaboration provided on a Marketing Course at the Faculty of Agronomy of the National University of Buenos Aires (July through December, 1975, Buenos Aires). Activity IV.S.228
12. Collaboration provided CONINAGRO on Marketing Studies (1 July 1975 through 30 June 1976, Buenos Aires). Activity IV.S.229
13. Cooperation provided the Institutional Sub-system Agencies on Methodologies for Preparing and Evaluating Colonization Projects (February through June 1976). Activity IV.S.321
14. Cooperation provided on Strengthening the Colonization Institute of El Chaco (January through June 1976, Resistencia). Activity IV.S.322
15. Cooperation provided on structuring a Provincial Agency of Lands and Colonization, in Misiones Province (January through June 1976, Misiones). Activity IV.S.323
16. Participation in the Formulation and Evaluation of Colonization Projects on state-owned lands in the Province of El Chaco (January through June 1976, El Chaco). Activity IV.S.324
17. Participation in the Formulation and Evaluation of a Colonization Project (January through June 1976, Misiones). Activity IV.S.325
18. Participation in the Formulation and Evaluation of a Colonization Project along the Border Area. (January through June 1976, Misiones). Activity IV.S.326
19. In-service Training for Technicians from the National Land and Waters Conservation and Management Sub-system (1 January through 30 June 1976, Buenos Aires and Pedro Luro). Activity IV.S.421
20. Cooperation provided on the Analysis and Discussion of Alternatives to Improve the Management and Development of Irrigation Areas in Tucuman Province (1 October through 7 November 1975, Tucuman). Activity IV.S.423
21. Cooperation provided on the Analysis and Discussion of Alternatives to Improve the Management and Development of Irrigation Areas in La Pampa Province (15 October through 14 November 1975, La Pampa). Activity IV.S.424
22. Cooperation provided on Up-dating the Legal Rules and Regulations for the Management and Conservation of Land and Waters (1 September 1975 through 30 June 1976, Tucuman and Santa Rosa). Activity IV.S.426
23. Cooperation provided on strengthening Agricultural Hydraulics Education at the National Universities of Buenos Aires and La Pampa (1 September 1975 through 30 June 1976, Buenos Aires and Santa Rosa). Activity IV.S.427
24. High-level Short Course on Tax Structures for Irrigation Works (March 8 through 14, 1976, Buenos Aires). Activity IV.S.428
25. Collaboration provided the National University of Cuyo on an Agricultural Hydraulics Course (October 13-18, 1975, Mendoza). Activity IV.S.429
26. Cooperation provided on Cattle Enterprise Studies in the North-east of Argentina (1 January through 30 June 1976). Activity IV.S.521
27. Cooperation provided on Cattle Enterprise Studies in the Western Winter Region (January through June 1976, Anguil). Activity IV.S.522
28. Cooperation on Cattle Enterprise Studies in the Cordoba-Santa Fe Milk-producing area (1 January through 30 June 1976, Villa María, Cordoba). Activity IV.S.523

X

29. Discussion and Publication of Cattle Enterprise Studies in Argentina (1 January through 30 June 1976, Balcarce). Activity IV.S.524
30. Cooperation on Cattle Enterprise Studies in the General Alvear District (1 January through 30 June 1976, Balcarce). Activity IV.S.525
31. Technical Meeting on Specifically-oriented Credit (March 7-9, 1976). Activity IV.S.621
2. Cooperation provided at the Annual Meeting of ABIEAS (April 5-7, 1976). Activity II.A.212
3. University Administration Workshop (December 1975, La Paz). Activity II.A.213
4. First National Symposium on Agricultural Education Strategy and its role in Rural Development. (April 8-9, 1976, Santa Cruz). Activity II.A.214
5. Advisory Services provided the Faculty of Forestry Engineering at Tarija (August 1975 through May 1976, La Paz and Tarija). Activity II.A.215

Line VI. Promotion and Implementation of Structural Changes

1. Collaboration provided on the Creation of a Technical Advisory Unit for Associative Enterprises, within the Colonization Institute of El Chaco (October 1975, Resistencia, Chaco). Activity VI.S.211
2. Training of Technical Personnel responsible for Associative Enterprises (November 6-7, 1975, Resistencia, Chaco). Activity VI.S.212
3. Formulation of Production and Marketing Associative Enterprises, for Small Producer Areas (1 July 1975 through 30 June 1976, Buenos Aires). Activity VI.S.213
6. Creation and Support provided Educational Exchange Units of Bolivia (1 July 1975 through 30 June 1976, Cochabamba). Activity II.A.216
7. Support provided the Library at the National Technical University of The Altiplano (UNTA) (June 1976, La Paz). Activity II.A.247
8. Meetings of the Project Management and Supervision Committee (June through November 1975, Oruro). Activity II.A.311
9. Support provided on "Campesino" Training for Specific Projects (July through November 1975, Oruro). Activity II.A.313

Line VII. Administration of Agricultural Policy

1. Cooperation provided on the Training of Personnel to Prepare and Evaluate Agricultural Projects (April through June 1976, Resistencia). Activity VII.S.141
2. Participation in the Methodological Analysis and Evaluation of the Agricultural Development Project in the North-east of Argentina (January through June 1976, Buenos Aires and Chaco). Activity VII.S.311
10. Support provided on the Identification and Formulation of Specific Projects (July through November 1975, Oruro). Activity II.A.314
11. Training Workshop for Extension Agents of the Ministry of Agricultural and "Campesino" Affairs (MACA) (May 10-15, 1976 Cochabamba). Activity II.A.319

BOLIVIA

Line I. Analysis and Information on Rural Development

1. Up-dating and Analysis of the Institutional and Development Diagnostic Study of the Agricultural Sector of Bolivia (1 July 1975 through 30 June 1976, La Paz). Activity I.A.111

Line II. Agricultural Education

1. Cooperation provided the National Higher Education Council of Bolivia (CNES) (September-December 1975 and March-May 1976). Activity II.A.211

Line III. Agricultural Research

1. Collaboration provided on Up-dating the Research Projects and Technology Transfer System (September 1975 through June 1976, La Paz). Activity III.A.111
2. The Organization of the Bolivian Institute of Agricultural Technology (February through May 1976, La Paz). Activity III.A.113
3. Training on Research Methodology for MACA Technicians (March 3-20, 1976, Cochabamba). Activity III.A.212

X

4. **In-service Training on Production Systems** (July through December 1975). Activity III.A.311
5. **Support provided on Agricultural Development Activities in Oruro** (1 July 1975 through 30 June 1976, Oruro). Activity III.A.321
6. **Support provided on Agricultural Development Activities of the La Paz and Potosí Department Corporations** (1 July 1975 through 30 June 1976, La Paz and Potosí). Activity III.A.322
7. **Cooperation provided the Development Committee of Chuquisaca on the Formulation of a Forage Seed Production Project, for the Altiplano and Valles** (1 February through 30 June 1976, Sucre). Activity III.A.325
8. **II International Convention on Quenopodiacea** (April 26-29, 1976, Potosí). Activity III.A.333

Line IV. Fostering Agricultural Production

1. **Support provided the Economics and Marketing Division of MACA** (1 July 1975 through 30 June 1976, La Paz). Activity IV.A.111
2. **Collaboration provided on the Formulation and Implementation of Marketing Programs for the National Rice Enterprise** (1 July 1975 through 30 June 1976, La Paz). Activity IV.A.112
3. **Support provided at the Second National Meeting on Marketing Systems** (31 May through 4 June 1976, La Paz). Activity IV.A.113
4. **Study of the National Colonization Institute** (September 1975, La Paz). Activity IV.A.211
5. **Reciprocal training in Colonization; an Ecuadorian Technician in Bolivia** (June 6-19, 1976). Activity IV.A.233
6. **Support provided MACA Technicians and others at a National Irrigation Meeting** (April-May 1976, Cochabamba). Activity IV.A.411
7. **Support provided the Agroindustry Department of the Ministry of Industry, Trade and Commerce** (1 July 1975 through 30 June 1976). Activity IV.A.511
8. **Support provided the Forestry Development Center, on the Establishment of a Planning Unit** (September 1975 through March 1976, La Paz). Activity IV.A.611

9. **Working Meetings on Training Requirements for Forestry Technicians** (February through June 1976, La Paz). Activity IV.A.612
10. **Three technicians trained on the Formulation of Forestry Development Projects.** (5 January through 6 March 1976, La Paz). Activity IV.A.613

Line VI. Promotion and Implementation of Structural Changes

1. **Fostering "Campesino" Organization in the Oruro Project Area** (1 July 1975 through 30 June 1976, Oruro). Activity VI.A.211
2. **Fostering Associative Production Groups.** (1 July 1975 through 30 June 1976, Oruro). Activity VI.A.212
3. **Training a National Team; the Analysis of Methodology to be Used; Establishment of Advisory Services to be provided by IICA; General Organization of Work Program; and Implementation of IICA Advisory Services** (August 1975 through June 1976). Activity VI.A.341

Line VII. Administration of Agricultural Policy

1. **Advisory services provided on Agricultural Projects; Sectorial Planning Office, MACA** (October 1975 and May 1976, La Paz). Activity VII.A.111
2. **Intensive National Course on the Organization and Management of MACA Agencies, at the departmental level** (November 3-7, 1975, La Paz). Activity VII.A.211
3. **Evaluation of the Institutional Implementation Mechanism for Development Policies, for the Bolivian Tropical Regions** (1 July 1975 through 30 June, 1976, La Paz). Activity VII.S.242
4. **Collaboration provided on Programming Projects in Line VI, in accordance with the Technical Policies of IICA for Bolivia** (October 1975, La Paz). Activity VII.P.1510

BRAZIL

Line I. Analysis and Information on Rural Development

1. **Diagnostic Study of Communication Needs for MINTER-related Agencies** (October through December 1975, Brasilia). Activity I.S.291

2. Preparation of a Basic Document on the Current Situation of Social Communications at MINTER (December 1975, Rio de Janeiro and Brasilia). Activity I.S.292
3. Support and Coordination provided on the Implementation of a Parametric Integrated System of Rural Agricultural Information and Documentation (28 July through 4 September 1975, Rio de Janeiro and Brasilia). Activity I.D.125
4. Publication of "Patologia Especial dos Animais Domesticos" (Book by J. Andrade dos Santos) (August 1975, Rio de Janeiro). Activity I.D.329
5. Latin American Seminar on Communications (August 24-29, 1975, Brasilia). Activity I.S.
10. Consolidation of Coordination Mechanisms for the Reciprocal Cooperation Program (1 July 1975 through 30 June 1976, Pôrto Alegre). Activity II.S.281
11. Organization and Participation in Meeting of the Coordinator Council of the Reciprocal Cooperation Program (1 July 1975 through 30 June 1976, Pôrto Alegre). Activity II.S.282
12. Programming and Participation in the Academic Council Meeting of the Reciprocal Cooperation Program (1 July 1975 through 30 June 1976, Pôrto Alegre). Activity II.S.283
13. Advisory Services provided Participant Agencies in the Reciprocal Cooperation Program Agreement (1 July 1975 through 30 June 1976, Pôrto Alegre). Activity II.S.284

Line II. Agricultural Education

1. Collaboration provided the National Training Program for Professors at Higher Education Institutions (PROCAPIES) (July 1975). Activity II.S.131
2. Selection and Guidance of Instructor Teams (June 1975, Rio de Janeiro). Activity II.S.132
3. Organization and Supervision of Higher Education Teaching Methodology Courses and Promotion of Teaching Support Units (July 1975). Activity II.S.133
4. Support provided on Meeting of the Permanent Technical Committees of ABEAS (June 1976, Rio de Janeiro). Activity II.S.171
5. Participation in the XV Annual Meeting of ABEAS (October 1975, Fortaleza). Activity II.S.231
6. Publication of Informative Bulletins and Reports (September through November 1975, Rio de Janeiro). Activity II.S.232
7. Support provided on the Operations of the Executive Secretariat of the IICA/ABEAS Agreement. (1 July 1975 through 30 June 1976, Rio de Janeiro). Activity II.S.233
8. Determination of the Teacher Training Needs and Requirements for Facilities and Equipment, for the Agricultural Engineering Course at UFPEL (April 14-30, 1976, Pelotas). Activity II.S.271
9. Organization and Coordination of a Working Group to Formulate a Project to Strengthen the Agricultural Engineering Course at UFPEL (May 1-11, 1976, Pelotas). Activity II.S.272
14. Publication of a Directory of Professors connected with the Reciprocal Cooperation Program (1 July 1975 through 30 June 1976, Pôrto Alegre). Activity II.S.285
15. Publication of a Collective Catalog of Professors and Courses offered by the Reciprocal Cooperation Program in 1976/77 (1 July 1975 through 30 June 1976, Pôrto Alegre). Activity II.S.286
16. Support provided on the Consolidation of the Initial Programming Phase of the Faculty of Veterinary Sciences (March through May 1976, Pelotas). Activity II.S.291
17. Support provided the Faculty of Veterinary Sciences through a Reciprocal Exchange of Professors (July-August 1975 and January-February 1976, Pelotas). Activity II.S.292
18. Support provided on Planning Integration Actions of the Faculty of Veterinary Sciences and the Communities within its Area of Influence (1 July 1975 through 30 June 1976, Pelotas). Activity II.S.293
19. Advisory Services provided the Department of Botany at the Federal University of Minas Gerais (July-August 1975, Belo Horizonte). Activity II.S.
20. Participation in the Seminar of the Brazilian Association for Tel-Education (November 1975, Rio de Janeiro and Brasilia). Activity II.S.
21. Participation in the IV Congress of Veterinary Medicine at Rio Grande do Sul (July 29, 1975, Pôrto Alegre). Activity II.S.

Line III. Agricultural Research

1. **Advisory Services provided on the Organization and Planning of EMBRAPA**
(1 July 1975 through 30 June 1976, Brasilia). Activity III.S.211
2. **Advisory Services provided on the Implementation of the Technology Diffusion Department of EMBRAPA**
(1 July 1975 through 30 June 1976, Brasilia). Activity III.S.212
3. **Advisory Services provided on the Implementation of an Information and Documentation Department at EMBRAPA**
(1 July 1975 through 30 June 1976, Brasilia). Activity III.S.213
4. **Advisory Services provided on the Implementation of the Technical-Scientific Structure of EMBRAPA**
(1 July 1975 through 30 June 1976, Brasilia). Activity III.S.214
5. **Advisory Services provided on the Organization of a Data Processing Department at EMBRAPA**
(1 July 1975 through 30 June 1976, Brasilia). Activity III.S.215
6. **Advisory Services provided on the Implementation of a Human Resources Department at EMBRAPA**
(1 July 1975 through 30 June 1976, Brasilia). Activity III.S.216
7. **Advisory Services provided on the Formulation of Investment Projects to Strengthen Research in the Central-South of Brazil**
(January through March 1976, Brasilia). Activity III.S.219
8. **Advisory Services provided on the Planning and Administration of Research in Cacao and Other Tropical Crops**
(1 July 1975 through 30 June 1976, Itabuna). Activity III.S.241
9. **Strengthening Research in Plant Breeding in Cacao and other Tropical Crops**
(1 July 1975 through 30 June 1976, Itabuna). Activity III.S.242
10. **Strengthening Research on Diseases of Cacao and other Tropical Crops**
(1 July 1975 through 30 June 1976, Itabuna). Activity III.S.243
11. **Advisory Services provided the Cacao Research Center (CEPEC) and its Research Program in the Amazon Region**
(1 July 1975 through 30 June 1976, Manaus and Belen). Activity III.S.244

12. **Exchange of Technicians**
(1 July 1975 through 30 June 1976). Activity III.S.246

Line IV. Fostering Agricultural Production

1. **Advisory Services provided EMBRAPA on the Implementation of Planning Systems**
(June through December 1975, Brasilia). Activity IV.S.113
2. **Advisory Services provided the Department of Human Resources at SUDENE, on Programming, Coordinating and Implementing the Human Resources Training Project**
(1 July 1975 through 30 June 1976, Recife and Brasilia). Activity IV.S.131
3. **Course on Irrigation for Students, in Cooperation with the Faculty of Agronomy of Medio São Francisco**
(July 1-30, 1975, Petrolina). Activity IV.S.134
4. **Course on Irrigation for Agronomy Students, on the São Gonçalo, PA Project, in Collaboration with the Federal University of Paraíba**
(July 1-30, 1975, São Gonçalo). Activity IV.S.135
5. **Technical Assistance Course in Irrigated Agriculture**
(11 August through 18 September 1975, Petrolina). Activity IV.S.136
6. **Analysis and Evaluation of Irrigation Projects**
(6 October through 7 November 1975, São Desiderico, Ba.). Activity IV.S.137
7. **Course on the Operation and Conservation of Irrigated Areas.**
(March 8-30, 1976, Juazeiro, Ba.). Activity IV.S.138
8. **Preparation and Publication of Technical Bulletins for the Human Resources Training Project**
(1 July 1975 through 30 June 1976, Petrolina and Juazeiro). Activity IV.S.1310
9. **Support provided on the Irrigation Engineering Course at the Federal University of Paraíba**
(November 24-28, 1975, Campina Grande). Activity IV.S.1311
10. **Support provided the Faculty of Agronomy of Medio São Francisco on the Formulation of a Project to Improve the Demonstration Fields of Irrigated Agriculture**
(January through July 1976, Juazeiro). Activity IV.S.1312
11. **A Comparative Study of the Use of Concrete Tubes and cemented Canals in the Transportation and Distribution of Irrigation Waters**
(May through June 1976, Petrolina). Activity IV.S.145

12. Supervision of In-service Training of Technicians from National Agencies in Irrigated Agricultural Research (1 July 1975 through 30 June 1976, Petrolina). Activity IV.S.147
 13. Collaboration provided the Universities of the North-East on the Coordination, Programming and Implementation of Research Work in Irrigated Agriculture (1 July 1975 through 30 June 1976). Activity IV.S.148
 14. Diagnostic Study for Salinity, Alcalinity and Drainage Possibilities in Irrigated Areas (1 July 1975 through 30 June 1976, Petrolina). Activity IV.S.149
 15. Collaboration provided SUDENE on a Diagnostic Study on the Use and Management of Natural Resources in a Watershed in the North-east (May through June 1976, Petrolina). Activity IV.S.1410
 16. Support provided MINTER on the Organization and Coordination of the III National Seminar on Irrigation and Drainage (November 16-22, 1975, Fortaleza). Activity IV.S.156
 17. Cooperation provided on the Study of Cattle Enterprises in an area of Brazil (1 July 1975 through 30 June 1976, Pelotas). Activity IV.S.513
 18. Technical Cooperation provided EMBRATER on Determining Criteria on Accrediting, Linking and Controlling the Technical Assistance Agencies which work in PROAGRO within the Brazilian Technical Assistance and Rural Extension System (5 August through 30 October 1975, Brasilia and Rio de Janeiro). Activity IV.S.611
 19. Preparation of a Document on the Analysis of a National Rural Credit System for Brazil (1 July 1975 through 20 January 1976 Rio de Janeiro and Brasilia). Activity IV.S.611a
 20. Technical Cooperation provided EMBRATER on the Implementation of a Registry and Report System for PROAGRO (5 August through 30 October 1975, Rio de Janeiro and Brasilia). Activity IV.S.612
 21. Technical Cooperation provided COMCRED on the Reformulation of Special Programs for the Application of Rural Credit (30 September 1975 through 30 June 1976, Brasilia). Activity IV.S.613
 22. Technical Cooperation provided COMCRED to Study the Quantification of Financial Resources needed for Rural Credit, as a Function of the Production Lines of the II National Development Plan (1 January through 30 June 1976, Brasilia). Activity IV.S.614
 23. Collaboration provided COMCRED on Human Resources Training, in Rural Social Security (Mexico and Costa Rica) with a view to the Integral Study and Reformulation of the National Rural Security System (October 1975 through April 1976, Brasilia). Activity IV.S.615
 24. Technical Cooperation provided COMCRED on the Preparation of a Document on the Consolidation of Special Rural Programs (1 October 1975 through 30 January 1976, Brasilia). Activity IV.S.617
 25. Collaboration provided COMCRED on the Preparation of a Course to Train Rural Credit Specialists (February 1976, Brasilia). Activity IV.S.6110
 26. In-service Training in Marketing Information, of two Venezuelan technicians in Brazil. (October 4-24, 1975, Brasilia and Belen). Activity IV.A.153
 27. Reciprocal Training (November 23-29, 1975, Manaus). Activity IV.A.251
 28. Seminar on Fostering Low-income Producers to do Better (November 18-19, 1975, Brasilia). Activity IV.S.
 29. Course on Project Preparation in Domestic Sciences, for Rural and Urban Extension (November 24-30, 1975, Pelotas). Activity IV.S.
 30. Basic Ideas for a Project on the Integrated Action of Low-income Producers (November 24-28, 1975, Brasilia). Activity IV.S.
- Line VII. Administration of Agricultural Policy**
1. Advisory Services provided SUPLAN-MA on the Definition of an Agricultural Planning Model (July 1975 through March 1976, Brasilia). Activity VII.S.151
 2. Advisory Services provided SUPLAN-MA on the Revision of Land Policies in the North-east of Brazil (July through December 1975, Brasilia). Activity VII.S.152
 3. Working Group to Formulate Research Directives for Production Systems in the American Tropics (November 24-28, 1975, Manaus). Activity VII.S.222

4. Evaluation of an Institutional Executor Mechanism for the Development Policies of the Brazilian Tropical Regions (1 July 1975 through 30 June 1976, Belen and Brasilia). Activity VII.S.252
5. Advisory Services provided the Executive Coordination of PII-RS (1 July 1975 through 30 June 1976, Pôrto Alegre). Activity VII.S.321
6. Advisory Services provided on the Formulation of a Rural Credit Project (1 July 1975 through 30 June 1976, Pôrto Alegre). Activity VII.S.322
7. Advisory Services provided on the Formulation of a Research and Experimentation Project (1 July 1975 through 30 June 1976, Pôrto Alegre). Activity VII.S.323
8. Advisory Services provided on the Formulation of a Technical Assistance Project (1 July 1975 through 30 June 1976, Pôrto Alegre). Activity VII.S.324
9. Advisory Services provided on the Formulation of an Outline for the Implementation of the Plan for PII-RS, and the Coordination and Institutional Mechanisms for Agencies Responsible for Implementing the Plan (1 July 1975 through 30 June 1976, Pôrto Alegre). Activity VII.S.325
10. Description of the Regional Agricultural Planning Methodology used in PII-RS (1 July 1975 through 30 June 1976, Pôrto Alegre). Activity VII.S.327
5. National Course to Train Agricultural Librarians and Documentalists, 1976 (AGRINTER Methodology) (June 18-26, 1976, Bogota). Activity I.A.212
6. In-service Training in Communications of a Functionary from the Food Ministry (31 May through 20 June 1976, Bogota). Activity I.A.231
7. Library, Bibliographic and Documentation Services for Colombia and Latin America (1 July 1975 Through 30 June 1976, Bogota). Activity I.A.261
8. Specialized Bibliographic Documentation Services on Rural Development (1 July 1975 through 30 June 1976, Bogota). Activity I.A.262
9. Basic Training in Library Science and Automated Documentation Services (1 July 1975 through 30 June 1976, Bogota). Activity I.A.263

Line II. Agricultural Education

COLOMBIA

Line I. Analysis and Information on Rural Development

1. Up-dating and Analysis of the Information available concerning the evolution of Agriculture and of the Institutions in the Agricultural Sector of Colombia (1 July 1975 through 30 June 1976, Bogota). Activity I.A.121
2. Up-dating the Information available on the Structure of the International Technical Cooperation Institutional System in Colombia (1 July 1975 through 30 June 1976, Bogota). Activity I.A.122
3. Formulation of the Country-level Action Plan (1 July 1975 through 30 June 1976, Bogota). Activity I.A.123
4. Advisory Services provided the Agricultural Library of Colombia (1 July 1975 through 30 June 1976, Bogota). Activity I.A.211
1. Support provided the Dean's Office of the ICA Graduate School on the Administration, Planning and Evaluation of the Graduate Program (1 July 1975 through 30 June 1976, Bogota). Activity II.A.111
2. Support provided the Course on Educational Technology for Graduate Students with a Minor in Education (1 July through 30 September 1975, Bogota). Activity II.A.112
3. Support provided the Regular Course of Higher Agricultural Education Methodologies, for Students of the Graduate Program with a minor in Education (January through March 1976, Bogota). Activity II.A.113
4. Support given on the Course in Administration of Higher Agricultural Education Institutions, for Students with a Minor in this area (Graduate Program) (April through June 1976, Bogota). Activity II.A.114
5. Support provide the Course on Student Guidance and Counselling for Graduate Students with a Minor in Teaching Methodology (1 October through 30 December 1975, Bogota). II.A.115
6. Advisory Services provided the Unit of Educational Exchange of the Faculty of Agricultural Sciences, National University of Colombia (1 July 1975 through 30 June 1976, Medellin). Activity II.A.221

7. **Advisory Services** provided the Educational Exchange Unit of the Faculties of Agronomy, Agricultural Economics and Fisheries of the Technical University of Magdalena. (1 July 1975 through 30 June 1976, Santa Marta). Activity II.A.222
8. **Advisory Services and Cooperation** provided the Educational Exchange Unit of the Faculty of Agricultural Sciences of the University of Tolima (1 July 1975 through 30 June 1976, Ibagué). Activity II.A.232
9. **Advisory Services and Cooperation** provided the Educational Exchange Unit of the Faculty of Agricultural Sciences at the University of Nariño (1 July 1975 through 30 June 1976, Pasto). Activity II.A.224
10. **Meeting of Educators to Up-date the Diagnostic Studies and Coordination of Higher Agricultural Education in the Andean Zone** (January 26-30, 1976, Bogotá). Activity II.A.262
11. **Revision and Publication of the Diagnostic Study and the Area Development Plan for the Oruro Project** (11 August through 9 October 1975, Bogotá). Activity II.A.318
12. **Reciprocal Training in the Administration of Extension and Technical Assistance Services** (April 10-15, 1976, Bogotá and Tibaitata). Activity II.A.342
13. **In-service Training for Personnel from the Home Improvement Program of Honduras** (May 1-8, 1976, Caldas, Manizales). Activity II.N.448

Line III. Agricultural Research

1. **Reciprocal Training in Communications Services Management** (November 23-29, 1975, Bogotá). Activity III.A.153
2. **In-service Training of four University Research Directors** (March 8-12, 1976, Bogotá). Activity III.A.221
3. **Seminar on the Application of Socio-economic Aspects to Agricultural Research** (April 21-23, 1976, Bogotá). Activity III.A.222
4. **National Research Congress, at the Colombiana University** (October 12-16, 1975, Popayan). Activity III.A.223

Line IV. Fostering Agricultural Production

1. **Cooperation provided on the Project to Formulate a National Agricultural Marketing Plan** (January through June 1976, Bogotá). Activity IV.A.121
2. **In-service Training of Two Venezuelan Technicians on the Organization and Administration of Storage Centers** (February 22-29, 1976, Bogotá). Activity IV.A.157
3. **Cooperation provided on Colonization Planning Aspects** (August 1975 through June 1976, Bogotá, Arauca, Guapi). Activity IV.A.221
4. **Revision of the Cattle Plan for Traditional Agricultural Areas** (September 1975 through February 1976, Bogotá). Activity IV.A.311
5. **Technical Meeting on the Coordination of the Cattle Plan for Traditional Agricultural Areas** (June 21-24, 1976, Barranquilla). Activity IV.A.312
6. **Collaboration provided ICA on the Analysis of Animal Production Systems** (October 1975 through April 1976, Tibaitata and Bogotá). Activity IV.A.313
7. **Strengthening the Animal Husbandry Agency of INCORA** (February through June 1976, Bogotá). Activity IV.A.314
8. **Seminar on Animal Husbandry Planning** (May 18-21, 1976, Bogotá). Activity IV.A.341

Line VI. Promotion and Implementation of Structural Changes

1. **Institutional Study of Agrarian Reform in Colombia** (1 July 1975 through 30 June 1976, Bogotá). Activity VI.A.111
2. **National Course on Community Enterprises for INCORA.** (October 20 through November 7, 1975, Bogotá). Activity VI.A.112
3. **Technical Cooperation provided INCORA on the Organization and Development of a Productive Structure for Bolivar Project No. 1.** (1 July 1975 through 30 June 1976, Bolivar and Bogotá). Activity VI.A.113
4. **In-service Training in Rural Cadastral Surveys.** (November 10-28, 1975, Bogotá and Risaralda). Activity VI.A.142

5. **In-service Training in Farm Assessment** (November 10-18, 1975, Bogota and Risaralda). Activity VI.A.145
6. **Support provided INCORA on the Formulation of a Methodology to Analyse "Campesino" Community Enterprises** (March 1976, Bogota). Activity VI.A.311
7. **Support provided INCORA on holding an Internal Course-Workshop on the Analysis of "Campesino" Community Enterprises** (29 March through 12 April 1976, Bogota). Activity VI.A.312
8. **Publication of the Course-Workshop Memoirs, on the Organization of "Campesino" Community Enterprises** (May through June 1976, Bogota). Activity VI.A.314
9. **Support provided on Researching Community Enterprises** (March through June 1976). Activity VI.A.344
8. **First Course in Teaching Methodology for Middle levels** (30 June through 12 July 1975, Ibagué). Activity VII.A.311
9. **IV Course on Teaching Methodology for Extensionists** (July 14-26, 1975, Barranquilla). VII.A.314
10. **V Course on Teaching Methodology for Extensionists** (August 1975, Cali). Activity VII.A.315
11. **VI Course in Teaching Methodology for Extensionists** (September 1975, Cali and Bogota). Activity VII.A.316
12. **Methodology Support provided on Holding Courses in Management Techniques for Cattle Farm Administrators** (September through October 1975, Montería and Medellín). Activity VII.A.318

Line VII. Administration of Agricultural Policy

1. **Support provided on Inter-institutional Coordination within the Agricultural Sector of Colombia, in the Area of Sectorial Planning** (July through October 1975, Bogota, Tunja and Bucaramanga). Activity VII.A.121
2. **Cooperation provided on Formulating a Development Plan for Boyoca Department** (1 July 1975 through 30 June 1976, Tunja). Activity VII.A.131
3. **Technical Cooperation provided the Regional Autonomous Corporation of CAUCA** (July through September 1975, Cali). Activity VII.A.132
4. **Support provided the Regional Autonomous Corporation of the Bogota Sabana and the Valleys of Ubaté and Chiquinquirá, on the Organization and Training of Planning Teams** (1 July 1975 through 30 June 1976, Bogota). Activity VII.A.133
5. **Advisory Services provided OPSA on the Formulation of Criteria for the Regionalization in Planning, and the Formulation of Regional Plans** (1 July 1975 through 30 June 1976, Bogota). Activity VII.A.134
6. **Institutional Diagnostic Study of the Animal Husbandry Programming Unit (MAG)** (June 1976, Bogota). Activity VII.A.135
7. **Reciprocal Training in Agricultural Planning** (November 23-29, 1975, Bogota). Activity VII.A.162
13. **Course on Project Methodologies at the Vocational Education level** (February 2-20, 1976). Activity VII.A.319
14. **Support provided on an Agricultural Extension Course** (March 8-19, 1976, Líbano, Tolima). Activity VII.A.3110
15. **Course in Extension Communications** (29 March through 9 April 1976, Bogota). Activity VII.A.3111
16. **Course in Extension Supervision** (2 May through 4 June 1976, Armenia, Quindío). Activity VII.A.3115
17. **Course in Technical Writing for CENICAFE functionaries** (26 April through 1 May 1976, Chinchiná, Caldas). Activity VII.A.3116
18. **Course in Technical Writing for Functionaries from the Agricultural Sector** (May 3-7, 1976, Bogotá). Activity VII.A.3117
19. **Support provided on an Instructor-training Course** (February 23-27, 1976, Bogotá). Activity VII.A.3119
20. **Sixth Course for Permanent Laboratory Technicians** (18 August through 23 October 1975, Bogota). Activity VII.A.321
21. **Course in Agricultural Marketing** (August 11-23, 1975, Medellín). Activity VII.A.322

22. **Course in Statistics and Economic Research Methodology** (February 2-13, 1976, Bogota). Activity VII.A.325
23. **Second Course in Community Enterprises** (20 October through 7 November 1975, Bogota). Activity VII.A.335
24. **Course in Preparing and Evaluating Agricultural Development Projects** (1 August through 26 September 1975, Bogota). Activity VII.A.341
25. **Seminar on Rural Development and Natural Renewable Resources** (June 7-11, 1976, Bogota). Activity VII.A.342
26. **Course on Preparing and Evaluating Reforestation Projects** (17 November through 5 December 1975, Bogota). Activity VII.A.343
27. **Course on the Sociology and Planning of Associative Enterprises** (August 18-30, 1975, Bogota). Activity VII.A.344
28. **Evaluation of the Institutional Executor Mechanism for Development Policies of the Colombian Tropical Regions** (1 July 1975 through 30 June 1976, Bogota). Activity VII.A.262
29. **Meeting with Agricultural Research Regional Coordinators** (September 1975, Bogota and Cali). Activity VII.P.131
30. **Collaboration on Project Programming for Line VI, in Accordance with IICA's Technical Policies for Colombia** (October 1975, Bogota). Activity VII.O.158
31. **Meeting to Establish Technical Policies for Sectorial Planning Purposes** (September 1975, Bogota). Activity VII.P.171
32. **Meeting to standardize methodologies used to formulate the action plan** (September 1975, Bogota). Activity VII.P.181
2. **Organization and Coordination of Input/Output Operations for AGRINTER and AGRIS** (1 July 1975 through 30 June 1976, Turrialba). Activity I.D.122
3. **Formulation of Guidelines for the Organization of Input Operations of National AGRINTER Centers** (July 1975 through May 1976, Turrialba). Activity I.D.124
4. **Preparation of Criteria for the Selection of Documents for Input into AGRINTER and AGRIS** (1 July 1975 through 30 June 1976, Turrialba). Activity I.D.131
5. **Periodic Revision and Up-dating of the Manual on Bibliographic Document Description for the AGRINTER and AGRIS Systems** (1 July 1975 through 30 June 1976, Turrialba). Activity I.D.132
6. **Preparation of a Directory of Corporative Authors in the Countries, for AGRINTER and AGRIS Use** (1 July 1975 through 30 June 1976, Turrialba). Activity I.D.133
7. **Up-dating the Index of the AGRIS Categories Scheme for AGRINTER Application** (1 July 1975 through 30 June 1976, Turrialba). Activity I.D.134
8. **Up-dating and Publication of an Inventory of Periodic Agricultural Publications in Latin America and the Caribbean for AGRINTER and AGRIS** (1 July 1975 through 30 June 1976, Turrialba). Activity I.D.135
9. **Analysis of Terms to be used in an Agricultural Thesaurus for AGRINTER Users** (1 July 1975 through 30 June 1976, Turrialba). Activity I.D.136
10. **Revision of the Translation into Spanish of FAO's Agricultural Sciences Vocabulary** (1 July 1975 through 30 June 1976, Turrialba). Activity I.D.137
11. **Code Equivalences between Subject Categories of AGRIS/AGRINTER and the Dewey Decimal Classification System** (1 July 1975 through 30 June 1976, Turrialba). Activity I.D.138
12. **Translation into Spanish of COSATI's (Committee on Scientific and Technical Information, Washington, D.C.) Standard for Descriptive Cataloging of Government Scientific and Technical Reports - 2 Corporate Author** (July through October 1975, Turrialba). Activity I.D.139

COSTA RICA

Line I. Analysis and Information on Rural Development

1. **Compiling Information on National and Multinational Documentation and Information Policies** (1 July 1975 through 30 June 1976, Turrialba). Activity I.D.113

13. **Formulation of Title Enrichment Regulations for Document Input in the AGRINTER and AGRIS Systems**
(1 October 1975 through 30 June 1976, Turrialba). Activity I.D.1310
14. **Standardization of Common Names for the Trees of Latin America and the Caribbean**
(1 April through 15 June 1976, Turrialba). Activity I.D.1311
15. **Identification and Collection of Documents for AGRINTER/AGRIS Input**
(1 July 1975 through 30 June 1976, Turrialba). Activity I.D.141
16. **Categorizing and Translation of Document Titles for Input into AGRINTER and AGRIS**
(1 July 1975 through 30 June 1976, Turrialba). Activity I.D.142
17. **Bibliographic Description of Documents for Input into AGRINTER and AGRIS**
(1 July 1975 through 30 June 1976, Turrialba). Activity I.D.143
18. **Coding Bibliographic Information for Computer Processing**
(1 July 1975 through 30 June 1976, Turrialba). Activity I.D.144
19. **Participation in the Optical Character Recognition Experiment held by the International Atomic Energy Agency in Austria**
(1 July 1975 through 30 June 1976, Turrialba). Activity I.D.145
20. **Publication of the Latin American and Caribbean Agricultural Index**
(1 July 1975 through 30 June 1976, Turrialba). Activity I.D.151
21. **Organization and Coordination of the Agricultural Bibliographic Data Bank for Latin American and the Caribbean**
(1 July 1975 through 30 June 1976, Turrialba). Activity I.D.153
22. **Publication and Distribution of Specialized Bibliographies**
(1 July 1975 through 30 June 1976, Turrialba). Activity I.D.154
23. **Dissemination of Documents through Photocopy Services**
(1 July 1975 through 30 June 1976, Turrialba). Activity I.D.155
24. **AGRINTER: Origin and Evolution. An Annotated Bibliography**
(15 August 1975 through 30 April 1976, Turrialba). Activity I.D.157
25. **Selection and Acquisition of Documents for the CIDIA Library**
(1 July 1975 through 30 June 1976, Turrialba). Activity I.D.161
26. **Technical Processing and Storing of Documents for the CIDIA Library**
(1 July 1975 through 30 June 1976, Turrialba). Activity I.D.162
27. **Circulation and Loan of Documents**
(1 July 1975 through 30 June 1976, Turrialba). Activity I.D.163
28. **Analysis and Standardization of Subject Headings for Agricultural Libraries**
(1 July 1975 through 30 June 1976, Turrialba). Activity I.D.164
29. **Publication of Four Issues of the Bulletin "Documentation and Information for Agricultural Development"**
(1 July 1975 through 30 June 1976, Turrialba). Activity I.D.171
30. **Compiling Information and Providing Data and Statistics of IICA/CIDIA Activities for the Country Services Series**
(1 October through 18 December 1975, Turrialba). Activity I.D.173
31. **XIX International Course on Agricultural Documentation: Administration of Agricultural Information Systems**
(19 April through 7 March 1976, Turrialba). Activity I.D.211
32. **Up-grading Sessions for Librarians, Documentalists and Agricultural Information Specialists**
(1 July 1975 through 30 June 1976, Turrialba). Activity I.D.212
33. **Courses on the Utilization of Agricultural Information Documentation**
(October 1975 and February through March 1976, Turrialba). Activity I.D.221
34. **Manual for Thesis Preparation, for Faculties of Agronomy**
(1 July 1975 through 30 June 1976, Turrialba). Activity I.D.222
35. **Conferences on the Principles and Importance of Technical Writing at the Technological Institute of Costa Rica**
(May 1976, Cartago). Activity I.D.223
36. **Course in Technical Writing for the UCR/CATIE Graduate Education Program**
(April through June 1976). Activity I.D.224
37. **Support provided the Inter-American Association of Agricultural Librarians and Documentalists**
(1 July 1975 through 30 June 1976, Turrialba). Activity I.D.231

38. Support provided the International Association of Agricultural Librarians and Documentalists (1 July 1975 through 30 June 1976, Turrialba). Activity I.D.232
39. Coordination and Planning of the Textbooks and Educational Materials Series (1 July 1975 through 30 June 1976, San Jose). Activity I.D.311
40. Identification and Encouragement of Authors with Original Texts in Agricultural Education (1 July 1975 through 30 June 1976, San Jose). Activity I.D.312
41. Publication of the Book "Introduction to Plant Pathology" by Dr. Luis Carlos González U. (1 July 1975 through 30 June 1976, San Jose). Activity I.D.328
42. Publication of the Book "Rural Credit" by Jaime Velez H. (1 July 1975 through 30 June 1976, San Jose). Activity I.D.330
43. Publication of Four Numbers of the Journal "Turrialba" (1 July 1975 through 30 June 1976, Turrialba). Activity I.D.331
44. Publication of the Journal "Rural Development in the Americas" (March through July 1976, San Jose). Activity I.D.332
45. Publication of Documents on Communications (1 July 1975 through 30 June 1976, Turrialba). Activity I.D.333
46. Dissemination through Latin America of New Developments in Agricultural Sciences (1 July 1975 through 30 June 1976, Turrialba). Activity I.D.334
47. Critical Analysis of New Books in Agricultural Sciences (1 July 1975 through 30 June 1976, Turrialba). Activity I.D.335
48. Preparation of Material for the 25th. Anniversary of the Journal "Turrialba" (July through December 1975, Turrialba). Activity I.D.336
49. Distribution of IICA Publications (March through June 1976, San Jose). Activity I.D.341
50. Supervision of the Application of the Publication Distribution Manual by the Operative Units of IICA (1 July 1975 through 30 June 1976, Turrialba). Activity I.D.342
51. Promotion and Sale of the Series "Textbooks and Educational Materials", "Institutional Development" and the Specialized Journals of IICA, to the Faculties of Agricultural Sciences in the Andean Zone (1 July 1975 through 30 June 1976, Turrialba). Activity I.D.343
52. Publication of the Book "Introduction to Statistics" by Wilfrido Caballero (October 1974 through November 1975, San Jose). Activity I.D.365
53. In-service Training in AGRINTER Methodology (19 April through 9 May 1976, Turrialba). Activity 243
54. Analysis of the Structure and Functioning of the Institutional System of the Public Agricultural Sector (1 July 1975 through 30 June 1976, San Jose). Activity I.N.111
55. In-service Training in Agricultural Documentation (April through June 1976, San Jose). Activity I.N.222
56. Promotion and Improvement of National, Regional and Hemispheric Levels of Information, through the provision of Support to the Respective National and Regional Units (1 July 1975 through 30 June 1976, San Jose). Activity I.O.111
57. Promotion and Improvement of Information derived from Work Accomplished at the Executive Offices (1 July 1975 through 30 June 1976, San Jose). Activity I.O.112
58. Promotion and Improvement of Information for the Local and International Press (July 1975, San Jose). Activity I.O.113
59. Collaboration provided the Different Units of the Executive Offices on the Design, Editing and Publication of Documents (1 July 1975 through 30 June 1976, San Jose). Activity I.O.114
60. Design, Writing Up, Editing and Publication of the Annual Report for 1975, in both Spanish and English (August through December 1975, San Jose). Activity I.O.115
61. Design, Editing and Publication of numbers 9 and 10 of the Official Documents Series in English and Spanish; Resolutions and Documents of the Fourteenth Annual Meeting of the Board of Directors; and Implementation of the General Plan of IICA (July through September 1975, San Jose). Activity I.O.116

62. Design, Editing and Publication of the Brochure "Inter-American Agricultural Medal 1975", in English and Spanish (September through October 1975, San Jose). Activity I.O.117
63. Design, Editing and Publication of the Brochure "A Hemispheric and Humanistic Projection", in Spanish and English (July through August 1975, San Jose). Activity I.O.118
64. Writing, Editing, Design and Publication of Four Numbers of the Quarterly Bulletin "IICA in the Americas" (1 July 1975 through 30 June 1976, San Jose). Activity I.O.119
65. Preparation and Publication of the Covers and Chapter Divisions in Three languages, for the Reports of the Technical Advisory Council and Board of Directors Meetings (April 1976, San Jose). Activity I.O.1110
66. Translation into English of all Documents Published at the Executive Offices (1 July 1975 through 30 June 1976, San Jose). Activity I.O.1111
67. Editing and Publication of the Report on Project 206 (September 1975, San Jose). Activity I.O.1112
68. Preparing Official Reports which the Executive Offices sends out to the Authorities of the Inter-American System and the Member States (1 July 1975 through 30 June 1976, San Jose). Activity I.O.115
69. Maintenance of a Photographic File at the Executive Offices (1 July 1975 through 30 June 1976, San Jose). Activity I.O.1115
70. Maintenance of a Press Information File on IICA activities (1 July 1975 through 30 June 1976, San Jose). Activity I.O.1116
71. Supervision Programming and Execution of all Printshop work at IICA (1 July 1975 through 30 June 1976, San Jose). Activity I.O.1117
72. Establishing Permanent Contact with the Public Information Agencies of the Agricultural Sector of the Member States, through the different Units of IICA (1 July 1975 through 30 June 1976, San Jose). Activity I.O.123
73. Compiling Information, Writing up and Publication of 51 numbers of IICA's Internal Bulletin (1 July 1975 through 30 June 1976, San Jose). Activity I.O.131
74. Structuring the Internal Information Procedures for IICA (1 July 1975 through 30 June 1976, San Jose). Activity I.O.133

Line II. Agricultural Education

1. In-service Training of Professors from the National School of Agriculture and Animal Husbandry of Nicaragua (10 May through 9 June 1976, Turrialba). Activity II.N.251
2. Support provided on holding an Institutional Study of the Faculty of Agronomy at the University of Costa Rica (1 July 1975 through 30 June 1976, San Jose). Activity II.N.261
3. Collaboration provided on Agricultural Economics Education, Faculty of Agronomy at the University of Costa Rica (1 July 1975 through 30 June 1976, San Jose). Activity II.N.262
4. Collaboration provided on Training Aspects and Advisory Services provided the Plant Sciences School at the University of Costa Rica (1 July 1975 through 30 June 1976, San Jose). Activity II.N.263
5. Collaboration provided the Faculty of Agronomy of the University of Costa Rica, on Research Aspects (1 July 1975 through 30 June 1976, San Jose). Activity II.N.264
6. Advisory Services provided in Research Biometrics at the Faculty of Agronomy at the University of Costa Rica (July 1975 through February 1976, San Jose). Activity II.N.265
7. Promotion and Support on University Extension Activities provided the Faculty of Agronomy at the University of Costa Rica (1 July 1975 through 30 June 1976, San Jose). Activity II.N.266
8. Technical Collaboration provided the Ministry of Agriculture and Animal Husbandry (1 July 1975 through 30 June 1976, San Jose). Activity II.N.267
9. Provision of Advisory Services in Marketing to the School of Agricultural Economics at the University of Costa Rica (1 July 1975 through 30 June 1976, San Jose). Activity II.N.268
10. Advisory Services provided the Extension Service on its Organization (April 26-30, 1976, San Jose). Activity II.N.411

11. Help provided the Extension Services on an Analysis of its Relations and Coordination with other MAG Dependencies and Other Sectorial Agencies
(1 July 1975 through 30 June 1976, San Jose). Activity II.N.412
 12. Cooperation provided the Extension Service on the Formulation of a Training Project for Personnel for the Agricultural Sector
(2 January through 30 June 1976, San Jose). Activity II.N.413
- Line IV. Fostering Agricultural Production**
1. Support provided on Training in Communications
(1 July 1975 through 30 June 1976, San Jose). Activity IV.N.111
 2. Advisory Services provided on the Organization of the Publications Department of the Ministry of Agriculture and Animal Husbandry
(August 25-29, 1975, San Jose). Activity IV.N.112
 3. Provision of Advisory Services on the Development of Projects related to Research on Pulses and Seed Production
(July 1975 through May 1976, San Jose and Guanacaste). Activity IV.N.114
 4. Technical Advisory Services provided on the Evaluation of the National Basic Grains Program for 1975
(1 July through December 1975). Activity IV.N.116
 5. Provision of Technical Advisory services on Preparing Instruments for Programming, Controlling and Evaluating the National Basic Grains Program to Ensure its Proper Implementation at Regional and Local levels
(1 July through 30 September 1975, San Jose). Activity IV.N.118
 6. Cooperation provided on the Improved Supply of Critical Inputs to increase Basic Grains Production
(September through November 1975, San Jose). Activity IV.N.119
 7. Provision of Advisory Services in Cultivation Techniques for Pulses
(July 1975 through May 1976). Activity IV.N.1110
 8. Strengthening Centralized Marketing Planning Systems
(1 July 1975 through 30 June 1976, San Jose). Activity IV.N.311
 9. Cooperation provided Marketing Training Agencies
(1 July 1975 through 30 June 1976, San Jose). Activity IV.N.313
 10. Technical Cooperation provided the Agencies responsible for Marketing (and corresponding Problems) for Small Agricultural Producers and "Campesinos" and their Organizations
(July through December 1975). Activity IV.N.314
 11. National Technical Meeting of Short and Medium Range Agroindustrial Development Perspectives in Costa Rica
(June 1976, San Jose). Activity IV.N.315
 12. Cooperation provided the National Commission for the Development of the Lower Tempisque Watershed, on Preparing a Training and Research project
(July through December 1975, San Jose). Activity IV.N.511
 13. Study of Institutional Aspects for the Administration of Irrigation Districts
(January through April 1976, San Jose). Activity IV.N.512
 14. Watershed Conservation
(1 July 1975 through 30 June 1976, Guanacaste and Turrialba). Activity IV.N.513
 15. First National Course on the Conservation and Management of Land and Water Resources
((3 May through 5 June 1976, Turrialba). Activity IV.N.514
- Line VI. Promotion and Implementation of Structural Changes**
1. Series of Conferences on Agrarian Reform for Legislature Functionaries
(July 28-31, 1975, San Jose). Activity VI.N.139
 2. National Seminar on Agrarian Reform for the Professional Employees Union of the Ministry of Agriculture and Animal Husbandry
(28 July through 2 August, 1975, San Jose). Activity VI.N.139a
 3. Institutional Analysis of ITCO and Recommendations for its Restructuring
(1 July 1975 through 30 June 1976, San Jose). Activity VI.N.211
 4. Cooperation provided the ITCO Planning Office on Strengthening its Operational Functions
(1 July 1975 through 30 June 1976, San Jose). Activity VI.N.213
 5. Collaboration provided ITCO on Activities in Support of "campesino" Organization
(1 July 1975 through 30 June 1976). Activity VI.N.215

Line VII. Administration of Agricultural Policy

1. Participation of a Dominican Technician in a Seminar on Seed Pathology (January 18-24, 1976, San Jose). Activity VII.L.126
2. Publication of the Quarterly Bulletin "Development of the American Tropics" (1 July 1975 through 30 June 1976, Turrialba). Activity VII.S.211
3. Publication of Selected Bibliographies (1 July 1975 through 30 June 1976, Turrialba). Activity VII.S.212
4. Up-to-Date Information Alert Service (1 July 1975 through 30 June 1976, Turrialba). Activity VII.S.213
5. Retrieving and Cataloging Agricultural Information on the American Tropics (1 July 1975 through 30 June 1976, Turrialba). Activity VII.S.214
6. Graduate Training of Bolivian Personnel - "Tropicos" Program (July 1975 through April 1976, Turrialba). Activity VII.S.243
7. Graduate training of Colombian Personnel - "Tropicos" Program (July through October 1975, Turrialba). Activity VII.S.263
8. Graduate training of Ecuadorian Personnel - "Tropicos" Program (July through October 1975, Turrialba). Activity VII.S.273
9. Preparing Agricultural Education Instruments (July through October 1975, San Jose). Activity VII.P.111
10. Preparing Extension Coordination Instruments (July through December 1975, San Jose). Activity VII.P.121
11. Evaluation of Agricultural Research Projects (August 1975 through June 1976, San Jose). Activity VII.P.133
12. Preparation of a Document on Technical Policies for the Hemispheric Marketing Program (1 July 1975 through 30 June 1976, San Jose). Activity VII.P.141
13. Coordination of Activities related to the Publication of a Research Study of MSU/HAMP on Marketing Systems in Latin America (July through December 1975, San Jose). Activity VII.P.146
14. Evaluation Meeting of Case Studies to be conducted jointly with FAO (December 1975 Turrialba). Activity VII.P.1511
15. Meeting of Management advisors of the Regional Offices, and the Management Program Specialists (September 1975, San Jose). Activity VII.P.161
16. Determining the Necessary Steps to Ensure IICA's Progressive Actions (January through March 1976, San Jose). Activity VII.P.192
17. Collaboration provided on the Formulation of Operative Program Proposals of all the Units at the Executive Offices (July 1975, San Jose). Activity VII.P.211
18. Revision and Consolidation of the 1975-76 Operative Program (July 1975, San Jose). Activity VII.P.212
19. Consolidation and Preparation for Publication of the 1975-76 Operative Program Synthesis (August 1975, San Jose). Activity VII.P.213
20. Elaboration and Presentation for Approval by the Director General of an Instrument on Operative Programming Modifications (September 1975, San Jose). Activity VII.P.214
21. Analysis of the 1976-77 Operative Program Proposals (December 1975 through January 1976, San Jose). Activity VII.P.215
22. Minutes of Programming Meetings - Budget Unit (April 1976, San Jose). Activity VII.P.217
23. Participation in an Analysis of Transfer Requests between Budget Items (1 July 1975 through 30 June 1976, San Jose). Activity VII.P.218
24. Collaboration provided the Director General on the Elaboration of the Program-Budget (1 July 1975 through 30 June 1976, San Jose). Activity VII.P.221
25. Collaboration provided on the Elaboration of Program-Budget Proposals at the Executive Offices and External Coordination (August 1975, San Jose). Activity VII.P.223
26. Revision of the Descriptive Sections of Programs and Project Titles (September 1975, San Jose). Activity VII.P.224
27. Analysis and Confrontation of the Budget Sections in the Proposal (September 1975, San Jose). Activity VII.P.225
28. Preparation of a Draft Program-Budget for 1976-77 (September through October 1975, San Jose). Activity VII.P.226

29. Participation in the Analysis of the Draft Program-Budget (October 1975, San Jose). Activity VII.P.227
30. Design, Translation and Publication of the 1976-77 Program-Budget Proposal December 1975 through January 1976, San Jose). Activity VII.P.229
31. Elaboration of Analytical Tables to Facilitate the Study of the Proposed Program-Budget (March 1976, San Jose). Activity VII.P.2210
32. Collaboration provided the Director General on the Introduction of Adjustments to the Proposed Program-Budget, in Accordance with the Corresponding Resolution of the Board of Directors (May 1976, San Jose). Activity VII.P.2212
33. Permanent and Up-dated Registry of all Current Agreements between IICA and National and/or International Agencies (1 July 1975 through 30 June 1976, San Jose). Activity VII.P.231
34. Preparation of Instructions on the Establishment of Budget Programming Regulations and the Registry of Outside Funds (August 1975, San Jose). Activity VII.P.232
35. Control and Timely Receipt and Analysis of Work Programs Financed with outside Funds (1 July 1975 through 30 June 1976, San Jose). Activity VII.P.233
36. Organization and Getting Underway of a Registry and Files System for Evaluation Reports (1 July 1975 through 30 June 1976, San Jose). Activity VII.P.241
37. Design of an "Ex-Ante" System to Analyse Programs, Projects and Activities (1 June 1975 through 30 June 1976, San Jose). Activity VII.P.242
38. Design of an "Ex-Post" System to Analyse Program, Project, Activity and Zone and Country Reports (1 July 1975 Through 30 June 1976, San Jose). Activity VII.P.243
39. Meeting on the Scope and Functions of Internal Evaluation (July 1975 through January 1976, San Jose). Activity VII.P.244
40. Meeting on Methodologies for Planning and Report Analysis (July 1975 through January 1976, San Jose). Activity VII.P.245
41. Meeting on Evaluation Results Activity VII.P.246
42. Organization and Coordination of Evaluation Activities (1 July 1975 through 30 June 1976, San Jose). Activity VII.P.251
43. Joint Meeting of Evaluation Teams (1 July 1975 through 30 June 1976, San Jose). Activity VII.P.252

CHILE

Line I. Analysis and Information on Rural Development

1. Analysis of the Situation and Tendencies of the Agricultural Sector (1 July 1975 through 30 June 1976, Santiago). Activity I.S.141
2. Information and Analysis of the Institutions responsible for Rural Development in Chile (1 July 1975 through 30 June 1976, Santiago). Activity I.S.142
3. Formulation of IICA's Action Plan for Chile (October 1975 through March 1976, Santiago). Activity I.S.143
4. Advisory Services provided on Scientific Communication, for the Creation of Support Units (February 11-17, 1976, Santiago). Activity I.S.211
5. Up-grading Course in Agricultural and Forestry Information for Librarians from Basic Units (25 August through 5 September 1975, Santiago). Activity I.S.214
6. Support provided on the Legal Establishment of an Agricultural and Forestry Documentation and Information Sub-System in Chile (1 July 1975 through 30 June 1976, Santiago). Activity I.S.214
7. Visit for Coordination Purposes, Chile (August 5-8, 1975, Santiago). Activity I.D.126

Line II. Agricultural Education

1. Collaboration provided on the Functional and Institutional Analysis of the Educational System of the Rural Sector in Chile (1 July 1975 through 30 June 1976, Santiago). Activity II.S.141
2. Fostering Inter-institutional Coordination and Increased Efficiency in the Utilization of Developing Resources (1 July 1975 through 30 June 1976, Santiago). Activity II.S.142

3. Support provided to strengthen the Permanent Advisory Committee for Agricultural and Forestry Sciences, of the Chilean Universities Rectors' Council, on Developing the Sub-system (1 July 1975 through 30 June 1976, Santiago). Activity II.S.143
4. Advisory Services and Support provided on the Coordination of the Permanent Graduate Program (1 July 1975 through 30 June 1976). Activity II.S.211
5. Implementation of Developing Graduate Courses (1 July 1975 through 30 June 1976). Activity II.S.212
6. Seminar on the Evaluation of Course Directors, Professors and Counsellors (30 March through 1 April 1976, Quilpué). Activity II.S.213
7. Advisory Services provided on the Planning and Development of Short, Middle- and University-level Courses on Horticultural Production (1 July 1975 through 14 May 1976, Quillota and Valparaiso). Activity II.S.243
8. National Meeting of University Professors of Fruiculture, Horticulture, Viticulture, Ornamental Plants, Fruit and Vegetable Crops Technology, Wine-making and Post-harvesting procedures (January through June 1976, La Leonera). Activity II.S.244
2. III Meeting of the Advisory Council for the Conservation and Management of Land and Waters Program (May 24-28, 1976, Santiago). Activity IV.S.412
3. Strengthening the Governing Body of Irrigation Policies (1 July 1975 through 30 June 1976, Santiago). Activity IV.S.431
4. Fourth Course on the Operation, Maintenance and Development of Irrigation Areas, at the level of specialists (April-May 1976, Parral, Linares). Activity IV.S.432
5. Support provided on legislation concerning the Conservation of Natural Renewable Resources (1 July 1975 through 30 June 1976, Santiago). Activity IV.S.433
6. Collaboration on and Participation in the Seminar on Legal Environmental Protection (October 27-31, 1975, Valdivia). Activity IV.S.434
7. Support provided on the strengthening of the Technical-Administrative Organization of the Pilot District for the Conservation and Management of Land and Waters (Digua) (1 July 1975 through 30 June 1976, Digua, Parral). Activity IV.S.451
8. Socio-economic Study of the Digua Irrigation District (1 July 1975 through 30 June 1976, Digua, Parral). Activity IV.S.452

Line III. Agricultural Research

1. Support provided INIA on the Organization and Operation of an Economics Unit (1 July 1975 through 30 June 1976). Activity III.S.251
2. Advisory Services provided on the Formulation and Diffusion of Production Systems and Technological Packets (1 July 1975 through 30 June 1976). Activity III.S.252
3. Economic Analysis of Agricultural Production, with a Systems Approach (1 July 1975 through 30 June 1976). Activity III.S.253

Line IV. Fostering Agricultural Production

1. Support provided on the Organization and Coordination of the III Meeting of the Advisory Council for the Conservation and Management of Land and Waters Program (May 23-28, 1976, Santiago). Activity IV.S.157

9. Collaboration provided on the Series of Conference on "Irrigation Planning, at the Farm Level" at the School of Agriculture, University of Concepción (23 October through 18 December 1975, Chillan). Activity IV.S.453

Line VI. Promotion and Implementation of Structural Changes

1. Cooperation and Advisory Services provided on "Campesino" Training Programs (1 July 1975 through 30 June 1976, Santiago). Activity VI.S.131
2. In-service Training of Inter-disciplinary Teams on Planning and Programming the Integral Development of Agrarian Reform Areas (1 June through 31 December 1975). Activity VI.S.134
3. In-service Training for CORA Personnel on Allocation Projects (1 July 1975 through 30 June 1976). Activity VI.S.135

4. In-service Training for CORA Personnel and "Campesinos" on Irrigation Methods (12 February through 18 March 1976, Digua, Linares). Activity VI.S.136

DOMINICAN REPUBLIC

Line I. Analysis and Information on Rural Development

1. Perfecting the Country-level Action Plan for the Dominican Republic (1 July 1975 through 30 June 1976, San Domingo). Activity I.L.121
2. Diagnostic Study of the Libraries and Documentation Services in the Country (March 1-5, 1976, Santo Domingo). Activity I.L.161

Line IV. Fostering Agricultural Production

1. Institutional Diagnosis of the Credit Situation in the Dominican Republic (5 October through 11 December 1975, Santo Domingo). Activity IV.L.121
2. Collaboration provided on the Diagnostic Study of the Agricultural Marketing System in the Dominican Republic (1 July 1975 through 30 June 1976, Santo Domingo). Activity IV.L.231
3. Collaboration provided on the Organization of Training Courses and Seminars in Agricultural Marketing (March through April 1976, La Cumbre, Puerto Plata). Activity IV.L.232
4. Strengthening the System to Compile and Disseminate Information on Marketing Prices, for the State Secretariat of Agriculture (1 July 1975 through 30 June 1976, Santo Domingo). Activity IV.L.233
5. Collaboration provided on Restructuring the Marketing Division of the State Secretariat of Agriculture (November 1975 through June 1976, Santo Domingo). Activity IV.L.234
6. Collaboration provided on a Practical Inter-institutional Coordination System (1 July 1975 through 30 June 1976, Santo Domingo). Activity IV.L.235
7. Technical Cooperation provided the Departments of Special Studies and Marketing of INESPRES (1 July 1975 through 30 June 1976, Santo Domingo). Activity IV.L.236
8. Advisory Services provided the Engineering Department of INESPRES (March 1976, Santo Domingo). Activity IV.L.237

9. Inventory and Typification of Agricultural Organizations (January through May 1976, Santo Domingo). Activity IV.L.238

10. Development of Marketing Research Methodologies (July 1975 through April 1976, Santo Domingo). Activity IV.L.239

Line VI. Promotion and Implementation of Structural Changes

1. Support provided on the Study of Results from the Collective Rice Settlements of the Dominican Agrarian Institute (1 July 1975 through 30 June 1976). Activity VI.L.222
2. Classification of the "Campesino" Organizations and Associations in the Dominican Republic (1 May through 15 June 1976, Santo Domingo). Activity VI.L.225

Line VII. Administration of Agricultural Policies

1. Cooperation provided on the Formulation of a General Plan and Working Program for the FEDA/IICA Agreement, including Possible Later Adjustments (July 1975 through January 1976, Santo Domingo and San Cristobal). Activity VII.L.121
2. Analysis of the Research, Extension and Training Under-Secretariat, and Training in Institution Building (January 1976, Santo Domingo and San Cristobal). Activity VII.L.122
3. Direct Advisory Services in Extension on the Formulation of a Diagnostic Study of the Extension Services; the Establishment of Extension Methods; Group Dynamics Course and the Organization of the Extension and Training Office for the Under-Secretariat of Research, Extension and Training (SEIEC) (January through June 1976, Santo Domingo). Activity VII.L.125

ECUADOR

Line I. Analysis and Information on Rural Development

1. Up-dating and Analysis of Information concerning the Evolution of Agriculture and the Institutions of the Agricultural Sector of Ecuador (September 1975 through June 1976, Quito). Activity I.A.131
2. Cooperation provided the Agricultural Information Agencies of Ecuador on structuring the National AGRINTER System (January through March 1976, Quito). Activity I.A.221

3. Advisory Services provided the Inter-American Association of Agricultural Librarians and Documentalists (AIBDA/Ecuador), fostering Interest in the Annual Meetings (January through June 1976, Quito). Activity I.A.224

Line II. Agricultural Education

1. Planning Seminar for the Faculty of the Agricultural Engineering and Veterinary Medicine, Central University of Quito (June 7-11, 1976, Quito). Activity II.A.236
2. Cooperation provided the Rural Development Office of the Ministry of Agriculture, on the Orientation, Organization and Implementation of Projects (July 1975 through February 1976, Quito). Activity II.A.331
3. Cooperation provided the Rural Development Office at MAG on the Organization of the First National Course on "Campesino" Training in Ecuador (December 8-19, 1975, Cayambe). Activity II.A.332

Line III. Agricultural Research

1. Cooperation provided on the Coordination of Agricultural Research (1 August through 21 November 1975, Quito). Activity III.A.121
2. Training in Methods for Evaluating Agricultural Research (October 19-31, 1975, Quito). Activity III.A.233

Line IV. Fostering Agricultural Production

1. Diagnostic Study of the Agricultural Marketing Service Operations in Ecuador (1 July 1975 through 30 June 1976, Quito). Activity IV.A.131
2. Technical Cooperation provided the Head Marketing and Enterprises Office (DCE) of MAG, and the National Warehouse and Marketing Enterprise (ENAC) (1 July 1975 through 30 June 1976, Quito). Activity IV.A.132
3. National Course on Agricultural Marketing for Functionaries from Public Marketing Enterprises (30 April through 5 May 1976, Quito, and May 3-5, 1976, Guayaquil). Activity IV.A.133
4. Technical Cooperation provided the Animal Husbandry Office of MAG on Sheep Projects (February 23-28, 1976, Quito). Activity IV.A.321

5. Course on Irrigation Operation and the Systematic Use of Lands, for CEDEGE and other Related Agencies (November-December 1975). Activity IV.A.421

Line VI. Promotion and Implementation of Structural Changes

1. National Course on the Formulation and Evaluation of Agricultural Projects (20 October to 14 November 1975, Ambato). Activity VI.A.122
2. Technical Cooperation provided the Ecuadorian Institute of Agrarian Reform and Colonization and MAG on the Orientation of Research into on-going "Campesino" Organizations (1 July 1975 through 30 June 1976). Activity IV.A.231
3. Cooperation provided CEDEGE on the Structuring of a "Campesino" Training Center (14 July through 20 August 1975, Guayaquil, Babahoyo). Activity VI.A.233
4. Support provided IERAC on the Formulation and Undertaking of Development Projects, based on Associative Production Units (1 July 1975 through 30 June 1976). Activity VI.A.322
5. Cooperation provided IERAC on Technical Personnel Training in the Organization and Administration of Self-managed "Campesino" Enterprises (January 1976). Activity VI.A.323

Line VII. Administration of Agricultural Policy

1. Advisory Services provided the Planning Office of the Ministry of Agriculture and Livestock in the field of Personnel Management (March 15-19, 1976, Quito). Activity VII.A.231
2. Collaboration provided on Project Programming for Line VI, in accordance with IICA's technical policies for Ecuador (October 1975, Quito). Activity VII.P.159

EL SALVADOR

Line I. Analysis and Information on Rural Development

1. Up-dating and Analysis of Basic Information and Special Studies (January through March 1976, San Salvador). Activity I.N.121

Line II. Agricultural Education

1. Advisory Services provided Agricultural Education Agencies (1 July 1975 through 30 June 1976, San Salvador). Activity II.N.211
2. Seminar-Workshop on Education Evaluation Techniques (December 15-20, 1975, San Salvador). Activity II.N.212
3. Technical Writing Course (May 24-28, 1976, San Salvador). Activity II.N.213
4. Advisory Services provided on Training Personnel in Animal Husbandry Extension Techniques (July 1-11, 1975, San Salvador). Activity II.N.422

Line III. Agricultural Research

1. Technical Meeting to Evaluate the Basic Grains Research Programs (March through April 1976, Santa Tecla). Activity III.N.121
2. Advisory Services provided on the Organization and Administration of Research being carried out by CENTA (October 1975 and March through April 1976, Santa Tecla). Activity III.N.122
3. Collaboration provided on the Publication of a Pulses Information Bulletin (July through September 1975, Santa Tecla). Activity III.N.183

Line IV. Fostering Agricultural Production

1. Advisory Services provided on Structuring the Program to Foster Basic Grains Production (July through October 1975, Santa Tecla). Activity IV.N.122
2. Cooperation provided in Training Personnel at CENTA (March through June 1976, San Salvador). Activity IV.N.123
3. Cooperation provided the Salvadoran Coffee Research Institute on the Dissemination of Information, Research and Prevention of Rusts and Other Coffee Diseases (August 1975 through June 1976, Santa Tecla and San Salvador). Activity IV.N.411
4. Technical Cooperation provided CONAPLAN on the Implementation of National Irrigation Policies (1 July 1975 through 30 June 1976, San Salvador). Activity IV.N.523

Line VI. Promotion and Implementation of Structural Changes

1. Advisory Services provided on the Implementation of the Agrarian Transformation Program (1 July 1975 through 30 June 1976, San Salvador). Activity VI.N.111
2. Technical Cooperation provided on the Restructuring of the Rural Colonization Institute (1 July 1975 through 30 June 1976, San Salvador). Activity VI.N.112
3. Fostering "Campesino" Organization and Advisory Services provided on Rural Cooperativism (1 July 1975 through 30 June 1976, San Salvador). Activity VI.N.221
4. Technical Cooperation provided on the FOOCO Program Production Projects (1 July 1975 through 30 June 1976). Activity VI.N.222
5. Evaluation of a Salvadoran Community Union (IICA/IAF Agreement) (1 July 1975 through 30 June 1976). Activity VI.N.291

Line VII. Administration of Agricultural Policy

1. Technical Collaboration provided on strengthening the Institutional Planning System for the Agricultural Sector (February through March 1976, San Salvador). Activity VII.N.121
2. Course given on the Preparation and Evaluation of Agricultural Projects (August 21-25, 1975, San Salvador). Activity VII.N.164
3. Collaboration provided on Project Programming for Line VI, in Accordance with IICA's Technical Policies for El Salvador (September 1975, San Salvador). Activity VII.P.151

GUATEMALA

Line I. Analysis and Information on Rural Development

1. Analysis of the Structure and Functioning of the Institutional System of the Public Agricultural Sector of Guatemala (September 1975 through January 1976). Activity I.N.131
2. Publication of Information Bulletins (February through April 1976). Activity I.N.251
3. Press, Radio and Television Information Releases (1 July 1975 through 30 June 1976). Activity I.N.252

4. **Publication and Editorial Services**
(1 July 1975 through 30 June 1976). Activity I.N.253

5. **Collaboration provided the Agricultural Libraries of Guatemala on Improving their Registration Systems**
(June 14-30, 1976). Activity I.N.272

Line II. Agricultural Education

1. **Meeting on the Current Situation of Agricultural Education and its Role in Development**
(May 17-20, 1976). Activity II.N.121

2. **Technical Cooperation provided the Program of Supervised Professional Training at the Faculty of Agronomy of Guatemala**
(March 1976, Jutiapa). Activity II.N.123

3. **Regional Seminar (International) on Planning Agricultural Education and its Role in Development**
(May 17-20, 1976, Guatemala). Activity II.N.161

4. **Advisory Services provided on Agricultural Extension**
(1 July 1975 through 30 June 1976, Guatemala). Activity II.N.431

5. **Training of Professional Personnel and Volunteer Leaders of the 4-S Clubs Program**
(September 1975 through June 1976). Activity II.N.532

Line III. Agricultural Research

1. **Seminar on the Regionalization of Agricultural Production Systems**
(March through May 1976, Jutiapa). Activity III.N.131

2. **Technical Cooperation provided ICTA on the Improved Seed Inventory in Basic Grains, for the Agricultural Year 1976/77**
(18 February through 15 March 1976). Activity III.N.134

Line IV. Fostering Agricultural Production

1. **Advisory Services provided on the Coordination of Production Services of DIGESA, BANDESA and INDECA, with emphasis on Programs oriented towards Small and Medium Producers**
(January 12-16, 1976). Activity IV.N.141

2. **Cooperation provided the National Coffee Association on the Dissemination of Preventative Practices and the Possible Eradication of Diseases and Pests**
(August 1975 through June 1976, Guatemala and Mazatenango). Activity IV.N.421

3. **Evaluation of the Damages caused by the Rivers Motagua and Madre Vieja and the Potential Danger of Flooding in the Lower Valleys**
(March through June 1976). Activity IV.N.531

Line VI. Promotion and Implementation of Structural Changes

1. **Technical Cooperation provided INTA and Cooperative Agencies on "Campesino" Organization - FENACOAC Study**
(20 February through 30 June 1976). Activity VI.N.231

2. **Cooperation provided on the Agrarian Transformation Process, to the IICA/INTA Permanent Consultation Commission**
(1 July 1975 through 30 June 1976). Activity VI.N.232

Line VII. Administration of Agricultural Policy

1. **Personnel Training, Studies and Projects Unit of DIGESA, on Regional Diagnostic Techniques and the Elaboration of Agricultural Projects**
(April through June 1976). Activity VII.N.133

2. **Reprogramming and Project Adjustment for the Northern Zone**
(April 1976, Guatemala). Activity VII.P.123

HAITI

Line I. Analysis and Information on Rural Development

1. **Formulation of the Country-level Action Plan for Haiti**
(1 July 1975 through 30 June 1976, Port au Prince). Activity I.L.111

2. **Budget proposal prepared for a Study of the Institutional System of the Agricultural Sector of Haiti**
(January 1976, Port au Prince). Activity I.L.112

Line II. Agricultural Education

1. **Cooperation provided on a Project to Strengthen the Faculty of Agronomy and Veterinary Medicine, Haiti/Canada**
(1 July 1975 through 30 June 1976, Port au Prince). Activity II.L.111

2. **Negotiation and Getting Underway of a Technical Cooperation Service on the Preparation of a Feasibility Project in Rural Education for Haiti**
(September 1975 through June 1976, Port au Prince). Activity II.L.112

3. **Cooperation provided on Up-grading the National Agricultural Library of Haiti**
(1 July 1975 through 30 June 1976, Port au Prince). Activity II.L.121

4. Cooperation provided on the Participation of the Agricultural Library of Haiti in the AGRINTER System (1 July 1975 through 30 June 1976, Port au Prince). Activity II.L.122

Line IV. Fostering Agricultural Production

1. Cooperation provided on Fostering the Cultivation of Edible Pulses in Haiti (1 July 1975 through 30 June 1976). Activity IV.L.111
2. Seminar on Small Farmer Production Systems Activity IV.L.112

Line VI. Promotion and Implementation of Structural Changes

1. Collaboration provided the State Secretariat of Agricultural on the Preparation of a Five-year Plan on Production Aspects, by means of Community Enterprises and "Campesino" Organization (1 July 1975 through 30 June 1976, Port au Prince). Activity VI.L.211
2. Collaboration provided on the Completion of the Study on Traditional "Campesino" Organization Models in Haiti (1 July 1975 through 30 June 1976). Activity VI.L.212
3. Collaboration provided for the Research Case Study on Community Enterprises IICA/FAO (July through December 1975). Activity VI.L.213
4. Progress on getting the Simon Bolivar Fund Project Underway: "Strengthening the National System in Support of "Campesino" Community Rural Development Projects" (1 July 1975 through 30 June 1976). Activity VI.L.214

Line VII. Administration of Agricultural Policy

1. Administration and Management of the Three-way IICA/Haiti/CIDA-Canada Project (1 July 1975 through 30 June 1976, Port au Prince). Activity VII.L.115

HONDURAS

Line I. Analysis and Information on Rural Development

1. Analytical Study of Rural and Institutional Development in Honduras (January through April 1976, Tegucigalpa). Activity I.N.141

2. Advisory Services provided on the Formulation of a Project for the Development of a National Agricultural Documentation and Information Center (September 1975 through February 1976, Tegucigalpa). Activity I.N.221

Line II. Agricultural Education

1. Technical Writing Course, for Professors from the Atlantic Coast Regional University Center (CURLA) (May 3-7, 1976, La Ceiba). Activity II.N.221
2. Course on Education Evaluation (La Ceiba). Activity II.N.222
3. Collaboration and Advisory Services provided on the Creation of a National Association of Agricultural Education in Honduras (August 1-3, 1975, Siguatepeque). Activity II.N.224
4. Collaboration and Advisory Services provided on the Formulation of a Project for the Development of CURLA (1 July 1975 through 30 June 1976, La Ceiba). Activity II.N.225
5. Course in Agricultural Science Methodology (April 19-24, 1976, Catacamas, Olancho). Activity II.N.226
6. Technical Writing Course for Secretaries (May 3-7, 1976, La Ceiba). Activity II.N.227
7. Course in Scientific Communications and Technical Writing for Executives of the Agricultural Sector (28 June to July 2, 1976, Tegucigalpa). Activity II.N.229
8. First Rural Extension and Communications Course (August 11-30, 1975, Comayagua). Activity II.N.441
9. Second Rural Extension and Communications Course (October 3-15, 1975, Juticalpa). Activity II.N.441a
10. In-service Training for Agricultural Extension Supervisors (November 24-29, 1975, Juticalpa, Olancho). Activity II.N.442
11. National Rural Extension and Communications Course, by Regions (23 February through 5 March, 1976, La Ceiba). Activity II.N.445

12. National Rural Extension and Communications Course, by Regions (March 15-27, 1976, Danlí and El Paraiso). Activity II.N.446
13. National Rural Extension and Communications Course, by Regions (March 6-13, 1976, Ocotepeque). Activity II.N.447

Line IV. Fostering Agricultural Production

1. Technical Collaboration provided on Agricultural Surveys for the National Bank of Promotion and the National Agrarian Institute (8-11 December 1975 and 10-14 May 1976, Tegucigalpa). Activity IV.N.351
2. Agricultural Credit Course (December 15-19, 1975, Tegucigalpa). Activity IV.N.352
3. Analysis of the Personnel Training System of the National Bank of Promotion, Agricultural Sector (January 1976, Tegucigalpa). Activity IV.N.356
4. Technical Collaboration provided on the Administrative Organization of the San Juan de Flores Irrigation District (August 1975 through February 1976). Activity IV.N.541
5. Collaboration and Advisory Services provided on the Studies Review Concerning Priority Irrigation Projects of Honduras (1 July 1975 through 30 June 1976, Tegucigalpa). Activity IV.N.543
6. Development of Small Irrigation Projects (1 July 1975 through 30 June 1976). Activity IV.N.544
7. Regional Integral Diagnostic Study: Central-eastern Region - Diagnostic Study of Physical Resources (1 March through 30 July 1975). Activity IV.N.
8. Agricultural Extension Course (1 September through 24 October 1975, La Ceiba). Activity IV.N.

Line VI. Promotion and Implementation of Structural Changes

1. Honduran Agricultural Week (August 13-23, 1975, Tegucigalpa). Activity VI.N.123
2. Seminar on Agrarian Reform for the Military (August 25-27, 1975, Tegucigalpa). Activity VI.N.124

3. Reciprocal Training (Visit of the Deputy Director and 14 Functionaries from the IAN Department of "Campesino" Organization and Training, Nicaragua, to the "Campesino" Organization and Training Program of INA, Honduras) (December 15-19, 1975). Activity VI.N.131b
4. Seminar-Workshop on Methodologies for "Campesino" Enterprise Organization (May 3-17, 1976). Activity VI.N.132
5. Regular Meeting of the Board of Directors of PRACA and X Meeting of Agrarian Reform Executives of the Central American Isthmus (April 26-30, 1976). Activity VI.N.137
6. Agricultural Development Training Course for Technicians (October 6 through December 19, 1975). Activity VI.N.138b
7. Technical Training for Personnel from the Head Office for Social Development and "Campesino" Leaders (May 3-17, 1976, Guanchías). Activity VI.N.274
8. Advisory Services provided ISTA on "Campesino" Community Enterprises and Personnel Training (May 3-17, 1976). Activity VI.N.321
9. The Participation of three INTA Technicians in the Seminar-Workshop on Methodologies for "Campesino" Enterprise Organization (May 3-17, 1976). Activity VI.N.331
10. Support provided the above-cited Seminar-Workshop (May 3-17, 1976, Yoro, Progreso). Activity VI.N.332
11. Seminar on Rural Development and Agrarian Reform (April 5-7, 1976, Villa Ahumada, Danlí). Activity VI.N.333
12. Technical Training in Community Enterprises (May 3-17, 1976, Guanchías). Activity VI.N.361
13. Participation in a Laboratory on "Campesino" Enterprise Organization in Honduras (May 2-17, 1976). Activity VI.L.224

Line VII. Administration of Agricultural Policy

1. National Technical Meeting on Regional Integral Agricultural Development (February 10-11, 1976, Tegucigalpa). Activity VII.N.143
2. Course on Preparing and Evaluating Agricultural Development Projects (PEPA) (October 1975 through March 1976, Tegucigalpa). Activity VII.N.181

3. Collaboration and Advisory Services provided National Institutions on Programming Administrative Reforms for the Sector (1 July 1975 through 30 June 1976, Tegucigalpa). Activity VII.N.241
4. Collaboration and Advisory Services provided on the Formulation of the Rural Development Project for the Jamastran Valley (2 February through 12 March, 1976, Tegucigalpa). Activity VII.N.
5. Collaboration provided on Project Programming for Line VI, in accordance with IICA's Technical Policies for Honduras (September 1975, Tegucigalpa). Activity VII.P.153

JAMAICA

Line I. Analysis and Information on Rural Development

1. Compiling and Analyzing Rural Development and Institutional Information in Jamaica (October 1975 through June 1976, Kingston). Activity I.L.141

Line II. Agricultural Education

1. Analysis of the Agricultural Education Situation in Jamaica (October 1975 through June 1976, Kingston). Activity II.L.151
2. Analysis of the Institutional Aspects of Agricultural Extension Activities in Jamaica (May 1976). Activity II.L.211
3. Collaboration provided on Training Technicians from Agricultural Extension Agencies (June 1976). Activity II.L.212

Line IV. Fostering Agricultural Production

1. Analysis of the Institutions responsible for Fostering Agricultural Production in Jamaica (April 1976). Activity VI.L.141
2. Training Functionaries from these Agencies (June 1976). Activity IV.L.142
3. Collaboration and Support provided the Agricultural Marketing Agencies in Jamaica (May through June 1976, Kingston). Activity IV.L.221
4. Development of a Marketing Research Methodology - A Case Study (June 1976). Activity IV.L.223

5. Collaboration provided on the Formulation and Implementation of Soil Conservation and Management Projects (October 1975 through June 1976, Kingston, Smith-field). Activity IV.L.321
6. Training of Technical Personnel in Soil Conservation (November-December 1975, March-April-June 1976). Activity IV.L.322

Line VII. Administration of Agricultural Policy

1. Analysis of the Agricultural Planning Institutional Aspects in Jamaica (January through June 1976). Activity VII.L.141
2. Promotion and Organization of a Course on the Preparation and Evaluation of Agricultural Projects (December 1975 through June 1976, Kingston). Activity VII.L.143

MEXICO

Line I. Analysis and Information on Rural Development

1. Elaboration of a Diagnostic Study of the Agricultural Institution Sector of Mexico (July 1975 through February 1976, Mexico D.F.). Activity I.N.151
2. Detailed Programming of IICA Activities in Mexico (July 1975 through February 1976, Mexico D.F.). Activity I.N.152
3. Evaluation of Actions undertaken by IICA in Mexico, with the aim of enriching future programmes (June 1976, Mexico D.F.). Activity I.N.153
4. Support provided on the Establishment of a National Agricultural Information Sub-system in Mexico (August 25-27, 1975, Mexico D.F.). Activity I.D.127

Line II. Agricultural Education

1. Advisory Services provided on the Creation of Teaching Support Units (1 July 1975 through 30 June 1976). Activity II.N.132
2. Workshop-course on the Organization and Administration of Audio-visual Communications Centers (February 2-27, 1976, Mexico D.F.). Activity II.N.133

3. Classroom-workshop on Scientific Communication (May 17-21, 1976 Guadalajara and Jalisco). Activity II.N.134
 4. Workshop on the Development of Teaching Methodologies (September 1975, Ciudad Victoria and Tamaulipas). Activity II.N.135
 5. In-service training on Visual Aids (April 1-9, 1976, Mexico D.F.). Activity II.N.216
 6. Participation in the VI National Meeting of the Mexican Association of Higher Agricultural Education (AMEAS) (April 7-10, 1976, Mexicali). Activity II.N.231
 7. National Meeting of Agricultural Science Graduate Programs in Mexico (November 5-8, 1975, Guadalajara and Jalisco). Activity II.N.233
 8. Seminar on the Establishment of Rural Development Specialties in Higher Agricultural Education Schools (August 19-20, 1976, Saltillo, Coah.). Activity II.N.235
 9. Seminar on Evaluation Planning and Institutional Development of Agricultural Schools in Mexico (May 19-22, 1976, Torreon, Coah.). Activity II.N.236
 10. Training of Technical, Administrative and Supervisor Personnel of the Office of Extra-curricular Education in Rural Areas, in Programming, Planning and Evaluation Aspects (October 6-25, 1975). Activity II.N.243
 11. Training of the Directive Technical Personnel at the Rural Development Training Center in Organization and Teaching-Action Aspects (November 10-21, 1975). Activity II.N.244
 12. Reciprocal Training in the Administration of Higher Agricultural Education (May 3-16, 1976). Activity II.N.252
 13. Reciprocal Training of a Ministry of Agriculture Technician in "Campesino" Training (December 1-20, 1975). Activity II.A.333
- Line IV. Fostering Agricultural Production**
1. In-service Training in the Administration and Operation of Agricultural Mechanization Centers (3 November Through 11 December 1975, Chapingo). Activity IV.N.152
 2. Training of Chontalpa Plan Functionaries in Rural Administration and its relationship with other functions necessary to assure increased production and productivity (May 24-28, 1976, Cárdenas, Tabasco). Activity IV.N.161
 3. Credit as an Integral Part of the Rural Development Process. Course for Chontalpa Plan Functionaries (April 8-10, 1976, Villahermosa, Tabasco). Activity IV.N.162
 4. Technical Meeting on the Coordination and Design of Functional Mechanisms (December 1975 through April 1976, Cárdenas, Tabasco). Activity IV.N.163
 5. Advisory Services provided on the Marketing of Perishable Products as part of the Service Packet of the Chontalpa Plan (February 29 through 18 March 1976). Activity IV.N.164
 6. Cooperation provided CONASUPO and other Agencies of the SPA of Mexico, on the Organization of a Food Marketing Study Center (July 1975 through April 1976). Activity IV.N.361
 7. Cooperation provided on the Organization of "Campesinos" and Small Producers for Marketing Purposes (August 1975 through April 1976). Activity IV.N.362
 8. Dissemination of Sampling Methods used in the Country (March 1976, Mexico D.F.). Activity IV.N.433
- Line VI. Promotion and Implementation of Structural Changes**
1. The Design for Researching and Collecting Data in Four "Ejidos" of the Chontalpa Plan (Ejido = ± Settlement) (February through June 1976). Activity VI.N.251
 2. Four Working/Training Meetings for Supervisors of Ejido Management with the aim of Establishment Parameters for Evaluating the Work of Promoters (February through May 1976, Cárdenas, Tabasco). Activity VI.N.252
 3. Collaboration provided on the Training of Promoters in Ejido Organization, from the Agrarian Reform Secretariat (February through May 1976, Cardenas, Tabasco). Activity VI.N.253
 4. Collaboration provided on the Coordination of Different Institutions working in "Campesino" Organization in the Chontalpa Plan Ejidos (November 1975 through May 1976). Activity VI.N.254

Line VII. Administration of Agricultural Policy

1. Cooperation provided on the Formulation of a Possible Functional System for the Planning Units of the COCOSA E (1 July 1975 through 30 June 1976). Activity VII.N.151
2. Technical Working Meeting with COCOSA E Members, emphasizing Planning Aspects for Socio-economic Development Purposes (April 22-24, 1976, Villahermosa, Tabasco). Activity VII.N.152
3. Technical Working Meetings with Technicians of the Planning Units of Different COCOSA E S, so as to Establish Horizontal Relationship Methodologies (May 12-14, 1976, Aguascalientes). Activity VII.N.153
4. In-service Training (June 6-26, 1976, Mexico D.F.). Activity VII.N.176
5. Collaboration on Project Programming for Line VI, in Accordance with IICA's Technical Policy for Mexico (September 1975, Mexico D.F.). Activity VII.P.152

NICARAGUA

Line I. Analysis and Information on Rural Development

1. Analysis of Rural and Institutional Development in the Sector (1 July 1975 through 30 June 1976, Managua). Activity I.N.161
2. Course on Research Methodology and Agricultural Experimentation (May 9-12, 1976, Managua). Activity I.N.

Line II. Agricultural Education

1. Course on Teaching Methodology in Agricultural Sciences, for Professors from Rivas and Estelí (January 19-23, 1975, Managua). Activity II.N.141
2. National Seminar-Workshop on Audio-visual Aids (October 26-31, 1975, Managua). Activity II.N.142
3. Advisory Services provided the Central Committee for the Creation of the Higher School of Animal Husbandry (November 24-28, 1975, Managua). Activity II.N.254

4. Analytical Diagnostic Study of the Extension Service (1 July 1975 through 30 June 1976). Activity II.N.451
5. Seminar on Agricultural Extension Methodology and Programming (December 8-13, 1975, Managua). Activity II.N.452
6. Technical Support provided on the Agricultural work Program and Field Day for Rural Families and Technicians of the Ministry of Agriculture and Livestock (March 29-31, 1976, Managua). Activity II.N.553

Line III. Agricultural Research

1. Seminar on Agricultural Research Methodology (May 3-11, 1976, Managua). Activity II.N.151

Line IV. Fostering Agricultural Production

1. Technical cooperation provided on the Design of Integral Programs to Foster Production in specified Regions of the Development Plan (1 July 1975 through 30 June 1976). Activity IV.N.171
2. Advisory Services provided the "Campesino" Welfare Institute (INBIERNO) on the Design of its Marketing Programs (July through October 1975). Activity IV.N.372
3. Advisory Services provided on Rust Identification Systems (February 1976, Managua). IV.N.441
4. Technical Support provided the Ministry of Agriculture and the Natural Renewable Resources Division (1 July 1975 through 30 June 1976). Activity IV.N.551
5. Analytical Study of the Irrigation Set-up in the Sebaco Valley (April 1976, Sebaco Valley and Managua). Activity IV.N.552

Line VI. Promotion and Implementation of Structural Changes

1. Course on "Campesino" Organization for IAN Technicians (October 20-25, 1975). Activity VI.N.138a
2. Socio-economic Study of the IAN Agricultural Colonies (May through September 1975). Activity VI.N.1311
3. Advisory Services provided INBIERNO and IAN on Organization and Motivation (1 July 1975 through 30 June 1976, Managua). Activity VI.N.261

4. Evaluation Analysis of the IAN International System of Title-granting (April through May 1976, Managua). Activity VI.N.263

Line VII. Administration of Agricultural Policy

1. Advisory Services provided Sectoral Institutions on Studies and Specific Projects (1 July 1975 through 30 June 1976, Managua). Activity VII.N.161
2. Technical Cooperation provided UNASEC and the Sectoral Planning Office (1 July 1975 through 30 June 1976). Activity VII.N.162
3. Preparation of a Methodology Manual on Agricultural Sectoral Analysis (1 July 1975 through 30 June 1976, Managua). Activity VII.N.163
4. Support provided the Ministry of Agriculture on its Internal Reorganization (1 July 1975 through 30 June 1976, Managua). Activity VII.N.251

PANAMA

Line I. Analysis and Information on Rural Development

1. A Study of the Basic Information for a Rural and Institutional Analysis of Panama (1 July 1975 through 30 June 1976). Activity I.N.171
2. Coordination provided on the Establishment of a Documentation Center at MIDA (Ministry of Agric. Development) Activity I.N.242

Line II. Agricultural Education

1. Technical Writing Course (August 18-21, 1975, Panama). Activity II.N.151
2. Support provided the Agricultural Education Programs (November 6-19, 1975). Activity II.N.152
3. Advisory Services provided the Ad-Hoc Committee of Central American Deans of Agriculture (November 16-20, 1975, Panama). Activity II.N.311
4. Advisory Services provided the Central American Association of Secondary Agricultural Education (ACEAS) (November 16-20, 1975, Panama). Activity II.N.312

Line III. Agricultural Research

1. Advisory Services provided the Animal Husbandry Research Program (1 July 1975 through 30 June 1976, Gualaca). Activity III.N.161
2. Strengthening the Agricultural Research Institutions of Panama (July 1975 through April 1976). Activity III.N.171

Line IV. Fostering Agricultural Production

1. Advisory Services provided on the Coordination of Economic Studies in Animal Production (1 July 1975 through 30 June 1976). Activity IV.N.221
2. Course on the Transfer of Technology (August 18-23, 1975, Santiago de Veraguas). Activity IV.N.223
3. Strengthening the Irrigation and Drainage Sub-system of Panama (1 July 1975 through 30 June 1976, Santiago de Veraguas and Coclé). Activity IV.N.561

Line VI. Promotion and Implementation of Structural Changes

1. Advisory Services provided National Agrarian Reform Agencies (March 1976). Activity VI.N.1310
2. Advisory Services provided the Social Development Office, on the Organization of a Training Program (1 July 1975 through 30 June 1976, Santiago de Veraguas). Activity VI.N.271
3. Course for Social Coordinators (November 15-21, 1975, Divisa). Activity VI.N.273
4. Advisory Services provided the National Agrarian Reform Office and the Social Development Office on the Modification of the Agrarian Code, as related to "campesino" Organization (July 7-8 and September 16-19, 1975 Santiago de Veraguas). Activity VI.N.277
5. Advisory Services provided the National Social Development Office on the Regulation of "Campesino" Enterprises, and Title-granting (December 2-5, 1975 and April 12-14, 1976, Santiago de Veraguas). Activity VI.N.279
6. Advisory Services provided on the Formulation of a Preliminary Study of the Southern Zone of SONA, concerning "Campesino" Settlements (22 August through 21 October 1975, Santiago de Veraguas). Activity VI.N.

Line VII. Administration of Agricultural Policy

1. Cooperation provided on the Organization of Planning Systems (May 10-21, 1976, Santiago de Veraguas). Activity VII.N.172
2. Cooperation provided on the Formulation of the 1976 Program-Budget (August 24 through September 3, 1975, Santiago de Veraguas). Activity VII.N.174
3. Advisory and Training Services provided on the Formulation of Projects (22 August Through 21 October 1975, Santiago de Veraguas). Activity VII.N.175
4. Training in the Preparation and Evaluation of Agricultural Development Projects (8 March through 18 June 1976, Divisa and Santiago de Veraguas). Activity VII.N.181
5. Diagnostic Study of Administrative Management (June 25-29 and August 3-12, 1975, Santiago de Veraguas). Activity VII.N.261
6. Advisory Services provided on the Implementation of Results obtained from the Diagnostic Study (June through August, 1975, Santiago de Veraguas). Activity VII.N.263
7. Meeting with Technicians from the Sub-divisions to revise the documents (SUPRA) and Prepare a Definitive Document on the Institutional Policy for Sub-divisions (March 1976, Panama). Activity VII.P.122
8. Collaboration provided on Project Programming for Line VI, in Accordance with IICA's Technical Policies for Panama (August 1974, Panama). Activity VII.P.154

PARAGUAY

Line I. Analysis and Information on Rural Development

1. Institutional Analysis of the Rural Sector (1 July 1975 through 30 June 1976, Asuncion). Activity I.S.151
2. Up-dating the Report on the Situation and Tendencies of the Agricultural Sector (1 July 1975 through 30 June 1976, Asuncion). Activity I.S.152
3. Formulation of IICA's Country-level Action Plan (December 1975 through May 1976, Asuncion). Activity I.S.153
4. Situation Study of Agricultural Information and Documentation in Paraguay (October through December 1975, Asuncion). Activity I.S.261

5. Meeting to Foster the Organization of a National Agricultural Information Sub-system (June 26-28, 1976, Asuncion). Activity I.S.262
6. Advisory Services provided the National Agricultural Information Sub-system (June 10, 1976, Asuncion). Activity I.S.263
7. Technical Meeting on Cataloging Methodology for AGRINTER publications (May 20-26, 1976, Asuncion). Activity I.S.271

Line II. Agricultural Education

1. Advisory Services provided on a Study of the Demand for Human Resources in the Agricultural Sector (September 1975 through June 1976, Asuncion). Activity II.S.151
2. Fostering the Creation of a Coordinator Committee on Educational Planning for the Agricultural Sector (October 1975 through June 1976, Asuncion). Activity II.S.152
3. Advisory Services provided on getting a Teaching Support Unit underway (August 1975 through May 1976, Asuncion and San Lorenzo). Activity II.S.253
4. Advisory Services provided on Structuring the Training and Research Program of the Rural Economics Center at the Faculty of Agricultural Engineering (1 July 1975 through 30 June 1976, San Lorenzo). Activity II.S.254
5. Advisory Services provided the Agricultural and Forestry Training Office on Teaching and Administrative Organization, at the Middle Level (September 1975 through May 1976, Asuncion). Activity II.S.255
6. Collaboration provided on a Teaching Up-grading Course for Middle-level Agricultural Schools (March through May 1976, Asuncion). Activity II.S.256

Line III. Agricultural Research

1. Advisory Services provided the Agricultural and Forestry Training and Extension Office on the Definition of a Guidance Model to govern Research Diagnostic Studies (1 July 1975 through 30 June 1976, Asuncion). Activity III.S.221
2. Advisory Services provided on the Formulation of a National Tobacco Program to Develop Phytosanitary Research for the Production of Burley and Virginia Tobaccos (November and December 1975). Activity III.S.222

3. Advisory and Training Services provided on the Economic Evaluation of Research Projects in Cotton, Soy Beans, Cassava, Corn and Tobacco (1 July 1975 through 30 June 1976). Activity III.S.224

Line IV. Fostering Agricultural Production

1. Cooperation provided on the Planning and Implementation of Technical and Credit Assistance Programs in the Itapúa, Cordillera and Paraguari Zones (March through May 1976, Itapúa). Activity IV.S.121
2. Advisory Services provided Marketing Offices to Up-date and Up-grade Price and Marketing Information (1 July 1975 through 30 June 1976, Asuncion). Activity IV.S.231
3. Collaboration provided on the Organization of a Perishable Products Section in the Marketing Office of the Ministry of Agriculture (1 July 1975 through 30 June 1976, Asuncion). Activity IV.S.232
4. Advisory Services and Collaboration provided the Small Producer Marketing Programs (1 July 1975 through 30 June 1976, Itapúa and Asuncion). Activity IV.S.233

Line VI. Promotion and Implementation of Structural Changes

1. Advisory Services provided on the Elaboration of a Diagnostic Study of the Cordillera and Paraguari Zones (September 1975 through March 1976, Paraguari). Activity VI.S.122
2. Cooperation provided on the Formulation of Projects for the Cordillera and Paraguari Zones (March 1976, Paraguari). Activity VI.S.123
3. In-service Training on the Formulation of Diagnostic Studies, Projects and Operative Plans for Technicians from the Itapúa, Cordillera and Paraguari Zones (October 1975 through June 1976). Activity VI.S.124
4. Training a National Team; Analysis of Methodologies to be Used; Establishment of Advisory Services to be provided by IICA; General Organization of Work and the Implementation of IICA's Advisory Services (August 1975 through June 1976). Activity VI.A.342

Line VII. Administration of Agricultural Policy

1. Course on the Preparation and Evaluation of Agricultural Projects (September 1975 through June 1976, Asuncion). Activity VII.S.111
2. Advisory Services provided the Technical Office on Methodological Aspects of an Institutional Analysis of the Ministry of Agriculture (1 July 1975 through 30 June 1976, Asuncion). Activity VII.S.131
3. Advisory and Training Services provided Personnel of the Technical Office and the Technical Planning Secretariat, by means of Periodic Seminars on Agricultural Planning (1 July 1975 through 30 June 1976, Asuncion). Activity VII.S.132
4. Preparation of the Document Entitled: "Typical Farm Projects. The Case of Repatriated Colonies from the South" (October 1975, Asuncion). Activity VII.S.134
5. Collaboration provided on Project Programming for Line VI, in accordance with IICA's Technical Policies for Paraguay (August 1975, Asuncion). Activity VII.P.156

PERU

Line I. Analysis and Information on Rural Development

1. Up-dating and Analysis of Information on the Evolution of Agriculture and of the Institutions of the Agricultural Sector (1 July 1975 through 30 June 1976, Lima). Activity I.A.141
2. Preparation of IICA's Action Plan for Peru (1 July 1975 through 30 June 1976). Activity I.A.142
3. Communications Course on the Transfer of Agricultural Technology (May 17-25, 1976, Tarapoto). Activity I.A.233
4. Communications Course on the Transfer of Agricultural Technology (November 24 through December 2, 1975, Arequipa). Activity I.A.234
5. Basic Course in Technical Writing (March 15-19, 1976, Lima). Activity I.A.235
6. Publication of the "Country Services" Brochure (October 1975 through March 1976, Lima). Activity I.A.251
7. Information and Public Relations Work (1 July 1975 through 30 June 1976, Lima). Activity I.A.252

Line II. Agricultural Education

1. Advisory Services provided the National Agrarian University (NAU) as a Regional Center (1 July 1975 through 30 June 1976, Lima). Activity II.A.121
2. Support provided on the Graduate Course by Stages at the N.A.U., in Animal Production (1 July 1975 through 30 June 1976, Lima). Activity II.A.122
3. Support provided on Graduate Studies in Agricultural Planning, National Agrarian University, La Molina (1 July 1975 through 30 June 1976, Lima). Activity II.A.123
4. Course on Methodological Aspects in Preparing and Evaluating Agricultural Projects (November 10-21, 1975, Lima). Activity II.A.125
5. Graduate Level Training in Animal Production for Professors (1 July 1975 through 30 June 1976, Lima). Activity II.A.235
6. Cooperation and Support provided National Universities of: San Antonio Abad, of Cuzco; Técnica of the Altiplano; Técnica of Piura; and of the Peruvian Amazon (1 July 1975 through 30 June 1976). Activity II.A.242
7. Training and Support provided the Education Exchange Units of Peru (1 July 1975 through 30 June 1976, Lima and Cuzco). Activity II.A.244
8. Advisory Services provided the Forestry Sciences Academic Program at the National University of the Peruvian Amazon (September 1975 through January 1976, Lima and Iquitos). Activity II.A.245
9. Evaluation and Analysis of Educational Levels in Physics and its Application in the Field of Agriculture, for the Formulation of Specialized Programs and Texts (1 July 1975 through 30 June 1976). Activity II.A.246
10. Advisory Services provided on the Organization and Management of the Agricultural Sciences Academic Program at the National Technical University at Puno (April 26-28, 1976, Puno). Activity II.A.271
11. Advisory Services provided on the Organization and Management of the Agricultural Sciences Academic Program at the National Technical University at Piura (August-December 1975, and March-April, 1976, Piura). Activity II.A.272

Line III. Agricultural Research

1. Support provided the Research Office on Research Programming for CRIA-I, in Food Production (1 October through 18 December 1975, Lima and Huancayo). Activity II.A.131
2. Support provided the Research Office on Research Programming for CRIA-II, in Food Production (1 September through 18 December 1975, Chiclayo). Activity III.A.132
3. Support provided the Research Office on Research Programming for CRIA-IV, in Food Production (1 September through 14 December 1975, Arequipa). Activity II.A.133
4. Publication of a Bibliography on University Agricultural Research in Peru (August 1975 through May 1976, Lima). Activity II.A.134
5. Collaboration provided the Research Office on Research Planning (September 1975 through April 1976, Lima). Activity II.A.135
6. Advisory Services provided on Organization and Management Aspects for CRIA-I (January through June 1976, Lima). Activity III.A.136
7. National Meeting on Forestry Research (January through May 1976, Lima). Activity III.A.141
8. Advisory Services provided on Research Programming for Testing Forest Species (August 1975 through May 1976). Activity II.A.142
9. Course on Methodologies for the Socio-economic Analysis of Agricultural Research Results (22 September through 4 October 1975, Lima). Activity III.A.231
10. Advisory Services provided the Agricultural Research Office on Methodologies for the Social and Economic Evaluation of Agricultural Research (22 September through 4 October 1975, Lima). Activity III.A.232
11. Advisory Services provided the Socio-economic Research Division of the Research Office (16 February through 12 March 1976). Activity III.A.234
12. Course on Sheep Production Systems in the Highlands (29 September through 4 October 1975, Huancayo). Activity III.A.312

13. Support provided on Research into and Production of Quinoa and Cañihua (July 1975 through May 1976, Puno). Activity III.A.313
14. "Campesino" Training in Implementing Specific Highland Projects (5 January through 6 March 1976, La Raya and Huancayo). Activity III.A.323

Line IV. Fostering Agricultural Production

1. In-service Training in Marketing, of a Bolivian Technician (October 6-12, 1975, Lima). Activity IV.A.114
2. In-service Training of several Ecuadorian Technicians in Agricultural Marketing (December 1-20, 1975, Lima and Chiclayo). Activity IV.A.134
3. Cooperation provided on the Formulation and Implementation of Plans and Programs at the Marketing Office of the Food Ministry (1 July 1975 through 30 June 1976, Lima). Activity IV.A.141
4. Support provided the Storage Centers Program of the Food Ministry (1 July 1975 through 30 June 1976, Lima). Activity IV.A.142
5. Support provided on a Special Course for the Organization and Management of Storage Centers (October 6-22, 1975, Lima). Activity IV.A.143
6. Reciprocal Training Activity in Colonization (November 9-22, 1975). Activity IV.A.223
7. Analysis of the Institutional Structure concerned with the Development of Eastern Peru (September 1975 through June 1976, Lima and Iquitos). Activity IV.A.241
8. Reciprocal Training provided four Technicians of the Ministry of Agriculture and Livestock, in Sheep Management (20 June through 5 July 1976). Activity IV.A.322
9. Support provided on the Preparation and Dissemination of a Unique Methodology related to the Operation and Maintenance of Irrigation (1 July 1975 through 30 June 1976, Lima). Activity IV.A.431
10. Support provided the Waters Office, CENCIRA, the Irrigation Office and Agrarian Zones for the Development of Irrigation Training Programs (1 July 1975 through 30 June 1976). Activity IV.A.432
11. Support provided on the Study of Irrigation Needs at the District Level (July through December 1975, Lima). Activity IV.A.433

12. Strengthening the Higher Education Institutions with respect to an Irrigation Study and the Analysis of Watersheds (1 July 1975 through 30 June 1976, Lima and Lambayeque). Activity IV.A.434
13. Support provided the Agroindustrial Agencies of Peru (1 July 1975 through 30 June 1976). Activity IV.A.531
14. Integration of the Diagnostic Studies of Agroindustries in the Andean Zone (October 23-25, 1975, Lima). Activity IV.A.551
15. Advisory Services provided the Forestry and Wildlife Office (August 1975 through May 1976). Activity IV.A.621
16. Evaluation of Forest Plantations in Peru (May 3-28, 1976, Cuzco and Lima). Activity IV.A.622

Line VI. Multinational Integration

1. Analytical Study of Research on Oil-producing plants, as conducted by the Agricultural Research Institutions of the Andean Group Countries (September 1975 through June 1976, Lima). Activity V.A.111

Line VI. Promotion and Implementation of Structural Changes

1. Training a National Team; Analysis of Methodologies to be Used; Establishment of Advisory Services to be provided by IICA; General Organization and the Work Program and Implementation of IICA's advisory Services (August 1975 through June 1976). Activity VI.A.343
2. Reciprocal Training Activities (Visit of the National Agrarian Reform Director and Other Functionaries from Panama, to observe the Agrarian Reform Process of Peru) (March 6-14, 1976). Activity VI.N.131c

Line VII. Administration of Agricultural Policy

1. Reciprocal Training Activities for OPSA Personnel (November 1975 through June 1976)
2. In-service training on Specific Projects (Guide for the Identification of Investment Projects with "campesino" Associative Enterprises) (August 1975 through April 1976, Lima). Activity VII.A.152
3. Advisory Services on the Formulation of a Guideline for Agricultural Projects for "Campesino" Enterprises (August 6-17, 1975). Activity VII.A.152a

4. **Evaluation of the Institutional Executor Mechanisms for Development Policies for Peruvian Tropical Regions** (1 July 1975 through 30 June 1976, Lima). Activity VII.S.282
5. **Collaboration provided on Project Programming for Line VI, in Accordance with IICA's technical policy for Peru** (August 1975, Lima). Activity VII.P.155
9. **Analytical Listing of Agencies with Rural Development Responsibilities** (1 July 1975 through 30 June 1976, Montevideo). Activity I.S.162
10. **Analysis of the Agricultural Institutional System** (1 July 1975 through 30 June 1976, Montevideo). Activity I.S.163
11. **Contribution to the Analysis of Agricultural Institutional Sub-systems** (1 July 1975 through 30 June 1976, Montevideo). Activity I.S.164

UNITED STATES OF AMERICA

1. **Collaboration provided the Director General on the Presentation of the Proposed Program-Budget to the Special Committee and the Board of Directors of IICA** (May 1976, Washington, D.C.). Activity VII.P.2211

URUGUAY

Line I. Analysis and Information on Rural Development

1. **Methodology for the Analysis of Rural Development** (1 July 1975 through 30 June 1976, Montevideo). Activity I.S.111
2. **Consolidation of the Analysis of Situation and Tendencies in the Agricultural Sector of the Southern Zone** (February through June 1976, Montevideo). Activity I.S.112
3. **Methodology for the Analysis of Institutional Systems** (1 July 1975 through 30 June 1976, Montevideo). Activity I.S.113
4. **Methodology for Formulating the Country-level Action Plans of IICA** (1 July 1975 through 30 June 1976, Montevideo). Activity I.S.114
5. **Internal Advisory Services provided the Regional Office for the Southern Zone** (1 July 1975 through 30 June 1976, Montevideo). Activity I.S.115
6. **Programming Meetings for the Southern Zone** (February through June 1976, Montevideo). Activity I.S.116
7. **Participation in the Annual Programming Meeting for the Regional Office** (June 1976, Montevideo). Activity I.S.144
8. **Analysis of the Current Situation of the Agricultural Sector** (1 July 1975 through 30 June 1976, Montevideo). Activity I.S.161

12. **Technical Meeting on Concepts and Methodologies for the Institutional Analysis of the Agricultural Sector** (1 July 1975 through 30 June 1976, Montevideo). Activity I.S.165
13. **Up-dating IICA's Action Plan for Uruguay** (1 July 1975 through 30 June 1976, Montevideo). Activity I.S.166
14. **Promotional and Advisory Services provided on Programming a Meeting to Establish Guidelines for the Organization of a National Agricultural Information Sub-system** (May 1976, Montevideo). Activity I.S.251
15. **Implementation of Activities by the Agricultural Information Sub-system** (January through June 1976, Montevideo). Activity I.S.252
16. **Collaboration provided on Retrieving National Bibliographic Material for AGRINTER** (January through June 1976, Montevideo). Activity I.S.253

Line II. Agricultural Education

1. **Meeting of the Advisory Committee for Line II Programs in the Southern Zone** (June 1976, Montevideo). Activity II.S.111
2. **Fostering the Creation of an Advisory Committee for the Agricultural Education Sub-system** (1 July 1975 through 30 June 1976, Montevideo). Activity II.S.161
3. **Academic Up-grading of Professors** (1 July 1975 through 30 June 1976, Montevideo). Activity II.S.262
4. **Advisory Services provided the Faculties of Agronomy and Veterinary Sciences** (1 July 1975 through 30 June 1976, Montevideo). Activity II.S.263

Line III. Agricultural Research

1. **Meeting of the Regional Cooperative Program Advisory Committee** (February 19-21, 1976, Montevideo). Activity III.S.111

2. Seminar on the Evaluation of Agricultural Development Projects (Emphasizing Research Programs) (February 16-20, 1976, Montevideo). Activity III.S.114
3. Collaboration and Technical Assistance provided on the Organization and Getting Underway of Production Systems (1 July 1975 through 30 June 1976). Activity III.S.261
4. Advisory Services provided on the Organization and Functioning of Efficient Systems to Foster the Transfer of Technology to Rural Sectors (1 July 1975 through 30 June 1976, Montevideo). Activity III.S.262
5. Socio-economic Analysis of Animal Husbandry Productivity in the Tacuarembó Area (January through June 1976, Montevideo and Tacuarembó). Activity III.S.271
6. Comparative Economic Analysis of a Traditional Agricultural-Animal Husbandry System and an Improved System in the Young Area (January through March 1976, Montevideo and Young). Activity III.S.272
7. Comparative Economic Analysis between two Milk Production Systems - "Seasonal" and "Continuous" - at La Estanzuela (January through April 1976, Montevideo and La Estanzuela). Activity III.S.273
8. Economic Analysis of a Beef and Rice Production System for the Low Rice Areas of El Este (March through June 1976, Montevideo). Activity III.S.274
9. Economic Analysis of two Agricultural-Animal Husbandry Systems (June 1976, Montevideo and La Estanzuela). Activity III.S.275
10. Advisory Services provided the Experiment Station on Establishing Research Programs (1 July 1975 through 30 June 1976, Tacuarembó). Activity III.S.281
11. Collaboration provided on the Implementation of a Technical-Scientific Structure at the Experiment Station with respect to Research and Extension (1 July 1975 through 30 June 1976, Tacuarembó). Activity III.S.282
12. Study of the Organization and Management of Agricultural Enterprises (May through June 1976, Tacuarembó and Montevideo). Activity III.S.283

Line IV. Fostering Agricultural Production

1. Advisory Services provided on Economic Studies of Agricultural Productivity (1 July 1975 through 30 June 1976, Montevideo). Activity IV.S.161
2. Training in Rural Administration (September 1975 through June 1976, Montevideo). Activity IV.S.163
3. Collaboration provided the Agricultural Economic Research Office on Up-grading the Price and Marketing Information System (1 July 1975 through 30 June 1976, Montevideo). Activity IV.S.211
4. Collaboration provided on Marketing Studies conducted by OPYPA (1 July 1975 through 30 June 1976, Montevideo). Activity IV.S.212
5. Advisory and Training Services provided on Production Unit Programming (1 July 1975 through 30 June 1976, Montevideo). Activity IV.S.311
6. Advisory and Training Studies provided on Agro-economic Studies of Colonization Projects (1 July 1975 through 30 June 1976, Montevideo). Activity IV.S.313
7. Course on the Conservation of Soil and Waters (October 13-23, 1975, Rivera). Activity IV.S.314
8. Advisory Services provided on the Establishment and Strengthening of an Institutional Sub-system for the Conservation and Management of Land and Waters in Uruguay (1 July 1975 through 30 June 1976). Activity IV.S.441
9. Technical Advisory Services provided on the Study of Potential Irrigation Areas (1 July 1975 through 30 June 1976). Activity IV.S.443
10. Cooperation provided on a Study of Animal Husbandry Enterprises in an Area of Uruguay (1 July 1975 through 30 June 1976, Montevideo). Activity IV.S.512

Line VII. Administration of Agricultural Policy

1. Seminar on Methodologies for Evaluating Agricultural Development Projects (February 16-20, 1976, Montevideo). Activity VII.S.112
2. Advisory Services on the Development of Agricultural Policy Simulation Models (1 July 1975 through 30 June 1976, Montevideo). Activity VII.S.121

3. In-service Training on the Formulation and Operation of Simulation Models (1 July 1975 through 30 June 1976, Montevideo). Activity VII.S.122
4. Technical Meeting on Typifying Enterprises for Agricultural Policy Models (November 3-7, 1975, Montevideo). Activity VII.S.123
5. Support provided MAP on a Preliminary Study of Agricultural Regionalization at a National Level (1 July 1975 through 30 June 1976, Montevideo). Activity VII.S.351
6. Support provided on the Formulation and Implementation of a Development Program for a Priority Region in Uruguay (1 July 1975 through 30 June 1976, Montevideo). Activity VII.S.352
7. Meeting with Technicians of the Sub-lines to revise documents (supra) and prepare a definitive document for the institutional policy of the sub-line (November through December 1975, Montevideo). Activity VII.P.112
2. Study of the Demand for Agricultural Science Postgraduates in Venezuela (September 1975 through June 1976). Activity II.A.132
3. Philosophy, Preparation and Approval of Research Projects for the Postgraduate Programs in Venezuela (January 19-23, 1976, Maturin). Activity II.A.133
4. Advisory Services provided the Ministry of Agriculture and Livestock and the National Universities on Coordinating Postgraduate Activities in Agricultural Sciences (September 1975 through June 1976). Activity II.A.134
5. Teaching Methodology Course (December 1-11, 1975, Barquisimeto). Activity II.A.251
6. VI Meeting of the Venezuelan Association of Higher Agricultural Education (June 21-22, 1976, Maracay). Activity II.A.252
7. Meeting on Teaching Basic Sciences in Higher Agricultural Education (April 27-30, 1976, Maracay). Activity II.A.253

VENEZUELA

Line I. Analysis and Information on Rural Development

1. Revision of Information obtained from 1970 to 1973 on the Evolution of Agriculture and the Agricultural Institutions of Venezuela (August 1975 through June 1976, Caracas). Activity I.A.151
2. Up-dating Information on the Evolution of Agriculture and the Agricultural Institutions of Venezuela (August 18-29 and September 2-15, 1975). Activity I.A.152
3. National Meeting on the Implementation of SININCA (November 1975, Maracay). Activity I.A.241
4. Provision of Advisory Services to the National Agricultural Sciences Information Sub-system (July through August 1975, Maracay). Activity I.A.242
5. Participation in the VII AGRINTER Round-table (November 24-26, 1975, Maracay). Activity I.S.272
8. Provision of Advisory Services to the Faculty of Agronomy at Zulia, the Faculty of Forestry Sciences at the ULA and the National Experimental University at Tachira (September 15, 1975 through 30 June 1976, Caracas and Maracaibo). Activity II.A.254
9. Provision of Advisory Services to the Faculties of Agronomy at the Central University and at the University of Zulia and the Faculty of Animal Sciences at the University of the Oriente (15 September 1975, through 30 June 1976, Maracay, Maracaibo and Jusepín). Activity II.A.255
10. Provision of Advisory Services to the Schools of Agronomy and Veterinary Sciences at the Centro Occidental University, and the Faculty of Animal Sciences at the University of the Oriente, on the Consolidation of Self-study-systems (September 1975 through June 1976, Barquisimeto and Jusepín). Activity II.A.256
11. Technical Meeting of Animal Production Professors (May 26-28, 1976, Jusepín). Activity II.A.257

Line II. Agricultural Education

1. Technical Cooperation provided on the Development of Post Graduate-level Courses in Social Research and in Social Aspects of the Development Process (September 1975 through June 1976, Maracay). Activity II.A.131
12. National Encounter of Agricultural Mechanization Teachers and Researchers (May 19-22, 1976, Maracay). Activity II.A.258
13. Provision of Advisory Services to the Agricultural Development Office on Improving Administration and Management Aspects (1 July 1975 through 30 June 1976, Caracas). Activity II.A.341

14. Workshop on the Evaluation of Extension (May 3-5, 1976, Maracay). Activity II.A.343
15. Course on the Organization and Management of the Agricultural Development Office of the Ministry of Agriculture and Livestock (June 21-25, 1976, Turmero). Activity II.A.345

Line III. Agricultural Research

1. Collaboration provided the National Agricultural Research Fund (FONAIAP) on the Design of a Planning System (February through May 1976). Activity III.A.151
2. Collaboration provided FONAIAP on getting the Research Planning System Underway (September through December 1975 and February through April 1976). Activity III.A.152
3. Collaboration provided on the Study and Analysis of the Current Situation of Social and Economic Research Endeavors in the Agricultural Sector (November 1975 through April 1976). Activity III.A.241
4. Working Meeting to Define Socio-economic Research Programs for FONAIAP (May 24-26, 1976, Araure). Activity III.A.242

Line IV. Fostering Agricultural Production

1. Advisory Services provided the Agricultural Marketing Corporation (1 July 1975 through 30 June 1976, Caracas). Activity IV.A.151
2. Collaboration provided on the Implementation of a Marketing Information Service (1 July 1975 through 30 June 1976, Caracas). Activity IV.A.154
3. Third National Meeting on Agricultural Marketing Instruments: Marketing Information and Prognostication (May 11-14, 1976, Cumaná). Activity IV.A.155
4. Course on Marketing Research Methodology (25 August through 6 September 1975, El Laurel). Activity IV.A.156
5. Provision of Advisory Services to the National Planning Office of the Ministry of Agriculture and Livestock (1 July 1975 through 30 June 1976, Caracas). Activity IV.A.161
6. Support provided on the Postgraduate Course in Agricultural Administration (April 20-23, 1976, Barquisimeto). Activity IV.A.165
7. National Seminar on the Production of Forage Seed (June 16-18, 1976, Maracay). Activity IV.A.361

8. Formulation of a Diagnostic Study of the Agroindustry of Venezuela (1 July 1975 through 30 June 1976). Activity IV.A.541

Line VI. Promotion and Implementation of Structural Changes

1. Advisory Services provided the National Agrarian Institute on Cadastral Activities (1 July 1975 through 30 June 1976, Caracas). Activity VI.A.141
2. Advisory Services provided the National Agrarian Institute on Farm Assessment (1 July 1975 through 30 June 1976, Caracas). Activity VI.A.144
3. Seminar on Farm Assessment (January 19-20, 1976, Caracas). Activity VI.A.146
4. Collaboration provided the National Agrarian Institute on a System to Plan its Activities (March through June 1976, Caracas). Activity VI.A.1411
5. Advisory Services provided the University of the Andes in "Campesino" Enterprises (October 1975 through June 1976, Merida). Activity VI.A.251
6. Working Meeting on Planning "Campesino" Enterprises (January 20-21, 1976, Merida). Activity VI.A.252

Line VII. Administration of Agricultural Policy

1. Participation in Program MAC-76-1 of the Ministry of Agric & Livestock (May and June 1976, Caracas). Activity VII.A.116
2. Provision of Advisory Services to the Planning Office of the Ministry of Agric. & Livestock on its Annual Operative Programs (15 May through 30 June 1976, Caracas). Activity VII.A.161
3. Provision of Advisory Services to CONZUPLAN and CORPOZULIA on the Formulation of Agricultural Production Programs for the Zulia Region (September and November 1975 and January and June 1976). Activity VII.A.163
4. Diagnostic Study and Evaluation of the Agricultural Sectorial Planning Institutional Sub-system (July through December 1975). Activity VII.A.164
5. Development of a Simon Bolivar Fund Project in Venezuela (November 1975 through May 1976, Caracas). Activity VII.A.165

6. Evaluation of the Institutional Executor Mechanism of Development Policies for the Tropical Regions of Venezuela (1 July 1975 through 30 June 1976, Caracas). Activity VII.A.292
7. Collaboration on project programming for Line VI, in Accordance with IICA's Technical Policies for Venezuela (October 1975, Caracas). Activity VII.P.157

MULTINATIONAL ACTIVITIES

Line I. Analysis and Information on Rural Development

1. Support provided the Country Offices on the Formulation of their Respective National Plans (1 July 1975 through 30 June 1976, Bolivia, Colombia, Ecuador, Venezuela and Peru) Activity I.A.161
2. Backing provided the Ecuadorian Documentation Center and Library, through the Training of a Technician in Information Networks (23 November through 18 December 1975, Colombia, Costa Rica and Venezuela) Activity I.A.223
3. Strengthening CENTA's Information Services (May 1976, El Salvador and Mexico) Activity I.N.211
4. Participation in the Annual Programming Meeting of the Executive Offices (June 1976, Paraguay and Uruguay) Activity I.S.154
5. Planning and Implementation of an Action Plan to Consolidate the Incorporation of the Countries into AGRINTER and AGRIS (July through December 1975, Latin America and the Caribbean) Activity I.D.121
6. VII Round-table on the Implementation and Coordination of AGRINTER (1 July through 26 November 1975, Costa Rica and Venezuela) Activity I.D.123
7. Establishing Initial Contacts and Preliminary Bases for Making a Film on the AGRINTER System (1 July 1975 through 30 June 1976, Colombia and Costa Rica) Activity I.D.174
8. Visits and Contacts with the Regional and National Offices, on the Implementation of Information Hemispheric Policies, as described in the Public Information Regulations of the Institute (1 July 1975 through 30 June 1976) Activity I.O.121
9. Establishment of Permanent Contacts with Information Offices of the different Specialized Agencies of the Inter-American and World Systems, with the aim of Coordinating Efforts (July 1975) Activity I.O.122

Line II. Agricultural Education

1. In-service Training for Professors from the Atlantic Coast Regional University Center of Honduras (CURLA) (1 July 1975 through 30 June 1976, Costa Rica and Mexico) Activity II.N.223
2. Provision of Advisory Services to the Rural Youth Programs of the Northern Zone Countries (1 July 1975 through 30 June 1976, Costa Rica, El Salvador, Guatemala, and Nicaragua) Activity II.N.561
3. Visits to Exchange Information and Reciprocal Cooperation (1 July 1975 through 30 June 1976, Argentina, Brazil, Chile, Paraguay and Uruguay) Activity II.S.112
4. Advisory and Support Services provided Line II Programs in the Southern Zone (1 July 1975 through 30 June 1976, Brazil, Chile and Uruguay) Activity II.S.114
5. Postgraduate scholarships for Two Professors from the Faculties of Agricultural Engineering and Veterinary Sciences (1 July 1975 through 30 June 1976, Brazil and Chile) Activity II.S.257

Line III. Agricultural Research

1. Participation in the Formulation of a Research Proposal on "National Research Programs in Latin America" (January 1976, Colombia and Venezuela) Activity III.A.154
2. Collaboration provided the Research Offices on Common Planning Actions for the Andean Zone (September 1975 through May 1976, Bolivia, Colombia, Ecuador, Peru and Venezuela) Activity III.A.161
3. The Planning and Coordination of Germplasm Banks for High Andes Crops (August 1975 through June 1976, Bolivia and Peru) Activity III.A.332
4. Planning and Coordination of Forage Research (November 1975 through June 1976, Bolivia and Peru) Activity III.A.332
5. In-service training (1 July 1975 through 30 June 1976, Costa Rica and Venezuela) Activity III.N.162
6. Collaboration provided on the XXII PCCMCA Meeting (September 1975 through June 1976, Central America) Activity III.N.181

7. Collaboration provided on the Planning and Implementation of Regional Pulses Tests (1 July 1975 through 30 June 1976, Central America and Panama) Activity III.N.182
8. Support provided on the Exchange of Agricultural Research and Experimental Material, Between the countries of the Southern Zone (1 July 1975 through 30 June 1976, Argentina, Brazil, Chile, Paraguay and Uruguay) Activity III.S.112
9. Coordination of Research Activities in the Zone. Attendance at Agricultural Research Meetings and Conferences, and those with the World Animal Production Association Secretariat (1 July 1975 through 30 June 1976, Argentina, Brazil, Chile, Paraguay and Uruguay) Activity III.S.113

Line IV. Fostering Agricultural Production

1. In-service Training in Colombia and Venezuela of Three Peruvian Technicians, in Marketing Aspects (May 1976, Colombia and Venezuela) Activity IV.A.144
2. Cooperation provided on the Formulation of Credit Programs for Small and Medium Producers (1 July 1975 through 30 June 1976, El Salvador and Mexico) Activity IV.N.131
3. Advisory and Training Services provided on the Improved Functioning of the National Production Council (1 July 1975 through 30 June 1976, Costa Rica and Honduras) Activity IV.N.312
4. Advisory Services provided the National Foreign and Domestic Marketing Institute (INCEI) on the Analysis of its Marketing Programs (November 1975 through June 1976, Costa Rica and Nicaragua) Activity IV.N.371
5. Technical Advisory Services provided on the Prevention and Eventual Eradication of Coffee Rusts and Borers (August 1975 through June 1976, Costa Rica and Honduras) Activity IV.N.451
6. Support and Coordination provided the National Research Programs on Coffee Pests and Diseases (August 1975 through June 1976, Colombia, Costa Rica and El Salvador) Activity IV.N.453
7. In-service Training in Agricultural Marketing and Sectorial Organization (April 1976, Ecuador and Colombia) Activity IV.N.
8. Provision of Advisory Services on the Institutional Redefinition of the National Colonization Institute (1 July 1975 through 30 June 1976, Colombia and Uruguay) Activity IV.S.312
9. Exchange of Technicians and Information (1 July 1975 through 30 June 1976, Argentina, Brazil and Chile) Activity IV.S.411
10. Study of Billing Mechanisms used by Latin American Countries, to Charge for their Irrigation and Drainage Project Works (1 February through 30 June 1976, Argentina, Colombia, Chile and Peru) Activity IV.S.413

Line VI. Promotion and Implementation of Structural Changes

1. Reciprocal Training in "Campesino" Organization (May 1976, Colombia, Honduras and Peru) Activity VI.A.332
2. Reciprocal Training (Salvadorean Functionaries visit Peru and Panama to observe their Respective Agrarian Reform Processes) (25 November through 12 December 1975, Panama and Peru) Activity VI.N.131a
3. Publication and Distribution of Agrarian Reform Material (July through December 1975, Central American Isthmus) Activity VI.N.135
4. Management and Administration of PRACA (July through December 1975, Central American Isthmus) Activity VI.N.136
5. Exchange of Technical Personnel with Experience in the Organization and Backing of Associative Enterprises (April 1976, Argentina, Spain, France and Italy) Activity VI.S.213
6. Reciprocal Technical Training in Worker and Agricultural Production Associative Enterprises (March and June 1976, Argentina and Honduras) Activity VI.S.223

Line VII. Administration of Agricultural Policy

1. Analysis of the Units responsible for Preparing and Evaluating Projects (December 1975 through June 1976, Bolivia, Colombia, Ecuador and Peru) Activity VII.A.153
2. Manual for the Economic and Financial Evaluation of Projects: Programmed Institution (January through June 1976, Honduras and Nicaragua) Activity VII.N.164
3. Implementation of Results of the International Meeting on Production Systems for the American Tropics (1 July through 15 November 1975, Bolivia, Brazil, Colombia, Ecuador, Peru and Venezuela) Activity VII.S.221
4. Coordination of IICA/FAO Research on "Campesino" Enterprises (October 1975, Haiti, Panama and the Dominican Republic) Activity VII.P.1512

5. Reprogramming and Project Adjustment in the Andean Zone (January 1976, Peru and Colombia) Activity VII.P.113
6. Reprogramming and Project Adjustment in the Southern Zone (March through April 1976, Brazil and Uruguay) Activity VII.P.114
7. Reprogramming and Support on Institutional Diagnostic Studies and Programming (January through June 1976, Guatemala, Peru, Dominican Republic and Uruguay) Activity VII.P.132
8. Technical Meeting to Plan the Hemispheric Marketing Program (April 1976, Colombia and Peru) Activity VII.P.142
9. Planning, Programming and Coordinating the IICA/AID Project re: Cooperation on the Hemispheric Marketing Program (1 July 1975 through 30 June 1976, Haiti and the Dominican Republic) Activity VII.P.143
10. Direct Participation in Planning Aspects with the Regional and National Office Directors (1 July 1975 through 30 June 1976, Latin America) Activity VII.P.144
11. Cooperation provided on Programming the Agroindustry Actions of IICA (1 July 1975 through 30 June 1976, Latin America and the Caribbean) Activity VII.P.145
12. Development of a Marketing Communications and Information System between the Marketing and Agroindustry Program Specialists (1 July 1975 through 30 June 1976, Latin America) Activity VII.P.
13. Cooperation on Getting Actions Underway as recommended at the Technical Meeting of the Hemispheric Marketing Program in the Dominican Republic (1 July 1975 through 30 June 1976, Latin America) Activity VII.P.148
14. Reprogramming Activities with the Advisor and Technicians at each Regional Office (March through April 1976, Guatemala and Peru) Activity VII.P.162
15. Assistance provided the Regional Offices of IICA on Applying Technical Policies to Sectorial Planning (March through May 1976, Peru, Uruguay and Guatemala) Activity VII.P.172
16. Provision of Advisory Services to the Regional Office for the Antilles on the Formulation of Country-level Action Plans for Two Countries (March 1976, Jamaica and Guyana) Activity VII.P.182
17. Elaboration of a Document on Determining the Principal Tendencies for the Purpose of Evaluating the Agricultural Sector in Latin America and the Caribbean (July through December 1975, Argentina, Costa Rica and Chile) Activity VII.P.191
18. Discussion on the 1976-77 Operative Program Proposals at the Headquarters of each Operative Unit (February 1976, all Member States) Activity VII.P.216
19. Provision of Advisory Services to the IICA Budget Units on the Formulation of their Draft Projects for the 1976-77 Program-Budget (July 1975, Peru, Uruguay, Guatemala, Dominican Republic and Costa Rica) Activity VII.P.222
20. Evaluation of Program III.N.1 (Central America, Panama and Mexico) Activity VII.P.253
21. Joint Evaluation of the II.A.1 and II.S.1 Programs (Argentina, Peru, Brazil, Chile, Colombia, Uruguay and Venezuela) Activity VII.P.254

OTHER COUNTRIES

Line III. Agricultural Research

1. Cooperation provided the "International Crops Research Institute for the Semi-Arid Tropics" (ICRISAT-India) (18 October through 1 November 1975, India) Activity III.N.184
2. Participation in the V International Cacao Research Conference (September 1-9, 1975, Ibadan, Nigeria) Activity III.S.247

Line IV. Fostering Agricultural Production

1. International Conference on the Water Rights Systems in the World (30 August through 9 September 1975, Valencia, Spain) Activity IV.S.414

SUPPORT ACTIVITIES

ARGENTINA

1. Support and Coordination provided on the Regional Documentation Center Agreement - CEDIE (1 July 1975 through 30 June 1976)
2. Support and promotional services provided on the Constitution of a National Agricultural and Forestry Documentation and Information Sub-system

3. Support provided the National Meeting on the Agricultural and Forestry Documentation and Information Sub-system (November 1975)
4. Cooperation on the Management of a Preliminary Project for a National Agricultural Information Service (July through October 1975)
5. Promotion and Consolidation of the Participation of Argentina in the AGRINTER and AGRIS Systems for Latin America and the Caribbean (1 July 1975 through 30 June 1976)
6. Support provided in Personnel Training for the Operation of Integrated Agricultural Information Services (1 July 1975 through 30 June 1976)

BARBADOS

1. Promotion and Consolidation of the Participation of Barbados in the AGRINTER and AGRIS Systems for Latin America and the Caribbean (1 July 1975 through 30 June 1976)

BOLIVIA

1. Promotion and Consolidation of the Participation of Bolivia in the AGRINTER and AGRIS Systems for Latin America and the Caribbean (1 July 1975 through 30 June 1976)

BRAZIL

1. Support and Coordination provided on the National Agricultural Documentation and Information Sub-system (1 July 1975 through 30 June 1976)
2. Support and Coordination provided on the Library Development Program -VICOSA/IICA Agreement (1 July 1975 through 30 June 1976)
3. Advisory Services provided the Agricultural Libraries of Brazil
4. Provision of back-stopping services on the Consolidation of Brazil's participation in the AGRINTER and AGRIS Systems for Latin America and the Caribbean
5. Support provided the IICA-TROPICOS Documentation Services (1 July 1975 through 30 June 1976)
6. Support provided on Strengthening the Documentation Centers and Libraries in the American Tropics

7. Support provided on the Training of Agricultural Librarians and Documentalists

COLOMBIA

1. Support provided on the Implementation of a National Agricultural Documentation and Information Sub-system (1 July 1975 through 30 June 1976)
2. Provision of Advisory Services to the Agricultural Library of Colombia (1 July 1975 through 30 June 1976)
3. Promotion and Consolidation of the Participation of Colombia in the AGRINTER and AGRIS Systems for Latin America and the Caribbean (1 July 1975 through 30 June 1976)
4. Support provided a National Course on Training Agricultural Librarians and Documentalists (January through June 1976)

COSTA RICA

1. Promotion and Consolidation of the Participation of Costa Rica in the AGRINTER and AGRIS Systems for Latin America and the Caribbean (1 July 1975 through 30 June 1976)
2. Provide the National AGRINTER Coordinator Centers with Methods and Instruments for the Analysis of Agricultural Literature produced in the Country (1 July 1975 through 30 June 1976)
3. Provide the Libraries, Documentation Centers and National Agricultural Sub-systems with the Necessary Instruments to Ensure Reciprocal Cooperation on the Retrieval and Dissemination of Information (1 July 1975 through 30 June 1976)
4. Provide Bibliographic and Document Reproduction Services to the Countries (1 July 1975 through 30 June 1976)
5. Support provided on the Development of Agricultural Library Collections in the Countries, through IICA's System for the Distribution of Publications (1 July 1975 through 30 June 1976)
6. Support provided in Communications Training - IICA/UCR Agreement (1 July 1975 through 30 June 1976)

7. Support provided in Agricultural Research, Training and Rural Development, through the Publication of Books and Educational Material (1 July 1975 through 30 June 1976)
8. Support provided in Agricultural Research, Training and Rural Development, through the Publication of Specialized Journals (1 July 1975 through 30 June 1976)
9. Support provided in Training Agricultural Librarians and Documentalists (September through October 1975 and March through June 1976)

CHILE

1. Support provided the National Scientific Information Sub-systems for the Agricultural and Forestry Sector (1 July 1975 through 30 June 1976)
2. Promotion and Consolidation of the Participation of Chile in the AGRINTER and AGRIS Systems for Latin America and the Caribbean (1 July 1975 through 30 June 1976)

DOMINICAN REPUBLIC

1. Up-grading of a Professional Librarian through In-service Training
2. Diagnostic Study of National Library and Documentation Resources (July through December 1975)
3. Promotion and Consolidation of the Participation of the Dominican Republic in the AGRINTER and AGRIS Systems for Latin America and the Caribbean

ECUADOR

1. Support and Advisory Services provided the Documentation Center and Libraries at the Ministry of Agriculture and Livestock and IERAC (May through June 1976)
2. Cooperation provided the National Agricultural Information Agencies of Ecuador on the Structure of the National AGRINTER System (May 1976)
3. Promotion and Consolidation of the Participation of Ecuador in the AGRINTER and AGRIS Systems for Latin America and the Caribbean (1 July 1975 through 30 June 1976)

EL SALVADOR

1. Support provided on Strengthening the Information Service at the National Agricultural Technology Center (CENTA) (July through December 1975)
2. Promotion and Consolidation of the Participation of El Salvador in the AGRINTER and AGRIS Systems for Latin America and the Caribbean (1 July 1975 through 30 June 1976)
3. Support provided on the Training in the Organization and Administration of Documentation Centers and Libraries

GUATEMALA

1. Collaboration provided the Agricultural Libraries of Guatemala on Improving their Registry Systems (1 July 1975 through 30 June 1976)
2. Promotion and Consolidation of the Participation of Guatemala in the AGRINTER and AGRIS Systems for Latin America and the Caribbean (1 July 1975 through 30 June 1976)
3. Collaboration provided on Planning the IICA/ROCAP Project (Integrated Information System for the Agricultural Sector of the Central American Isthmus) (1 July 1975 through 30 June 1976)
4. Support provided in Training Personnel in Agricultural Information and Documentation

HAITI

1. Cooperation provided on Up-grading the National Agricultural Library of Haiti (1 July 1975 through 30 June 1976)
2. Cooperation provided on the Participation of the National Agricultural Library in the AGRINTER System (1 July 1975 through 30 June 1976)
3. Promotion and Consolidation of the Participation of Haiti in the AGRIS and AGRINTER Systems for Latin America and the Caribbean (1 July 1975 through 30 June 1976)

HONDURAS

1. Provision of Advisory Services on the Formulation of a Project to Develop the National Agricultural Documentation and Information Center (September 1975 through February 1976)

2. Promotion and Consolidation of the Participation of Honduras in the AGRINTER and AGRIS Systems for Latin America and the Caribbean (1 July 1975 through 30 June 1976)
3. In-service Training in Agricultural Documentation (February through April 1976)
4. Collaboration and Advisory Services provided on the Preparation of Material for Work with Rural Youth (January through June 1976)

JAMAICA

1. Promotion and Consolidation of the Participation of Jamaica in the AGRINTER and AGRIS Systems for Latin America and the Caribbean (1 July 1975 through 30 June 1976)

MEXICO

1. Support provided on the Creation of a National Agricultural Documentation and Information Sub-system (1 July 1975 through 30 June 1976)
2. Promotion and Consolidation of the Participation of Mexico in the AGRINTER and AGRIS Systems for Latin America and the Caribbean (1 July 1975 through 30 June 1976)
3. Support provided on the Second Training Course for Agricultural Librarians and Documentalists (September through November 1975)
4. Support provided at the Meeting of Agricultural Librarians and Documentalists of Mexico to study the Mechanisms for SNIA - National Agricultural Information Sub-system (January 1976)

NICARAGUA

1. Promotion and Consolidation of the Participation of Nicaragua in the AGRINTER and AGRIS Systems for Latin America and the Caribbean (1 July 1975 through 30 June 1976)

PANAMA

1. In-service Training of Panamanian Professionals from MIDA
2. Coordination on the Establishment of the Agricultural Documentation Center
3. Promotion and Consolidation of the Participation of Nicaragua in the AGRINTER and AGRIS Systems for Latin America and the Caribbean

PARAGUAY

1. Promotion and Consolidation of the Participation of Paraguay in the AGRINTER and AGRIS Systems for Latin America and the Caribbean

PERU

1. Promotion and Consolidation of the Participation of Peru in the AGRINTER and AGRIS Systems for Latin America and the Caribbean (1 July 1975 through 30 June 1976)

TRINIDAD-TOBAGO

1. Promotion and Consolidation of the Participation of Trinidad-Tobago in the AGRINTER and AGRIS Systems for Latin America and the Caribbean (1 July 1975 through 30 June 1976)

UNITED STATES OF AMERICA

1. Training of a Professional Librarian (October 1975)

URUGUAY

1. Promotion and Consolidation of the Participation of Uruguay in the AGRINTER and AGRIS Systems for Latin America and the Caribbean (1 July 1975 through 30 June 1976)

VENEZUELA

1. In-service Training in AGRINTER Methodology
2. Provision of Advisory Services to the National Agricultural Science Information Sub-system (July through August 1975)
3. Support provided the National Seminar on the National Agricultural Information Sub-system (November 1975)
4. Promotion and Consolidation of the Participation of Venezuela in the AGRINTER and AGRIS Systems for Latin America and the Caribbean (1 July 1975 through 30 June 1976)

MULTINATIONAL ACTIVITIES

1. Identification and Coordination of Activities in the Documentation and Information Sub-line, between the different IICA Offices and CIDIA (1 July 1975 through 30 June 1976)
2. Collaboration with other IICA Offices on the Identification of Strategies for Institution Building in Agricultural Information and Documentation (1 July 1975 through 30 June 1976)
3. Support provided on the Integration of National Agricultural Literature into AGRINTER (1 July 1975 through 30 June 1976)

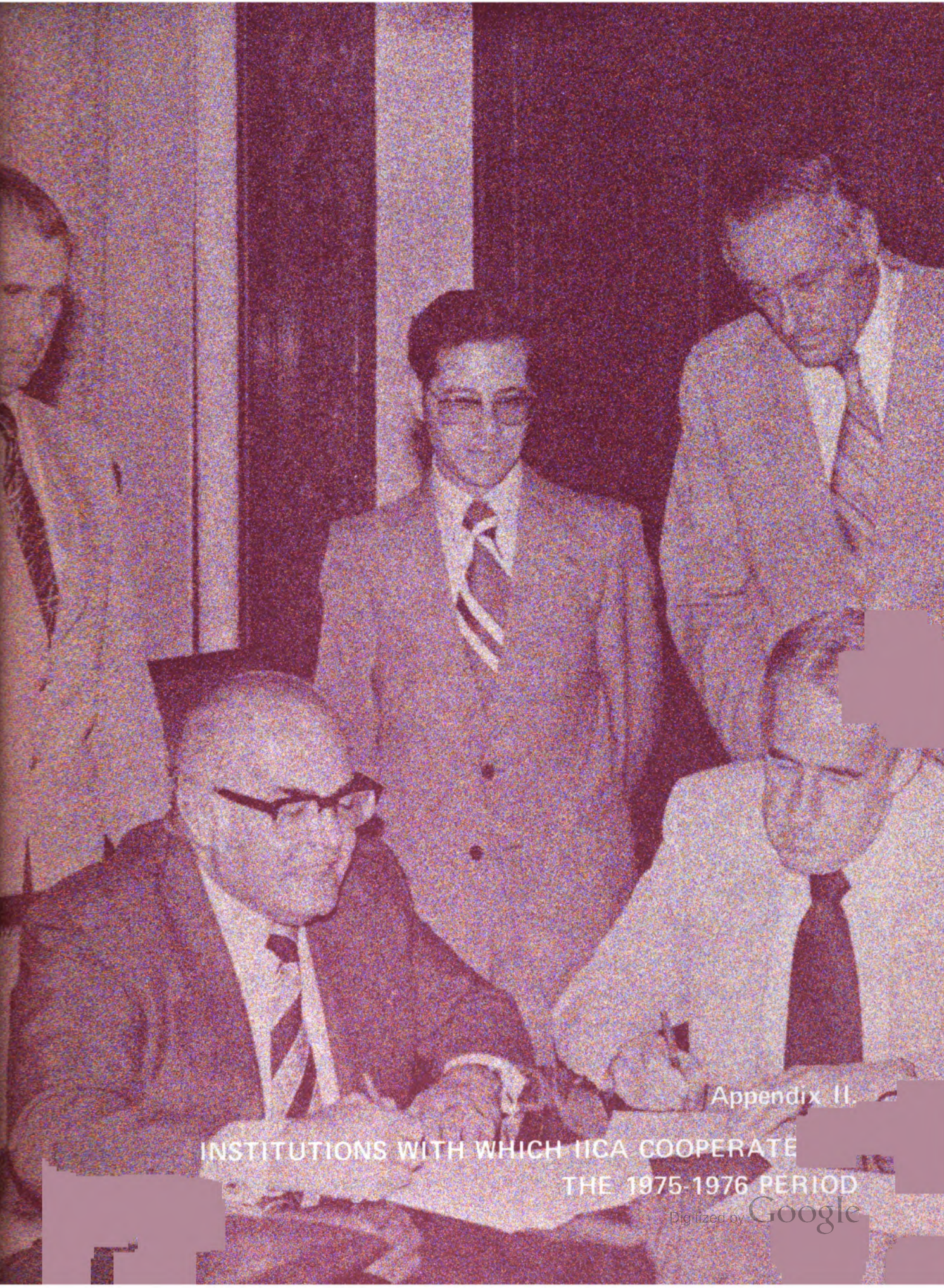
IICA PARTICIPATION IN MEETINGS ORGANIZED BY OTHER AGENCIES

Date	Meeting	IICA Represented by:	Ref.
1975			
Junio 2-6	I Seminario Regional sobre Adiestramiento para el Sector Público del Istmo Centroamericano Panamá	Noel García	DG/D-792-3
Junio 9-13	Consulta de Expertos en Investigación Agrícola en Latinoamérica Panamá	JE Araujo JD Marull MPaulette	F.500.7.2 B.15227 B.15731
Junio 10-12	World Congress on Educating Engineers for World Development Estes Park, Colorado – USA	E Blair	DG/D-712
Junio 11-13	IX Reunión de la Comisión Interamericana de Energía Nuclear (CIEN) Caracas, Venezuela	J Ramsay	F.500.1 B.16096
Junio 12-14	Laboratorio sobre Desarrollo Regional Heredia, Costa Rica	A Quesada	B.20496 F.400
Junio 23-28	Reunión Centroamericana de Dirigentes de Empresas Comunitarias Campesinas Panamá	LSandoval HRosado PTorrealba JMarquez Vaz LFlores	
Junio 30-Jul. 4	Conferencia Regional Preparatoria-América Latina de HABITAT: Conferencia de las Naciones Unidas sobre Asentamientos Humanos Caracas, Venezuela	JE Araujo A Franco	
Julio 5-12	I Congreso Nacional de Ciencias y Tecnología Caracas, Venezuela	FSylvester	
Julio 7-12	XII Congreso Panamericano de Carreteras San José, Costa Rica	JE Araujo MMorán JATorres	F.400 B.16528 DG/CE-746
Julio 16-30	Reunión Extraordinaria de Consulta – OEA Conferencia de Plenipotenciarios para las Reformas al TIAR San José, Costa Rica	JE Araujo JD Marull	DG/S-1012
± Julio 20	Seminario Internacional sobre Educación no formal en el Medio Rural: Investigación y Desarrollo México	FVillacís	
Julio 20-26	XXIII Congreso de la Sociedad Americana de Ciencias Hortícolas – Región Tropical Antigua, Guatemala	CEFernández	B.15886 F.400
Agosto 5-8	IV Reunión del Consejo Directivo del Instituto Interamericano del Niño Caracas, Venezuela	J Ramsay	B.17733 F.400

Date	Meeting	IICA Represented by:	Ref.
Agosto 12-22	V Congreso Latinoamericano de Ciencias del Suelo IV Coloquio Nacional sobre Suelos Medellín, Colombia	JEArāju MBlasco EBornemisza	
Agosto 24-29	Seminario Latinoamericano de Comunicación Brasilia	JDBordenave	
Agosto 30-Sep. 1	Reunión Internacional de los Países Amazónicos sobre Parques Nacionales, Manejo y Conservación de la Biota Amazónica Leticia, Colombia	MVillavisencio	B.20552 F.400
Sept. 1-9	Conferencia Internacional sobre los Sistemas de Derecho de Aguas en el Mundo Valencia, España	AMerea	B.18113 F.400
Sept. 28-Oct. 3	Congreso Internacional de Derecho Agrario Asunción, Paraguay	MRodríguez VHBuitrón	DG/D-1465 F.400
Octubre 3	XXIII Reunión del Consejo Directivo de la Organización Panamericana de Salud Washington, D.C.	EBlair	B.20496 F.400
Octubre 20-22	XXIII Reunión de CIRSA (OIRSA) San Salvador, El Salvador	CEFernández	B.20883 B.22964
Octubre 28-29	Reunión Grupo Internacional para el Desarrollo Agrícola en América Latina (GIDA/AL)	JEArāju EBlair JRangel	
Nov. 8-Dic. 5	V Reunión Asociación Latinoamericana de Producción Animal (ALPA) Caracas, Venezuela	ACardoza (HMuñoz)	B.16144-45 F.500/230.2
Nov. 11-18	XII Sesión de la Comisión de Mejoramiento de las Estadísticas Nacionales Lima, Perú	HTorres	B.23411 F.400
1976			
Enero 26-31	VII Reunión Ordinaria del CIECC San Salvador, El Salvador	JEArāju JRinguelet MTUrizar	Cables 48,49,50
Febrero 8-14	II Conferencia Internacional de Derecho y Administración de Aguas Caracas, Venezuela	HFuenzalida OChávez JLuque	B.24520 F.400
Febrero 9-14	Reunión Panamericana sobre Levantamientos Integrados y el Desarrollo de los Países Bogotá, Colombia	SGonzález	B.21913 F.400
Febrero 16-20	X Reunión de Ejecutivos de Reforma Agraria del Istmo Centroamericano Tegucigalpa, Honduras	LSandoval	B.23914 F.400
Marzo 29-Abr. 3	Seminario Nacional de Nutrición del Niño y la Familia – Instituto Interamericano del Niño Managua, Nicaragua	EMinioni MTUrizar	

Date	Meeting	IICA Represented by:	Ref.
Abril 4-14	Coloquio Internacional sobre la Imagen Prospectiva del Hombre en las Relaciones Europa-América Latina Villa de Leyva, Colombia	BYopo	B.21672 B.24800 F.400
Abril 5-8	IX Reunión Interamericana a nivel Ministerial sobre Control de la Fiebre Aftosa y otras Zoonosis – Caracas, Venezuela	NRas FSuárez	B.25168 F.400
Abril 19-24	Reuniones del CIAT Bogotá, Colombia	JDMarull	B.26055 F.500.43
Abril 21-23	Reunión Consultiva sobre Políticas Económicas para el Desarrollo de la Agricultura en América Latina Caracas, Venezuela	AFranco JRamsay	
Abril 21-29	XIV Conferencia Regional de FAO para América Latina y Conferencia CEPAL/FAO sobre Alimentación Lima, Perú	JEArājuo PRíos FSuárez MPaulette AFranco HTorres	B.25763
Abril 24-25	Reunión de los Programas Nacionales de Salud y Análisis de la Asistencia Técnica de los Organismos Internacionales San José, Costa Rica	JATorres	
Abril 25-28	I Seminario Internacional de Inversiones no Estado do Rio Grande do Sul Pôrto Alegre, Brasil	TBackerE. González	
Abril 27-Mayo 3	Reunión Técnica sobre “Control de Gestión de la Producción en Centros Agrícolas” Montevideo, Uruguay	NRas	B.24671 F.400
Mayo 10-15	Reunión del PNUD para Impulsar y Apoyar Cooperación Técnica entre Países en Desarrollo Lima, Perú	EVigués	
Mayo 14-16	I Reunión de Consulta del Grupo Internacional para el Desarrollo Agrícola en América Latina (GIDA/AL) Cancún, México	JEArājuo EBlair ACastronovo MMorán	DG/D-484 DG/D-520
Mayo 17-19	XVII Reunión Anual de la Asamblea de Gobernadores del BID Cancún, México	JEArājuo	B.23445 F.500.12
Mayo 17-22	Reunión del Grupo de Expertos sobre Habilitación Rural Naciones Unidas, New York	EBlair	B.25272
Mayo 18-21	LVI Reunión del Consejo Directivo del Instituto Interamericano del Niño Río de Janeiro, Brasil	LAMontoya JDBordenave	B.24540 F.400
Mayo 31-Junio 11	HABITAT – Conferencia de Naciones Unidas sobre Asentamientos Humanos Vancouver, Canadá	EBlair	B.15280 F.400
Junio 4-18	VI Período Ordinario de Sesiones de la Asamblea General de la OEA Santiago, Chile	JEArājuo TTonina	B.23228 F.500.1

Date	Meeting	IICA Represented by:	Ref.
Junio 10-13	Tercera Reunión Internacional sobre Autogestión Washington, D.C.	JSariego	B.26554 F.400
Junio 11-13	IX Reunión de la Comisión Interamericana de Energía Nuclear (CIEN) Caracas, Venezuela	JRamsay	
Junio 27-Julio 1	The World Food Conference of 1976 Ames, Iowa	JEArāju MMacDonald EVigués	B.25375 F.400
Junio 30-Julio 3	VI Reunión Ordinaria de la Asamblea General de la Asociación Latinoamericana de Instituciones Financieras de Desarrollo (ALIDE VI)	PRíos HTorres	DG/D-803



Appendix II

INSTITUTIONS WITH WHICH IICA COOPERATE

THE 1975-1976 PERIOD

Digitized by Google

INSTITUTIONS WITH WHICH IICA COOPERATED IN THE 1975–76 PERIOD

ARGENTINA

Asociación Argentina de Consorcios Rurales de Experimentación Agropecuaria (AAGREA)

Asociación de Cooperativas de Trabajo de la República Argentina (ACTRA)

Banco de la Nación Argentina

Bolsa de Cereales de Buenos Aires

Centro Educativo Polivalente de la Provincia de La Pampa

Centro de Documentación sobre Investigación y Enseñanza Superior Agropecuaria de la Zona Sur (CEDIE)

Compañía Nacional Azucarera (CONASA)

Confederación Intercooperativa Agropecuaria (CONINAGRO)

Consejo Agrario Nacional (CAN)

Consejo Federal de Inversiones (CFI)

Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET)

Consejo Provincial de Aguas, Provincia de La Pampa

Cooperativa de Trabajo Independencia Ltda.

Cooperación Argentina de Productores

Corporación de Desarrollo del Valle del Río Colorado (CORFO-RIO COLORADO)

Corporación del Mercado Central de Buenos Aires (CMCBA)

Departamento General de Irrigación, Provincia de Mendoza

Dirección de Colonización, Provincia de Tucumán

Dirección de Colonización y Riqueza Forestal, Provincia de Santa Fe

Dirección de Fomento Agrícola, Provincia de Tucumán

Dirección General de Irrigación, Provincia de Tucumán

Direcciones de Tierra y Colonización, varias provincias

Empresa de Agua y Energía Eléctrica

Ente Provincial de Río Colorado

Finca La Agrícola de Cimalco SA.

Instituto de Desarrollo de Ejecutivos de Argentina (IDEA)

Instituto de Desarrollo del Valle Inferior del Río Negro (IDEVI)

Instituto de Estudios Económicos y Sociales

Instituto Nacional de Vitivinicultura

Instituto Nacional de Planeamiento Económico (INPE)

Instituto Nacional de Tecnología Agropecuaria (INTA)

Dirección Nacional

Centro Nacional de Castelda

EERA en varias regiones

Instituto de Colonización en varias provincias

Mercados Mayoristas de Buenos Aires

Ministerio de Agricultura y Ganadería, Chaco

Dirección de Planificación

Dirección de Economía Agraria

Ministerio de Asuntos Agrarios, Misiones

Ministerio de Economía, Provincia de Tucumán

Secretaría de Agricultura y Ganadería

Ministerio de Cultura y Educación

Dirección Nacional de Enseñanza Agropecuaria

Ministerio de Obras Públicas, Provincia de La Pampa

Organismos Gremiales y Cooperativas de Productores

Secretaría de Estado de Agricultura y Ganadería

Servicio Agrario Internacional

Dirección Nacional de Economía y Sociología Rural

Dirección de Frutas y Hortalizas
Secretaría de Estado de Comercio
Subsecretaría de Sistemas Comerciales
Secretaría de Estado de Recursos Naturales y Ambiente Humano
Subsecretaría de Recursos Hídricos
Secretaría de Estado de Ciencia y Técnica
Secretaría Técnica de Planeamiento, Misiones
Universidad Argentina de la Empresa (UADE)
Universidad de Buenos Aires
Facultad de Agronomía
Biblioteca Central, Facultad de Agronomía
Universidad del Litoral, Rosario
Facultad de Agronomía
Universidad Nacional de Santiago del Estero
Universidad Nacional de Tucumán
Facultad de Agronomía

BOLIVIA

Ministerio de Relaciones Exteriores y Culto
Ministerio de Asuntos Campesinos y Agropecuarios
Ministerio de Finanzas
Ministerio de Educación y Cultura
Ministerio de Industria, Comercio y Turismo
Ministerio de Planeamiento y Coordinación
Ministerio de Secretaría de Deportes y Juventudes
Instituto de Investigación Cultural para la Educación Popular (INDICEP)
Instituto Nacional de Colonización
Instituto Boliviano de Tecnología Agropecuaria
Servicio Nacional de Desarrollo de Comunidades
Consejo Nacional de Reforma Agraria
Empresa Nacional del Arroz
Proyecto Abapó Izozog

Centro Nacional de Desarrollo Forestal
Banco Central
Banco del Estado
Banco Agrícola de Bolivia
Corporación Boliviana de Fomento
Corporación de las Fuerzas Armadas para el Desarrollo
Corporación de Desarrollo de La Paz
Corporación de Desarrollo de Oruro
Corporación de Desarrollo de Potosí
Corporación de Desarrollo de Chuquisaca
Corporación de Desarrollo del Noroeste
Comité de Obras Públicas y Desarrollo de Santa Cruz
Comité de Obras Públicas y Desarrollo del Beni
Comité de Desarrollo y Obras Públicas de Tarija
Corporación de Desarrollo de Cochabamba
Consejo Nacional de Educación Superior
Universidad Boliviana Mayor de San Andrés, La Paz
Universidad Boliviana Mayor de San Simón, Cochabamba
Universidad Boliviana Tomás Frías, Potosí
Universidad Boliviana Gabriel René Moreno
Universidad Boliviana Misael Saracho, Tarija
Universidad Boliviana Gral. José Ballivian, Beni
Universidad Boliviana Técnica de Oruro
Centro para el Desarrollo Social y Económico (DESEC)
Centro de Investigación y Promoción del Campesinado (CIPCA)
Fundación Islas Verdes
Fundación Boliviana para el Desarrollo
Instituto de Investigación y Acción para el Desarrollo (IMADES)
Coordinación y Estudios en el Exterior (CODEX)
Caritas-Boliviana

BRAZIL

Ministério da Agricultura

Ministério da Educação e Cultura

Ministério da Indústria e Comércio

Ministério das Minas e Energia

Ministério das Relações Exteriores

Ministério do Interior

Conselho de Desenvolvimento Econômico, CDE

Secretaria de Planejamento, SEPLAN

Subsecretaria de Planejamento e Orçamento, SUPLAN-MA

Unidades Regionais e Comissões Estaduais de Planejamento Agrícola

Conselho Nacional de Desenvolvimento Científico e Tecnológico, CNPq (SEPLAN)

Comissão Nacional de Pesquisa Agropecuária e de Assistência Técnica e Extensão Rural, COMPATER (MA)

Empresa Brasileira de Pesquisa Agropecuária, EMBRAPA (MA)

Empresa Brasileira de Assistência Técnica e Extensão Rural, EMBRATER (MA)

Comissão Coordenadora da Política Nacional de Crédito Rural, COMCRED

Banco Nacional de Crédito Cooperativo, BNCC (MA)

Banco Central do Brasil

Banco do Brasil, S.A.

Instituto Brasileiro de Desenvolvimento Forestal, IBDF (MA)

Superintendência do Desenvolvimento da Pesca, SUDEPE (MA)

Instituto do Açúcar e do Alcool, IAA (MIC)

Comissão Executiva do Plano da Lavoura Cacaueira, CEPLAC (MA)

Instituto Brasileiro do Café, IBC

Superintendência da Borracha, SUDHEVEA (MIC)

Conselho Nacional de Abastecimento

Comissão de Financiamento da Produção CFP (MA)

Superintendência Nacional de Abastecimento, SUNAB (MA)

Companhia Brasileira de Alimentos, COBAL (MA)

Companhia Brasileira de Armazenamento, CIBRAZEM (MA)

Instituto Nacional de Colonização e Reforma Agrária, INCRA (MA)

Superintendência do Desenvolvimento da Amazônia, SUDAM (MINTER)

Superintendência do Desenvolvimento do Nordeste, SUDENE (MINTER)

Superintendência do Desenvolvimento da Região Centro-Oeste, SUDECO (MINTER)

Superintendência do Desenvolvimento da Região Sul, SUDESUL (MINTER)

Companhia de Desenvolvimento do Vale do São Francisco, CODEVASF (MINTER)

Departamento Nacional de Obras Contra as Secas, DNOCS (MINTER)

Programa de Pólos Agropecuários e Agrominerais da Amazônia, POLAMAZONIA

Programa de Desenvolvimento de Áreas Integradas do Nordeste, POLONORDESTE

Programa de Desenvolvimento do Cerrados, POLOCENTRO

Universidade Federal do Acre

Universidade do Amazonas

Universidade Federal do Pará

Universidade Federal de Alagoas

Universidade Federal do Bahia

Universidade Federal do Ceará

Universidade Federal do Maranhão

Universidade Federal da Paraíba

Universidade Federal de Pernambuco

Universidade Federal Rural de Pernambuco

Universidade Federal do Piauí

Universidade Federal do Rio Grande do Norte

Universidade Federal de Sergipe

Universidade de Brasília

Universidade Federal de Goiás

Universidade Federal de Mato Grosso

Universidade Federal do Espírito Santo
Universidade Federal do Rio de Janeiro
Universidade Federal de Minas Gerais
Universidade Federal de Juiz do Fora
Universidade Federal de Ouro Preto
Universidade Federal de Viçosa
Universidade Federal Fluminense
Universidade Federal Rural do Rio de Janeiro
Universidade Federal de São Carlos
Universidade Federal do Paraná
Universidade Federal do Rio Grande do Sul
Universidade Federal de Pelotas
Universidade Federal de Santa Maria
Universidade Federal de Santa Catarina
Universidade Estadual de Mato Grosso
Universidade do Estado de Guanabara
Universidade de São Paulo
Universidade Estadual de Campinas
Universidade Estadual de Londrina
Universidade Estadual de Ponta Grossa
Universidade Católica de Salvador
Universidade de Fortaleza
Universidade Católica de Pernambuco
Universidade Católica de Goiás
Pontificia Universidade Católica do Ríó de Janeiro
Universidade Gama Filho
Universidade Católica de Minas Gerais
Universidade de Uberlandia
Universidade Católica de Petropolis
Pontificia Universidade Católica de São Paulo
Universidade Mackenzie
Pontificia Universidade Católica de Campinas
Universidade de Mogi das Cruzes

Universidade Católica do Paraná
Pontificia Universidade Católica do Rio Grande do Sul
Universidade de Caxias do Sul
Universidade de Passo Fundo
Universidade Católica de Pelotas
Universidade do Rio Grande
Universidade do Vale do Rio Dos Sinos

COLOMBIA

Alcaldía de Bucaramanga
Almacenes Generales de Depósito Santa Fé, S.A. (ALMAVIVA)
Almacenes Generales de Depósito de Creditario e IDEMA (INAGRARIO)
Asociación Bancaria
Asociación Nacional de Industriales (ANDI)
Ayuda Estudiantil
Banco de la República
Banco Ganadero
Biblioteca Agropecuaria de Colombia (BAC)
Bolsa Agropecuaria de Colombia
Cadena de Supermercados—CARULLA
Caja de Crédito Agrario, Industrial y Minero
Central de Cooperativas de Reforma Agraria (CECORA)
Centro de Documentación (CENDI)
Centro de Especialización e Investigación en Mercadeo Agropecuario (CEIMA)
Centro de Investigación y Acción Social (CIAS)
Centro Nacional de Investigaciones del Café (CENICAFE)
Comité de Cafeteros
Campaña Forestal del Risaralde
Corporación Autónoma Regional del Cauca (CVC)
Corporación Autónoma Regional del Quindío
Corporación Autónoma Regional de la Sabana de Bogotá y de los Valles de Ubaté y Chiquinquirá (CAR)

Corporación Forestal de Nariño	Ministerio de Agricultura
Departamento Administrativo de Planeación de Boyacá	Ministerio de Defensa
Departamento Administrativo de Planeación de Cundinamarca	Ministerio de Desarrollo Económico
Departamento Administrativo Nacional de Estadística (DANE)	Molinos Tequendama
Departamento Nacional de Planeación	Oficina de Planeación del Sector Agropecuario (OPSA)
Empresa de Energía Eléctrica de Bogotá	Programa Multidisciplinario para el Desarrollo de la Orinoquía y Amazonía Colombiana
Empresa Colombiana de Productos Perecederos (EMCOPER)	Programa Nacional de Capacitación Agropecuaria (PNCA)
Empresa Colombiana de Productos Veterinarios (VECOL)	Secretaría de Agricultura de Antioquia
Empresas Municipales de Cali (EMCALI)	Secretaría de Agricultura de Cundinamarca
Empresas Varias de Medellín (EEVV)	Secretaría de Agricultura de Santander
Federación Nacional de Arroceros (FEDEARROZ)	Secretaría de Desarrollo de Boyacá
Federación Nacional de Cafeteros de Colombia (FEDERACAFE)	Secretaría de Enseñanza de la Escuela para Graduados del PEG-ICA
Federación Nacional de Comerciantes (FENALCO)	Servicio Nacional de Aprendizaje (SENA)
Federación Nacional de Ganaderos (FEDEGAN)	Servicio Nacional de Información (SNI)
Fondo Colombiano de Investigaciones Científicas y Proyectos Especiales Francisco José de Caldas (COLCIENCIAS)	Servicio Nacional de Información Agrícola (SNICA)
Fondo de Promoción de Exportaciones (PROEXPO)	Sociedad de Agricultores y Ganaderos de Colombia (SAD)
Fondo Financiero Agropecuario	Subsistema Nacional de Información en Ciencias Agropecuarias
Gobernación de Cundinamarca	Superintendencia Nacional de Cooperativas
Instituto Colombiano Agropecuario (ICA)	Unión de Cooperativas Nacionales (UCONAL)
Instituto Colombiano de Bienestar Familiar	Unión de Trabajadores de Santander (UTRASAN)
Instituto Colombiano de Comercio Exterior (INCOMEX)	Universidad de Bogotá Jorge Tadeo Lozano
Instituto Colombiano de la Reforma Agraria (INCORA)	Universidad de Caldas
Instituto Colombiano de Desarrollo Social (ICODES)	Universidad de Córdoba
Instituto de Desarrollo de los Recursos Naturales Renovables (INDERENA)	Universidad de Nariño
Instituto Geográfico Agustín Codazzi	Universidad del Tolima
Instituto de Mercadeo Agropecuario (IDEMA)	Universidad de los Andes
Instituto Técnico Agrícola	Universidad Distrital
Instituto Técnico Universitario de Fusagasugá	Universidad Industrial de Santander (UIS)
	Universidad Nacional de Colombia
	Universidad Pedagógica y Tecnológica de Colombia

Universidad Santo Tomás de Aquino
Universidad Tecnológica del Magdalena

COSTA RICA

Ministerio de Agricultura y Ganadería
Consejo Nacional de Producción
Instituto de Tierras y Colonización
Instituto de Fomento Cooperativo
Universidad de Costa Rica
Universidad Nacional Autónoma
Comité Coordinador del Desarrollo Integral de La Cuenca Baja del Río Tempisque (CODEINTE)
Consejo Agropecuario Nacional y Oficina Sectorial de Planificación Agropecuaria
Instituto Tecnológico Nacional
Oficina Nacional de Planificación

CHILE

Ministerio de Relaciones Exteriores
Dirección de Protocolo
Dirección de Organismos Internacionales
Ministerio de Agricultura
Subsecretaría de Agricultura
Oficina de Planificación Agrícola (ODEPA)
Servicio Agrícola y Ganadero (SAG)
División de Conservación de Recursos Naturales (DICOREN)
División de Producción Agropecuaria (DIPA)
Corporación de la Reforma Agraria (CORA)
Instituto de Desarrollo Agropecuario (INDAP)
Instituto de Investigaciones Agropecuarias (INIA)
Instituto de Recursos Naturales (IREN)
Instituto Forestal de Chile
Instituto de Capacitación e Investigación en Reforma Agraria (ICIRA)
Empresa Nacional de Semillas (ENDS)

Ministerio de Obras Públicas
Dirección General de Obras Públicas
Dirección General de Aguas
Dirección de Riego
Oficina de Planificación Nacional (ODEPLAN)
Comisión Nacional de Investigación Científica y Tecnológica (CONICYT)
Comisión Nacional de Riego
Ministerio de Educación
Dirección de Educación Profesional
Departamento de Educación Agrícola
Consejo de Rectores de las Universidades Chilenas
Comisión Permanente de las Ciencias Agropecuarias y Forestales (CAF)
Programa Permanente para Graduados en Ciencias Agropecuarias y Forestales
Facultad de Agronomía, Universidad de Chile
Facultad de Medicina Veterinaria, Universidad de Chile
Facultad de Ciencias Forestales, Universidad de Chile
Facultad de Agronomía, Universidad Católica de Chile
Escuela de Agronomía, Universidad Católica de Valparaíso
Escuela de Agronomía, Universidad de Concepción
Escuela de Medicina Veterinaria, Universidad de Concepción
Facultad de Ciencias Agrarias, Universidad Austral de Chile
Facultad de Medicina Veterinaria, Universidad Austral de Chile
Facultad de Ingeniería Forestal, Universidad Austral de Chile
Ministerio de Economía
Empresa de Comercio Agrícola (ECA)
Instituto Nacional de Capacitación (INACAP)
Corporación de Fomento de la Producción (CORFO)
Colegio de Ingenieros Agrónomos

Colegio de Médicos Veterinarios
Asociación de Ingenieros Forestales
Sociedad de Medicina Veterinaria de Chile
Colegio de Técnicos y Prácticos Agrícolas
Centros Bibliotecarios Agropecuarios y Forestales
Sociedad Nacional de Agricultura
Centro de Estudios Agrarios
Sociedad Agronómica de Chile

DOMINICAN REPUBLIC

Secretaría de Estado de Agricultura

Despacho del Secretario

Subsecretaría Técnica de Planificación

Subsecretaría de Investigación, Extensión y Capacitación

Departamento de Economía Agropecuaria

Departamento de Estadística y Cómputos

Departamento de Información y Divulgación Pública

Instituto Nacional de Estabilización de Precios (INESPRE)

Instituto Agrario Dominicano

Instituto de Estabilización de Precios

Instituto Superior de Agricultura

Instituto Politécnico Loyola

Instituto del Tabaco

Instituto Dominicano Gregg

Banco Agrícola

Banco Central de la República Dominicana

Biblioteca Nacional

Universidad Autónoma de Santo Domingo

Biblioteca

Facultad de Agronomía

Universidad Nacional Pedro Henríquez Ureña

Biblioteca

Facultad de Agronomía

Escuela Agrícola Salesiana

Oficina Nacional de Estadística

Centro Dominicano de Promoción de Exportaciones (CEDOPEX)

Ayuntamiento de Santo Domingo

Dirección General de Control de Precios

Sociedad Industrial Dominicana

Oficina de Desarrollo de la Comunidad

ECUADOR

Ministerio de Agricultura y Ganadería

Dirección General de Desarrollo Rural

Dirección General de Desarrollo Agrícola

Dirección General de Comercialización y Empresas

Dirección General de Desarrollo Ganadero

Dirección General de Desarrollo Forestal

Dirección General de Planificación

Ministerio de Bienestar Social y Trabajo

Dirección Nacional de Promoción y Bienestar Social

Instituto Nacional de Investigaciones Agropecuarias (INIAP)

Instituto Ecuatoriano de Recursos Hidráulicos (INERHI)

Instituto Ecuatoriano de Reforma Agraria y Colonización (IERAC)

Empresa Nacional de Almacenamiento y Comercialización (ENAC)

Empresa Nacional de Productos Vitales (ENPROVIT)

Comisión de Estudios para el Desarrollo de la Cuenca del Río Guayas (CEDEGE)

Centro de Reversión Económica del Austro (CREA)

Programa de Desarrollo del Sur del Ecuador (PREDESUR)

Centro de Rehabilitación de Manabí (CRM)

Comisión Especial de Poza Honda (CEPH)
Junta Nacional de Planificación (JUNAPLA)
Banco Nacional de Fomento (BNF)
Oficina Nacional de Avalúos y Catastros (ONAC)
Conscripción Agraria Militar Ecuatoriana (CAME)
Universidad Central
Universidad Técnica de Esmeraldas
Universidad Nacional de Loja
Universidad de Guayaquil
Central Ecuatoriana de Servicios Agrícolas (CESA)
Fundación Rural Brethen-Unida
Programa Nacional del Arroz, Maíz y control de Piladoras y Molinos del Ecuador
Piladora Modelo del Banco Nacional de Fomento
Cruz Roja del Ecuador
Empresa Mixta de Semillas
Comisión de Valores-Corporación Financiera Nacional
Programa Nacional del Banano y Frutas Tropicales
Programa de Promoción de Empresas Agrícolas
Programa Nacional de Caña de Azúcar
Fondo Nacional de Preinversión (FONAPRE)

EL SALVADOR

Ministerio de Planificación y Coordinación del Desarrollo Económico y Social
Ministerio de Agricultura y Ganadería
 Oficina Sectorial de Planificación Agropecuaria
 Centro Nacional de Tecnología Agropecuaria
 Dirección General de Sanidad y Reproducción Animal
 Dirección General de Economía y Planificación Agropecuaria
 Departamento de Administración Financiera
 Departamento de Información Agropecuaria
Fomento y Cooperación Comunal con Esfuerzo Propio y Ayuda Mutua (FOCCO)

Instituto Salvadoreño de Investigaciones del Café
Instituto Salvadoreño de Transformación Agraria
Dirección General de Estadísticas y Censos
Facultad de Ciencias Agronómicas
Departamento de Ciencias Agrícolas de la Universidad "José Simeón Cañas"
Ministerio de Educación (Bachilleratos Agrícolas)
Instituto Regulador de Abastecimiento

GUATEMALA

Unidad Sectorial de Planificación Agrícola (USPA)
Instituto Nacional de Transformación Agraria (INTA)
Facultad de Agronomía, USAC
Facultad Regional de Ingeniería Sanitaria (USAC)
Banco Nacional de Desarrollo Agrícola (BANDESA)
Instituto Nacional Forestal (INAFOR)
Instituto Nacional de Electrificación (INDE)
Instituto Geográfico Nacional (IGN)
Instituto de Sismología, Vulcanología, Meteorología e Hidrología (INSIVUMEH)
Consejo Nacional de Planificación Económica (CONAPLAN)
Banco de Guatemala
División de Extensión y Adiestramiento Agrícola de Guatemala
Dirección General de Servicios Agrícolas (DIGESA)
Instituto de Ciencia y Tecnología Agrícola (ICTA)
Instituto Técnico de Agricultura
Dirección de Enseñanza y Capacitación
Comité Nacional de Emergencia (CNE)
Cooperativas de Ahorro y Crédito de Guatemala (FENACOAC)
Bibliotecas Agrícolas
Dirección General de Estadística y Censos

HAITI

Biblioteca de la Facultad de Agronomía y Medicina Veterinaria

Centre Haitien d'Investigation en Sciences Sociales (CHISS)

Comite de Coordination de l'Enseignement Agricole (COCEA)

Consejo Nacional de Desarrollo y de Planificación (CONADEP)

Department de l'Education Nationale

Departamento de Agricultura, Recursos Naturales y Desarrollo Rural (DARNDR)

Departamento de Comercio e Industria

Facultad de Agronomía y Medicina Veterinaria de la Universidad del Estado de Haití (FAMV)

Facultad de Etnología de la Universidad del Estado de Haití

Instituto de Desarrollo Agrícola e Industrial (IDAI)

Instituto Haitiano de Promoción del Café y otros productos de exportación (IHPCADE)

Organismo de Desarrollo de la Llanura Gonaives (ODPG)

Organismo de Desarrollo del Valle del Artibonita (ODVA)

Proyecto Integrado de Bas Boen (OEA/HAITI/ISRAEL)

Proyecto integrado de Desarrollo de Petit Goave-Petit Trou de Nippe (ACDI/HAITI)

HONDURAS

Consejo Superior de Planificación Económica

Banco Nacional de Fomento

Instituto Nacional Agrario

Secretaría de Recursos Naturales

Comité de Coordinación del Sector Agrícola (CoCo)

Centro Universitario Regional del Litoral Atlántico

Escuela Nacional de Ciencias Forestales

Escuela Normal España

Escuela Nacional de Agricultura de Catacamas

Escuela Agrícola John F. Kennedy

Ministerio de Hacienda y Crédito Público

Ministerio de Educación Pública

Ministerio de Salud Pública

Instituto Departamental de Oriente

Instituto Nacional de Formación Profesional

Instituto Hondureño del Café

Instituto Superior de Profesorado "Francisco Morazán"

Instituto "18 de Noviembre"

Comisión Regional de Reforma Educativa

Junta Nacional de Bienestar Social

Fuerzas Armadas de Honduras

Cáritas de Honduras

SEMPE

Patronato Nacional de la Infancia

PROCCARA

Corporación Hondureña de Desarrollo Forestal

Servicio Autónomo Nacional de Acueductos y Alcantarillados

Empresa Nacional de Energía Eléctrica

Federación de Cooperativas Agropecuarias

Asociación Nacional de Campesinos de Honduras

Unión Nacional de Campesinos

Federación Nacional de Agricultores y Ganaderos de Honduras

Catastro Nacional

Banco Central de Honduras

JAMAICA

Ministerio de Agricultura

Ministerio de Educación

Ministerio de Recursos Naturales

Extension Service Division

Land Lease

Soils and Crops Department

Agricultural Training Unit

Land Authorities

Crop Production Unit

Unidad de Conservación de Suelos

Livestock Division M.A.
Agricultural Census Unit
Jamaica Development Bank
University of West Indies
Jamaica School of Agriculture
Statutory Bodies
Jamaica Industrial Development Corporation J.I.D.C.
Agricultural Marketing Corporation A.M.C.
Meteorological Offices M.R.N.
National Planning Agency
Social Development Commission

MEXICO

Consejo Nacional de Ciencia y Tecnología (CONACYT)
Instituto Nacional de Investigaciones Agrícolas (INIA)
Instituto Nacional de Investigaciones Pecuarias (INIP)
Escuela Nacional de Agricultura, Chapingo (ENA) (Universidad Agraria actualmente)
Escuela Nacional de Fruticultura
Universidad Autónoma de Chihuahua
Universidad Autónoma de Guerrero
Universidad Autónoma Agraria Antonio Narro (UAAAN)
Escuela Superior de Agricultura Hermanos Escobar
Asociación Mexicana de Educación Agrícola Superior (AMEAS)
Asociación Mexicana de Facultades y Escuelas de Medicina Veterinaria y Zootecnia (AMFEMVZ)
Colegio Superior de Agricultura Tropical, Cárdenas
Fideicomiso del Plan Chontalpa
Dirección General de Educación Extraescolar en el Medio Rural
Comisión Nacional de Fruticultura (CONAFRUT)
Centro de Capacitación y de Estudios del IMCE
Dirección de Planificación Educativa de la SEP
Dirección de Coordinación Educativa de la SEP

Comisión Coordinadora del Sector Agropecuario (COCOSA)
Compañía Nacional de Subsistencias Populares (CONASUPO)
Secretaría de Reforma Agraria (SRA)
Instituto Mexicano de Comercio Exterior (IMCE)
Secretaría de la Presidencia
Secretaría de Agricultura y Ganadería (SAG)
Secretaría de Recursos Hidráulicos (SRH)
Programa Campesino del CNP
Banco de México
Banco Nacional Agropecuario
Dirección General Coordinadora de la Programación Económica y Social
Dirección General de Agricultura de la SAG
Comisiones Coordinadoras del Sector Agropecuario de Nayarit, Michoacán y Jalisco
Aseguradora Nacional Agrícola y Ganadera

NICARAGUA

Dirección de Planificación Sectorial
Dirección General de Investigaciones Agropecuarias
Dirección de Recursos Naturales Renovables
Banco Central de Nicaragua
Banco Nacional de Nicaragua
Oficina Ejecutiva de Encuestas y Censos
Servicio de Consulta y Capacitación Agropecuaria
Ministerio de Agricultura y Ganadería
Ministerio de Educación Pública
Instituto de Comercio Exterior e Interior
Escuela Nacional de Agricultura y Ganadería
Centro Experimental del Algodón
Instituto de Fomento Nacional
Instituto de Bienestar Campesino
Instituto Nicaragüense del Café
Servicio de Documentación para el Desarrollo

PANAMA

Ministerio de Desarrollo Agropecuario

Dirección Nacional de Reforma Agraria

Dirección Nacional de Producción

Dirección General de Desarrollo Social

Dirección General de Planificación Sectorial

Dirección General de Recursos Naturales Renovables

Instituto Nacional de Agricultura

Universidad de Panamá

Facultad de Agronomía

Ministerio de Educación

Ministerio de Planificación y Política Económica

PARAGUAY

Secretaría Técnica de Planificación

Oficina Nacional de Proyectos

Ministerio de Agricultura y Ganadería

Dirección de Investigación y Extensión Agropecuaria

Dirección de Comercialización y Economía Agropecuaria

Dirección de Educación Agropecuaria

Programa Nacional del Tabaco – PRONATA

Programa de Investigación y Extensión Ganadera – PRONIEGA

Servicio Nacional de Semilla

Institución de Bienestar Rural

Banco Nacional de Fomento

Servicio de Extensión Agrícola

Crédito Agrícola de Habilitación

Fondo Ganadero

Facultad de Ciencias Veterinarias

Facultad de Ingeniería Agronómica

Dirección del Servicio Agropecuario de las Fuerzas Armadas

Comisión de Colonización con Conscriptos de las Fuerzas Armadas

PERU

Ministerio de Agricultura

Oficina Sectorial de Planificación Agraria

Dirección General de Reforma Agraria y Asentamiento Rural

Dirección General de Aguas

Dirección General de Irrigaciones

Dirección General Forestal y de Fauna

Dirección General de Apoyo a las Empresas Campesinas

Centro Nacional de Capacitación e Investigación para la Reforma Agraria

Comité de Asesores del Despacho Ministerial

Zona Agraria V

Zona Agraria VI

Zona Agraria VII

Zona Agraria IX

Zona Agraria XII

Ministerio de Alimentación

Oficina Sectorial de Planificación Alimentaria (OSPAL)

Oficina del Consumidor y del Productor

Dirección General de Comercialización

Dirección General de Infraestructura

Dirección General de Producción

Dirección General de Investigación

Instituto de Investigaciones Agroindustriales

Zona de Alimentación V

Zona de Alimentación VII

Zona de Alimentación IX

Sistema Nacional de Apoyo a la Movilización Social (SINAMOS)

Instituto Nacional de Planificación

Instituto Veterinario de Investigación Tropical y de Altura (IVITA)

Universidad Nacional Agraria

Universidad Nacional Agraria de la Amazonía

Universidad Nacional Agraria de la Selva

Universidad Nacional del Centro del Perú

Universidad Nacional Hermilio Valdizán

Universidad Nacional José F. Sánchez Carrión

Universidad Nacional de Ingeniería

Universidad Nacional Mayor de San Marcos

Universidad Nacional Pedro Rufz Gallo

Universidad Nacional San Antonio Abad del Cuzco

Universidad Nacional San Luis Gonzaga

Universidad Nacional de Tacna

Universidad Nacional San Cristóbal de Huamanga

Universidad Particular Inca Garcilazo de la Vega

Universidad Particular Ricardo Palma

Universidad Nacional Técnica de Cajamarca

Universidad Nacional Técnica del Altiplano

Universidad Nacional Técnica de Piura

Consejo Nacional de la Universidad Peruana

Asociación Peruana de Instituciones de Educación Agrícola Universitaria

Banco Agrario

Cooperativa Agraria de Producción Pueblo y Fuerza Armada

Cooperativa Agraria de Producción Santa Dominguita

Comité de Desarrollo Regional del Oriente

Oficina Regional de Desarrollo del Oriente

Programa de Desarrollo de Cajamarca

Sociedad Agrícola de Interés Social SAIS Tupac Amaru

UNITED STATES

Northrup King Co.

Fundación Ford

Fundación Rockefeller

Fundación Kellogg

Universidad de Florida

Michigan State University

Kansas State University

Universidad de Georgia

Universidad de Massachusetts

Instituto Politécnico y Universidad del Estado de Virginia

Universidad de Carolina del Norte

URUGUAY

Ministerio de Agricultura y Pesca

Dirección General de Economía Agraria

Oficina de Programación y Política Agropecuaria (OPYPA)

Dirección de Investigaciones Económicas Agropecuarias (DIEA)

Dirección General de Investigaciones Agrícolas y Asistencia Técnica

Ministerio de Obras Públicas y Transportes

Dirección de Hidrología (Riego)

Instituto Nacional de Colonización (INC)

Secretariado Uruguayo de la Lana (SUL)

Instituto Geográfico Militar

Universidad de la República

Dirección General de Planeamiento Universitario

Dirección General de Extensión Universitaria

Facultad de Agronomía

Facultad de Veterinaria

Universidad del Trabajo

Departamento Agrícola

Asociación Uruguaya de Riego y Drenaje

VENEZUELA

Ministerio de Agricultura y Cría (MAC)

Ministerio de Educación

Ministerio de Fomento

Ministerio de Obras Públicas

Oficina Central de Coordinación y Planificación de la Presidencia de la República (CORDIPLAN)

Comisión del Plan Nacional de Aprovechamiento de los Recursos Hidráulicos (COPLANARH)

Recursos Hidráulicos

Consejo Zuliano de Planificación (CONZUPLAN)

Oficina de Planificación del Sector Agrícola del Ministerio de Agricultura y Cría (OPSA)

Consejo Nacional de Investigaciones Científicas y Tecnológicas (CONICIT)

Consejo Nacional de Investigaciones Agrícolas

Fondo Nacional de Investigaciones Agropecuarias (FONAIAP)

Centro de Estudios para el Desarrollo (CENDES)

Fundación para la Capacitación e Investigación Aplicada a la Reforma Agraria (CIARA)

Instituto Nacional de Investigaciones Científicas (IVIC)

Instituto Nacional de Cooperación Educativa (INCE)

Instituto Agrario Nacional (IAN)

Instituto para el Fondo de la Productividad Azucarera

Instituto de Crédito Agrícola y Pecuario (ICAP)

Instituto Universitario Tecnológico de Coro

Instituto de Comercio Exterior

Instituto Nacional de Productividad (INPRO)

Instituto de Crédito Agropecuario

Asociación Venezolana de Instituciones de Educación Agrícola Superior (AVIEAS)

Fundación para la Capacitación e Investigación Aplicada a la Reforma Agraria (CIARA)

Federación Campesina de Venezuela

Almacenes de Depósitos Agropecuarios (ADAGRO)

Corporación de Mercadeo Agrícola (CMA)

Mercados, Silos y Frigoríficos C.A. (MERSIFRICA)

Dirección General de Desarrollo Ganadero

Dirección General de Desarrollo Agrícola

Dirección General de Recursos Naturales Renovables

Asociación Nacional de Cultivadores de Algodón

Corporación Venezolana de Fomento

Fondo Nacional del Café y del Cacao

Comité de Fomento Regional del Maíz

Oficina de Desarrollo Agrícola de los Sistemas de Riego (ODASIR)

Programa Integral de Desarrollo Agrícola (PRIDA)

Empresas Cafetaleras

Consejo de Bienestar Rural (CBR)

Fundación Servicio para el Agricultor (FUSAGRI)

Corporación de Industrias (CORPOINDUSTRIA)

Banco de Desarrollo Agropecuario (BANDAGRO)

Fondo de Crédito Agrícola (Banca Privada)

Comisión para el Desarrollo del Sur de Venezuela (CODESUR)

Corporación de Desarrollo de la Región Zuliana (CORPOZULIA)

Corporación de Desarrollo de Los Andes (CORPOANDES)

Corporación de Mercadeo Agrícola (CMA)

Corporación de Desarrollo de la Región Centro Occidental (CORPOCCIDENTE)

Corporación de Desarrollo de la Región Nor-Oriental (CORPORIENTE)

Corporación Venezolana de Guayana (CVG)

Fundación para el Desarrollo de la Región Centro Occidental (FUDECO)

Centro de Investigaciones Experimentales para la Exportación (CIEPE)

Centro Nacional de Investigación Aplicada para el Desarrollo Regional y Local (CIADEC)

Universidad del Zulia (Facultades de Agronomía, Medicina Veterinaria, Arquitectura y Medicina)

Universidad Centro Occidental (Facultades de Agronomía y Ciencias Veterinarias)

Universidad de Los Andes (Rectorías y Facultad de Ciencias Forestales)

Universidad Experimental del Táchira

Universidad de Oriente (Escuelas de Agronomía y de Zootecnia)

Universidad de Carabobo

Dirección General de Desarrollo Agrícola

Fundación Servicio para el Agricultor (FUSAGRI)

Fondo Frutícola

Corporación Venezolana de Fomento

Comité de Fomento Regional del Mafz (FOREMAIZ)

Fondo de Crédito Agropecuario

Banco de Desarrollo Agropecuario

Fundación para el Desarrollo de la Región Centro Occidental (FUDECO)

Biblioteca del Instituto de Medicina Experimental

Biblioteca Nacional

Biblioteca del Instituto de Investigaciones Científicas

Biblioteca de la Fundación para el Desarrollo de la Comunidad (FUNDACOMUN)

OTHERS COUNTRIES

ALEMANIA

Misión Técnica en Nicaragua

Fundación Friedrich Newmann

BELGICA

Programa de Cooperación Belga en Perú

CANADA

Embajada en Haití

Agencia Canadiense de Desarrollo Internacional (ACDI)

CHINA

Misión China en Bolivia

ESPAÑA

Embajada en Buenos Aires, Argentina

Ministerio de Agricultura

Instituto de Reformas y Desarrollo Agrario (IRYDA)

FRANCIA

Embajada de Francia en Buenos Aires, Argentina

Unión des Groupements d'Exploitation Agricole (UGEA)

Fonds d'Aide et de Coopération de France (FAC)

HOLANDA

Cooperación Holandesa Tarepoto (Perú)

INGLATERRA

Misión Británica en Bolivia

ITALIA

Instituto per lo Sviluppo del Messogiorno

RUSIA

Programa de Cooperación Ruso (Perú)

SUIZA

Misión Suiza en Bolivia

INTERNATIONAL ORGANISMS AND CENTERS

International Information System for the Agricultural Sciences and Technology (AGRIS)

Sistema Interamericano de Información para las Ciencias Agrícolas (AGRINTER)

Asociación Interamericana de Bibliotecarios y Documentalistas Agrícolas (AIBDA)

Asociación Latinoamericana de Ciencias Agrícolas (ALPA)

Asociación Latinoamericana de Producción Animal (ALPA)

Agencia Internacional para el Desarrollo (AID)

Fondo de las Naciones Unidas para la Infancia (UNICEF)

Banco Interamericano de Desarrollo (BID)

Banco Internacional de Reconstrucción y Fomento (BIRF)

Centro Latinoamericano de Demografía (CELADE)

Centro Internacional de Agricultura Tropical (CIAT)

Centro Interamericano de Fotointerpretación (CIAF)

Centro Interamericano de Enseñanza de Estadística (CIENES)

Centro Interamericano de Investigación para el Desarrollo (CIID)

Organización de las Naciones Unidas para la Alimentación y la Agricultura (FAO)

Organización de los Estados Americanos (OEA)

Organización de las Naciones Unidas para la Educación, la Ciencia y la Cultura (UNESCO)

Organización Mundial de Salud (OMS)

Organización de las Naciones Unidas (ONU)

Organización Internacional del Trabajo (OIT)

Organización de las Naciones Unidas para el Desarrollo Industrial (ONUDI)

Instituto Latinoamericano de Planificación Económica y Social (ILPES)

Secretaría Permanente del Tratado General de Integración Económica Centroamericana (SIECA)

Comisión Económica para América Latina (CEPAL)

Escuela Agrícola Panamericana

Programa Mundial de Alimentos (PMA)

Programa de las Naciones Unidas para el Desarrollo (PNUD)

Fondo Monetario Internacional (FMI)

Centro de Documentación Económica para la Agricultura Latinoamericana (CEDEAL)

Escuela Internacional de Agricultura y Ganadería

Escuela Internacional del Norte

Instituto Forestal Latinoamericano



Appendix III

PARTICIPANTS
IN NCA ACTIVITIES

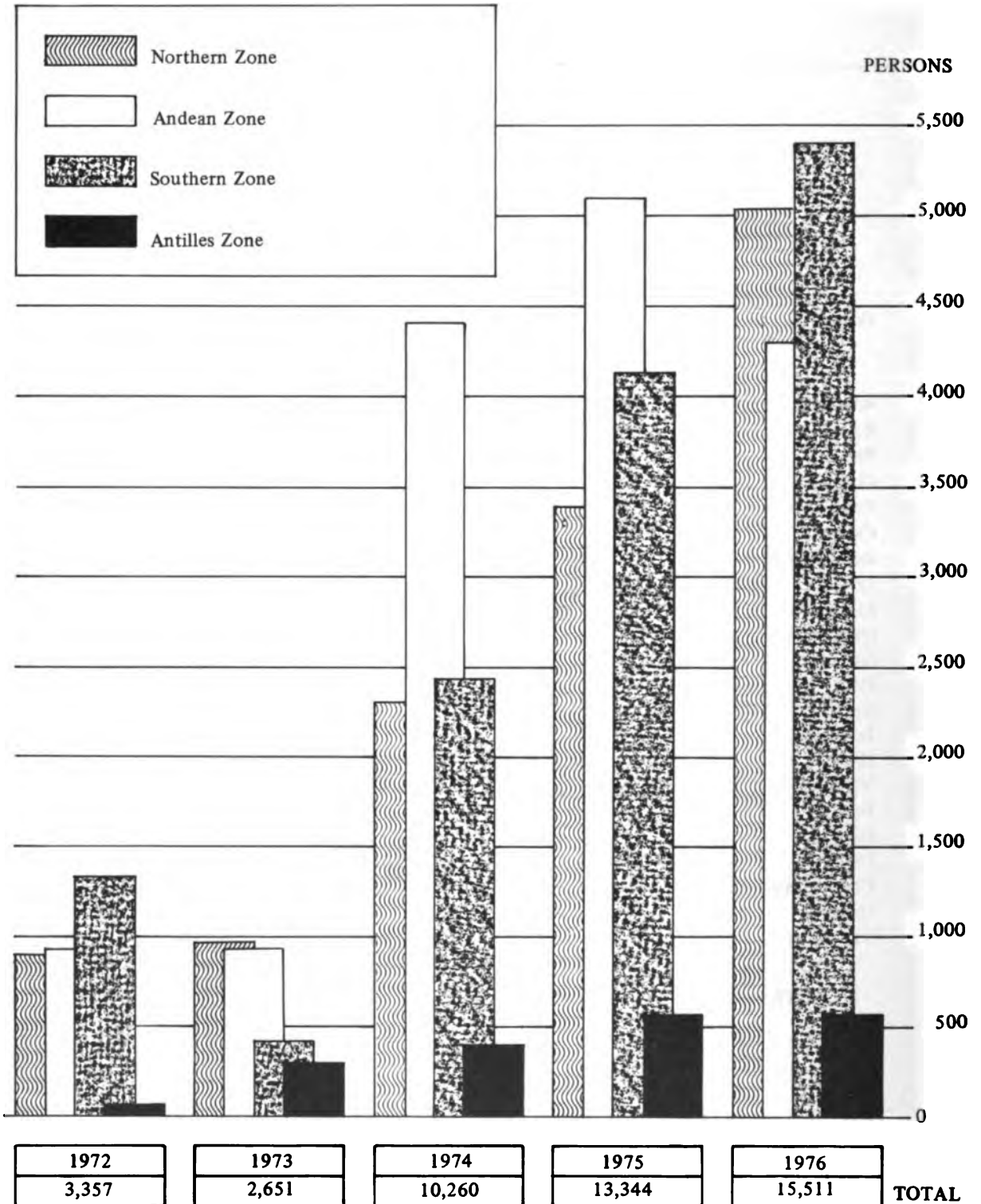
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PARTICIPANTS IN IICA ACTIVITIES

Country	1971	1972	1973	1974	1975	1976
Argentina	80	217	20	541	629	792
Bolivia	89	102	74	427	457	787
Brazil	206	432	254	999	1,041	1,797
Colombia	324	523	482	1,385	1,219	1,160
Costa Rica	27	261	226	745	972	950
Chile	118	471	68	572	2,289	2,511
Dominican Republic	73	34	178	325	347	336
Ecuador	290	82	17	610	964	552
El Salvador	54	32	—	351	404	175
Guatemala	102	295	258	236	169	286
Guyana	—	—	—	—	—	—
Haiti	2	—	82	157	184	261
Honduras	40	—	77	268	582	2,327
Jamaica	—	—	—	—	—	65
Mexico	135	237	281	622	809	663
Nicaragua	34	36	70	61	220	320
Panama	45	126	59	50	250	361
Paraguay	71	74	53	238	232	107
Peru	33	119	175	1,480	1,570	851
United States	14	—	—	—	—	—
Uruguay	16	147	56	134	108	198
Venezuela	207	169	221	1,059	898	1,012
TOTAL	1,960	3,357	2,651	10,260	13,344	15,511

FIGURE 6

PARTICIPANTS IN IICA ACTIVITIES, BY ZONE



**EXPERT CONSULTATION
ON AGRICULTURAL RESEARCH
IN LATIN AMERICA**

FAO in collaboration with IICA

July 14 June 1976

REVISTA DE INVESTIGACION

ASPECTOS DE INVESTIGACION EN AGRICULTURA Y GANADERIA
DE LOS PAISES DE AMERICA LATINA Y EL CARIBE

EL SUPOORTO TECNICO Y ECONOMICO DE LA INVESTIGACION
AGRICOLA EN AMERICA LATINA Y EL CARIBE



**DOCUMENTACION E INFORMACION
PARA EL DESARROLLO AGRICOLA**

VOL. II

ABRIL-JUNIO 1976

Nº 2

CONTENIDO	CONTENIDO
1. Aspectos de investigación en agricultura y ganadería de los países de América Latina y el Caribe	1. El soporte técnico y económico de la investigación agrícola en América Latina y el Caribe
2. El soporte técnico y económico de la investigación agrícola en América Latina y el Caribe	

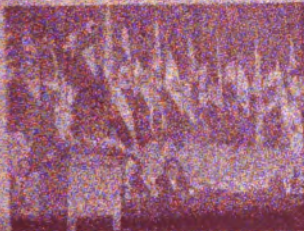
EL DIRECTOR GENERAL DE LA
RECIBIÓ HOMENAJE DE LA ASOCIACION
INTERAMERICANA DE BIBLIOTECARIOS

**MANUAL PRACTICO
PARA EL ANALISIS
EMPERICO DE CAMPO**

IICA en América

NOVALE GONZALEZ GONZALEZ, EDICION TRIMESTRAL

PAISES MIEMBROS TIENEN SUS
ARTICULOS EN EL PROGRAMA



INFORME 1976

**INTRODUCCION
A LA
TOPATOLOGIA**

CARLOS GONZALEZ

**MANUAL DE
ADMINISTRACION
DE EMPRESAS
AGROPECUARIAS**



SUMMARY

Appendix IV.

PUBLICATIONS

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PUBLICATIONS

Following is the list of publications by IICA technicians or the results of the, cooperative action of IICA with certain national institutions. The publications are presented in alphabetical order: publications by technicians; proceedings and reports from conferences, meetings and seminars, and periodic publications. The latter include the journals which IICA publishes regularly.

1. ALARCON M., E., LOTERO C., J. y ESCOBAR R., L. Producción de semilla de los pastos Angleton, puntero y guinea. Bogotá, Oficina del IICA en Colombia, 1975-1976.
2. ALCANTARA, R., PRINCE, L. y MURRAY, G. La comercialización de plátanos en la República Dominicana. Proyecto Integrado de Comercialización IICA/SEA. Santo Domingo, Rep. Dom., 1976. 165 p.
3. _____, LA GRA, J., *et al*. Mercados públicos en la República Dominicana. Proyecto Integrado de Comercialización IICA/SEA. Santo Domingo, Rep. Dom., 1976. 33 p.
4. ALFARO, J. *et al*. Proyecto de ganadería. Bogotá, Oficina del IICA en Colombia, 1975-1976
5. ALMEIDA, D.A. y NARANJO, M. G. Comportamiento de los gases; unidad académica no. 3 Curso de Química II. Area mayor: Biología. Bogotá, Oficina del IICA en Colombia, 1976. 20 p. (Mimeo).

Trabajo de asesoría a la Unidad de Cambio Educativo de la Facultad de Ciencias Agrícolas de la Universidad de Nariño, en Pasto, Colombia.
6. _____ . Comportamiento de los líquidos y sólidos. Unidad académica no. 4. Area mayor: Biología. Bogotá, Oficina del IICA en Colombia, 1976.
7. _____ . Curso de química general 1. Unidad académica no. 4. Bogotá, Oficina del IICA en Colombia, 1976.
8. _____ . y NARANJO, M. G. Enlace químico; unidad académica no. 4. Curso de Química General I. Bogotá, Oficina del IICA en Colombia, 1976. 11 p. (Mimeo).

Trabajo de asesoría a la Unidad de Cambio Educativo de la Facultad de Ciencias Agrícolas de la Universidad de Nariño, en Pasto, Colombia.
9. _____ . y NARANJO, M. G. Leyes cuantitativas de la química; unidad académica no. 1. Curso de Química I. Bogotá, Oficina del IICA en Colombia, 1976. 29 p. (Mimeo).

Trabajo de asesoría a la Unidad de Cambio Educativo de la Facultad de Ciencias Agrícolas de la Universidad de Nariño, en Pasto, Colombia.
10. ALMEIDA, D. A. y NARANJO, M. G. Soluciones iónicas; unidad académica no. 7. Curso de Química General II. Bogotá, Oficina del IICA en Colombia, 1976. 12 p. (Mimeo).

Trabajo de asesoría a la Unidad de Cambio Educativo de la Facultad de Ciencias Agrícolas de la Universidad de Nariño, en Pasto, Colombia.
11. _____ . y NARANJO, M. G. Velocidad de las reacciones químicas; unidad académica no. 5. Curso de Química General II. Area mayor: Biología. Bogotá, Oficina del IICA en Colombia, 1976. 11 p. (Mimeo).

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Volumen 25, nos. 3 y 4, 1975
Volumen 26, nos. 1 y 2, 1976
Ed.: Adalberto Gorbitz

PERIODIC PUBLICATIONS

1. DESARROLLO DEL TROPICO AMERICANO
Nos. 13 y 14, 1975
Nos. 15 y 16, 1976
Ed.: Carmen Villegas
2. DESARROLLO RURAL EN LAS AMERICAS
Volumen 7, nos. 2 y 3, 1975
Volumen 8, no. 1, 1976
Ed.: Fernando Rulfo
9. SERVICIOS DE ALERTA. INFORMACION AL DIA (Ciencias Forestales)
Nos. 4 y 5, 1975
Nos. 6 y 7, 1975
Ed.: Carmen Villegas
10. SERVICIOS DE ALERTA. INFORMACION AL DIA (Ganadería)
Nos. 4 y 5, 1975
Nos. 6 y 7, 1976
Ed.: Carmen Villegas



Appendix V.

INTERNATIONAL PROFESSIONAL PERSONNEL

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INTERNATIONAL PROFESSIONAL PERSONNEL

Name	Nationality	Academic Degree or Profession	Position	Location
Acosta, Jaime	Colombia	Economist	Specialist in Agricultural Planning	San Jose, Costa Rica
Aguirre, Juan A.	Cuba	Ph. D.	Office Director, Agricultural Programming Specialist	Managua, Nicaragua
Ahsanullah, Mohammad ¹ *	Canada	Ph.D.	Systems Analyst	Brasilia, D.F. Brazil
Alba, Vicente ² *	Colombia	M.S.	Specialist in Science Writing and Editing	Brasilia, D.F. Brazil
Albuquerque, Héctor ³	Uruguay	Ph.D.	Programming Director	San Jose, Costa Rica
Alvarez, Aníbal*	Colombia	Lic. C.E.	Ed. Psych. Specialist	Bogota, Colombia
Alvarez, Hugo	Bolivia	M.A.	Forest Development Specialist	Lima, Peru
Alvear, Gualberto	Ecuador	Lic. Bibliot.	Librarian	Turrialba, Costa Rica
Alvim, Paulo de T. ⁴ *	Brazil	Ph.D.	Plant Physiologist	Itabuna, Brazil
Ansorena, Ignacio	Uruguay	Ph.D.	Office Director, Agricultural Extension Specialist	Quito, Ecuador
Araujo, José Emilio G.	Brazil	Dr. Agr.	Director General	San Jose, Costa Rica
Araujo, Miguel A.	El Salvador	Mag. Sc.	Action Plan Coordinator	
Arboleda, Orlando	Colombia	M.L.S.	Agricultural Projects Specialist	Guatemala, Guatemala
Arias, Carlos Luis	Costa Rica	M.A.	Information and Documentation Spec.	Turrialba, Costa Rica
Bareiro, José Luis ⁵	Paraguay	Mag. Sc.	Agricultural Communication Spec.	Guatemala, Guatemala
Barrios, José	Chile	M.S.	Agricultural Economics Specialist	Port-au-Prince, Haiti
Barros, Marios Paes de	Brazil	M.S.	Specialist in Land and Water Management and Conservation	Rio de Janeiro, Brazil
Barthley, Basil G.D. ⁶ *	United Kingdom	Ph.D.	Office Director, Rural Development Specialist	La Paz, Bolivia
Bazán, Rufo	Bolivia	Ph.D.	Geneticist	Itabuna, Bahía, Brazil
Beraja, Isidoro	Honduras	Ing. Agr.	Soils Specialist	Turrialba, Costa Rica
Blair, Enrique	Colombia	Ing. Agr.	Agricultural Production Planning Specialist	Panama, Panama
Blasco, Mario	Spain	Ph.D.	Representative of the Director General before the Governments of USA and Canada	Washington, D.C., USA
Bornemisza, Elemer*	Costa Rica	Ph.D.	Agricultural Research Specialist	Lima, Peru
Brun, Marciano	Paraguay	Mag. Sc.	UCR/IICA Contract Coordinator	San Jose, Costa Rica
Buitrón, Víctor Hugo*	Ecuador	M.A.	Soils Professor and Advisor	Rio de Janeiro, Brazil
Caballero, Hernán	Chile	Ph.D.	Agricultural Credit Specialist	Asuncion, Paraguay
Cabral, José Irineu*	Brazil	Economist	Office Director, Agricultural Extension Specialist	Montevideo, Uruguay
Cáceres, Hugo	Colombia	M.L.S.	Agricultural Research Specialist	Brasilia, D.F., Brazil
Camacho, Angel Fco. ⁷	Peru	Ing. Agr.	President of EMBRAPA	
Camacho, Edilberto*	Costa Rica	M.A.	Head, Documentation and Information Unit	Turrialba, Costa Rica
Cardozo, Armando	Bolivia	Ph.D.	Agricultural Project Specialist	Sto. Domingo, Dom. Rep.
Carrera, Hernán	Ecuador	Economist	Horticulturist	Turrialba, Costa Rica
Cásteres, Ernesto	Costa Rica	Ph.D.	Livestock Development Specialist	Bogota, Colombia
Castronovo, Alfonso	Argentina	M.S.	Agricultural Planning Specialist	Quito, Ecuador
Cevallos, Francisco*	Ecuador	Ing. Agr.	Agricultural Education Specialist	Santiago, Chile
Clifford, Roy A.	U. S. A.	Ph.D.	Head, Evaluation Division	San Jose, Costa Rica
Cetrángolo, Miguel A.	Uruguay	M.Ec.	Resources for Development Specialist	Quito, Ecuador
Cohan, Hugo	Argentina	Ph.D.	Rural Social Development Specialist	Guatemala, Guatemala
Coto, Rogelio*	Costa Rica	Communicator	Agricultural Economics Specialist	Asuncion, Paraguay
			Agricultural Economics Specialist	Montevideo, Uruguay
			Head of PIADIC	San Jose, Costa Rica

1 Until June 6, 1976

2 Until April 17, 1976

3 Began January 1, 1976

4 Address: Centro de Pesquisas do Cacau, Caixa Postal 7, Itabuna, Bahía, Brazil

5 Began January 4, 1976

6 Began October 30, 1975

7 Began January 5, 1976

8 Until October 1, 1975

* Payed by non-quota funds

Name	Nationality	Academic Degree or Profession	Position	Location
Cabillos Gustavo	Chile	Ph.D.	Argostologist	Turrialba, Costa Rica
Cusicanqui, Jaime	Bolivia	Communicator and Coordinator	Executive Secretary for Rural Youth and Coordinator for Scientific and Professional Associations	San Jose, Costa Rica
Chaverra, Hernán	Colombia	Ph.D.	Regional Agricultural Planning Specialist	Caracas, Venezuela
Chávez, Oswaldo	Peru	Ing. Agr.	Specialist in Land and Water Management and Conservation	Tegucigalpa, Honduras
Damtoft, Finn*	Canada	M.A.	Information Specialist	Brasilia, D.F., Brazil
Deaton, Oliver	U. S. A.	Ph.D.	Zootechnician	Turrialba, Costa Rica
De la Cruz, Matilde	Costa Rica	Editor	Editor of Teaching Texts and Materials	San Jose, Costa Rica
Díaz Bordenave, Juan	Paraguay	Ph.D.	Agricultural Communications Spec.	Rio de Janeiro, Brazil
Donoso, Augusto	Chile	Ing. Agr.	Agricultural Production Planning Specialist	Bogotá, Colombia
Elgueta, Manuel	Chile	Ing. Agr.	Director of CATIE	Turrialba, Costa Rica
Erickson, Ana María de	Guatemala	Librarian	Executive Secretary of AIBDA	Turrialba, Costa Rica
Erickson, Arnold L.	U. S. A.	M.S.	Research Secretariat	Turrialba, Costa Rica
Fargas, José	Ecuador	Ph.D.	Plant Physiologist	Turrialba, Costa Rica
Fernández, Angel ¹	Argentina	Librarian	In Charge of Documentation Center	Buenos Aires, Argentina
Fernández, Hugo	Uruguay	M.S.	Agricultural Education Specialist	San Jose, Costa Rica
Fernández, Carlos E.	Guatemala	Ph.D.	Coffee Specialist	San Salvador, El Salvador
Ferrera, Miguel A. ^{2*}	Paraguay	Lawyer	Communications Specialist	Sto. Domingo, Dom. Rep.
Ferreiro, Carlos A.	Uruguay	Accountant	Head, Accounting Division	San Jose, Costa Rica
Fiori, Ernani María*	Brazil	Mag. Sc.	Agricultural Programming Specialist	San Jose, Costa Rica
Fletschner, Carlos	Paraguay	Ph.D.	Agricultural Marketing Specialist	Buenos Aires, Argentina
Forysthe, Warren	Jamaica	Ph.D.	Soils Specialist	Turrialba, Costa Rica
Franco, Alberto	Colombia	M.S.	Agricultural Planning Specialist	San Jose, Costa Rica
Frigerio, Norberto	Argentina	Ph.D.	Agricultural Marketing Specialist	San Jose, Costa Rica
Frías, Hernán*	Chile	Ing. Agr.	Agricultural Extension Coordinator	Sto. Domingo, Dom. Rep.
Fuenzalida, Hernán*	Chile	LL.M.	Institutional Development Specialist	San Jose, Costa Rica
Galrao, María José	Brazil	Librarian	Information and Documentation Spec.	Turrialba, Costa Rica
Garcés, Carlos	Colombia	Ph.D.	Agricultural Education Specialist	Mexico, D.F., Mexico
García, Ubaldo	Argentina	Ing. Agr.	Associate Deputy Director General for Planning	San Jose, Costa Rica
García, Noel	Nicaragua	M.A.	Office Director, Rural Social Development Specialist	Panama, Panama
García Munevar, Mario*	Colombia	M.S.	Agricultural Programmer	Port-au-Prince, Haiti
Gastal, Edmundo*	Brazil	M.S.	Director of EMBRAPA	Brasilia, D.F., Brazil
Gartner, Alvaro*	Colombia	Ph.D.	Coordinator of Agricultural Research Programs	Sto. Domingo, Dom. Rep.
Genis, Marigold de	United Kingdom	B.A.	Translator	San Jose, Costa Rica
Gil Turnés, Benjamín	Uruguay	Ph.D.	Agricultural Education Specialist	Buenos Aires, Argentina
González, Hernán*	Colombia	Ing. Agr.	Agronomy Engineer	San Salvador, El Salvador
González, Thomas B.	Bolivia	M.S.	Agricultural Economics Specialist	Pôrto Alegre, Brazil
González, Sergio*	Chile	Ing. Agr.	Cadastral Specialist	Caracas, Venezuela
Gorbitz, Adalberto	Peru	Ing. Agr.	Head, Technical Editing Unit	Turrialba, Costa Rica
Grajales, Guillermo	Colombia	Ing. Com.	Agricultural Projects Elaboration Specialist	Lima, Peru
Graeff, Allan H.	U. S. A.	M.A.	Community Enterprises Specialist	Port-au-Prince, Haiti
Grondin, Marcelo*	Bolivia	Dr. Cien. Soc.	Organization of Agricultural Associations Specialist	Sto. Domingo, Dom. Rep.
Guerra, Guillermo ³	Colombia	M.S.	Director, Simon Bolivar Fund	San Jose, Costa Rica
Hepp, Ricardo	Chile	Ing. Agr.	Office Director, Agricultural Education Specialist	Santiago, Chile
Herrera, J. Eugenio*	Chile	M.P.I.A.	Administration Specialist	San Jose, Costa Rica
Hernández, Aurelio	Cuba	C.P.	Head, Personnel Division	San Jose, Costa Rica
Hutchins, Lee M. ⁴	U. S. A.	Ph.D.	Plant Pathologist	Turrialba, Costa Rica
Infante, Mario A. ⁵	Colombia	M.Sc.	Agricultural Projects Specialist	Tegucigalpa, Honduras
Iturbide, Angel Ma. ⁶	Guatemala	M.Sc.	Agricultural Extension Specialist	Sto. Domingo, Dom. Rep.

1 Associated Personnel

2 Began January 20, 1976

3 In Lima, Peru until February 1, 1976

4 Resident Scientist

5 Began October 13, 1975

6 Began July 30, 1975

* Payed by non-quota funds

Name	Nationality	Academic Degree	Profession	Position	Location
Jara, José O.	Paraguay	M.Sc.		Agricultural Economics Specialist	Buenos Aires, Argentina
Jiménez, Jesús H.*	Colombia	M.S.		Documentalist	Turrialba, Costa Rica
Julién, Jean Nicot ¹	Haiti	M.S.		Agricultural Products Elaboration Specialist	Kingston, Jamaica
La Gra, Jerry	U. S. A.	M.A.		Agricultural Marketing Specialist	Port-au-Prince, Haiti
Lazos, Flavio	Mexico	M.S.		Agricultural Extension Specialist	Guatemala, Guatemala
Lawrence, Jeremy ²	United Kingdom	Ph.D.		Plant Pathologist	Turrialba, Costa Rica
Leiva, Joaquín	Chile	Ing. Agr.		Office Director, Agrarian Reform Spec.	Quito, Ecuador
León, Carlos Ulises ³	Peru	Mag. Sc.		Agricultural Extension Specialist	San Fco. Dominican Rep.
Liboreiro, Ernesto	Argentina	Ph.D.		Community Enterprises Specialist	Bogotá, Colombia
Lombardo, Heracio A.	Panama	Ph.D.		Office Director, Agricultural Economics Specialist	Sto. Domingo, Dom. Rep.
Luque, Jorge Alfredo ⁴	Argentina	Ing. Agr.		Specialist in Land and Water Management and Conservation	Lima, Peru
MacDonald, Malcolm H.	U. S. A.	Ph.D.		Associate Deputy Director General for Operations	San Jose, Costa Rica
MacLean, Alejandro	Peru	Ing. Agr.		Agricultural Communications Spec.	Montevideo, Uruguay
Madrid, Carlos	Colombia	M.S.		Deputy Director General	San Jose, Costa Rica
Maestre, Leonardo	Peru	Ing. Agr.		Agricultural Planning Specialist	Resistencia, Argentina
Malugani, María D.	Uruguay	M.L.S.		Director of IICA/CIDIA	Turrialba, Costa Rica
Marull, José, D.	Chile	Ph.D.		External Coordination Advisor	San Jose, Costa Rica
Marzocca, Angel ⁵	Argentina	Ing. Agr.		IICA Office Advisor	Buenos Aires, Argentina
Matute, Enrique ⁶	Peru	Ing. Agr.		Specialist in Land and Water Management and Conservation	Petrolina, Pernambuco, Brazil
McKenzie, Thomas A. ⁷	U. S. A.	M.F.		Agricultural Programmer	Belem do Para, Brazil
Mendoza, Luis A.	Bolivia	Ph.D.		Rural Development Management Spec.	Lima, Peru
Mendoza, Gilberto*	Colombia	Economist		Agricultural Marketing Specialist	Sto. Domingo, Dom. Rep.
Merea, Agustín	Peru	Ing. Civil		Specialist in Land and Water Management and Conservation	Buenos Aires, Argentina
Minioni, Elisa C.	Brazil	M.S.		Home Economics Nutrition Specialist	San Jose, Costa Rica
Millar, Agustín ⁸	Chile	Ph.D.		Specialist in Land and Water Management and Conservation	Petrolina, Brazil
Miranda, Heleodoro	Ecuador	Mag. Agr.		Agricultural Research Specialist	San Salvador, El Salvador
Miragem, Samuel	Brazil	Ing. Agr.		Agricultural Projects Elaboration Specialist	Montevideo, Uruguay
Morales, Domingo A. ⁹ *	Chile	B.C.I.		Computering Specialist	San Jose, Costa Rica
Moh, Carl C.	U. S. A.	Ph.D.		Cytogeneticist	Turrialba, Costa Rica
Molestina, Carlos J.	Peru	Mag. Sc.		Head, Public Information Division	San Jose, Costa Rica
Montenegro, Isberto	Costa Rica	Journalist		Press Officer	San Jose, Costa Rica
Montero, Emilio	Chile	M.S.		Agricultural Economics Specialist	Montevideo, Uruguay
Montoya, Jorge M.	Peru	Dr. Sc. B.		Office Director, Agricultural Ecology Specialist	Port-au-Prince, Haiti
Montero, José Fco.*	Costa Rica	M.S.		Professor and Agricultural Economics Advisor	San Jose, Costa Rica
Montoya, Luis A.	Peru	Ph.D.		Office Director, Agricultural Research Specialist	Rio de Janeiro, Brazil
Morales, Héctor*	Chile	M.Sc.		Agricultural Marketing Specialist	Sto. Domingo, Dom. Rep.
Morales, Efraim ¹⁰ *	Costa Rica	M.R.P.		Regional Director, Northern Zone	Guatemala, Guatemala
Moran, Michael J.	U. S. A.	M.S.		Agricultural Marketing Specialist	San Jose, Costa Rica
Morón, Isaac*	Uruguay	Ing. Agr.		Specialist in Management and Organization of Training Centers	Sto. Domingo, Dom. Rep.
Muller, Ludwig	Germany	Dr. Rer. Nat.		Agricultural Education Specialist	Pôrto Alegre, Brazil
Muñoz, Víctor M.	U. S. A.	Business Adm.		Personnel Officer	San Jose, Costa Rica
Muñoz, Héctor	Mexico	Ph.D.		Zootecnician	Turrialba, Costa Rica
Muñoz-Reyes, Jaime	Bolivia	Agr.		Executive Director, Extension and Rural Development Project	La Paz, Bolivia

1 Began November 7, 1975

2 Resident Scientist

3 Began August 31, 1975

4 Until March 15, 1976

5 Until March 10, 1976. Coordinator of the IICA/EMBRAPA Contract in Brasilia, D. F., Brazil

6 Began October 5, 1975

7 Until December 21, 1975

8 Until November 27, 1975

9 Entered February 18, 1976

10 Until December 31, 1975. Director of Operations, Planning and Evaluation in San Jose, Costa Rica

* Paid by non-quota funds

Name	Nationality	Academic Degree or Profession	Position	Location
Murcia, Héctor*	Colombia	M.S.	Professor and Agricultural Economics Advisor	San Jose, Costa Rica
Nadal, Francisco*	Bolivia	Ph.D.	Head, Management Program	San Jose, Costa Rica
Naranjo, Gerardo	Ecuador	Ph.D.	Agricultural Education Specialist	Bogota, Colombia
Nasta, Hugo ¹ *	Argentina	Ing. Agr.	Agricultural Extension Specialist	Sto. Domingo, Dom. Rep.
Navas, Bolívar Gil*	Ecuador	Mag. Sc.	Specialist in Education and Social Sciences	Quito, Ecuador
Ogle, Richard	U. S. A.	Ph.D.	Rural Development Management Spec.	Guatemala, Guatemala
Oliart, Francisco	Peru	Dr. Der.	Agrarian Reform and "Campesino" Organization Specialist	San Jose, Costa Rica
Ortiz, Egas Jaime	Ecuador	M.S.	Community Enterprises Specialist	Asuncion, Paraguay
Paéz, Gilberto ²	Paraguay	Ph.D.	Agricultural Research Specialist	Brasilia, D. F., Brazil
Paéz, Pascual	Paraguay	Lic. Pedag.	Community Enterprises Specialist	Tegucigalpa, Honduras
Pando, José Luis	Canada	M.Sc.	Agricultural Marketing Specialist	Caracas, Venezuela
Paz, Pablo ³ *	Honduras	M.Sc.	Plant Breeding Specialist	Sto. Domingo, Dom. Rep.
Paulette, Miguel	Peru	M.S.	Head, Special Projects Division	San Jose, Costa Rica
Paulet, Manuel ⁴ *	Peru	M.S.	Soil Conservation Specialist	Sto. Domingo, Dom. Rep.
Pereira, Egon Lucas*	Brazil		Systems Analyst	Itabuna, Bahia, Brazil
Pérez, Manuel	Chile	Accountant	Head, Organization and Methods Unit	San Jose, Costa Rica
Pinto, João Bosco G. ⁵	Brazil	Ph.D.	Agrarian Reform Specialist	Sto. Domingo, Dom. Rep.
Pinchinat, Antonio	Haiti	Ph.D.	Geneticist	Turrialba, Costa Rica
Quesada, Alejandro ⁶ *	Costa Rica	Ing. Agr.	Professor and Agricultural Economics Advisor	San Jose, Costa Rica
Quiroga, Víctor	Bolivia	Mag. Agr.	Head, Statistics and Computer Div.	San Jose, Costa Rica
Ramírez, William ⁷ *	Costa Rica	Ph.D.	Entomology Professor and Research Advisor	San Jose, Costa Rica
Ramsay, Jorge	Chile	Ing. Agr.	Office Director, Agricultural Extension Specialist	Caracas, Venezuela
Rangel, Jefferson	Brazil	M.S.	Special Advisor for Foreign Relations and Secretary to the Board of Directors	Washington, D.C., U.S.A.
Ramírez, Pedro	Colombia	Ing. Agr.	Executive Secretary IICA/TROPICS	Belem, Brazil
Ras, Norberto	Argentina	M.A.	Office Director, Agricultural Economics Specialist	Buenos Aires, Argentina
Ringuelet, Julio A.	Argentina	Ing. Agr.	Office Director, Agricultural Credit Specialist	San Salvador, El Salvador
Ríos, Pompeyo ⁸	Venezuela	Ing. Agr.	Regional Director, Andean Zone	Lima, Peru
Rodríguez, Julia Inés*	Uruguay	M.L.S.	Documentalist	Turrialba, Costa Rica
Rodríguez, Manuel	Chile	Ing. Agr.	Regional Director, Southern Zone	Montevideo, Uruguay
Rojas, Emilio	Peru	M.S.	Agrostologist	La Paz, Bolivia
Romanella, Carlos	Argentina	Ing. Agr.	Specialist in Land and Water Management and Conservation	Parral, Chile
Rosado, Humberto ⁹	Mexico	Ph.D.	Office Director, Agricultural Extension Specialist	Mexico, D.F., Mexico
Rosero, Pablo	Ecuador	M.A.	Forester	Turrialba, Costa Rica
Ruiz, Manuel	Peru	Ph.D.	Nutritionist	Turrialba, Costa Rica
Rulfo, Fernando	Mexico	M.Ed.	Agricultural Communications Spec.	San Jose, Costa Rica
Salinas, Luis	Peru	Ing. Agr.	Agricultural Communications Spec.	Lima, Peru
Salvadó, Eduardo	Spain	M.Sc.	Rural Social Development Specialist	Mexico, D.F., Mexico
Sánchez, Alvaro ¹⁰ *	Uruguay	Ing. Agr.	Experimental Design and Statistical Analysis Specialist	Sto. Domingo, Dom. Rep.
Sandoval, Leopoldo*	Guatemala	Ing. Agr.	Agrarian Reform Specialist	Guatemala, Guatemala
Santiváñez, Hernán ¹¹ *	Peru	Ing. Agr.	Agricultural Projects Specialist	La Paz, Bolivia
Sariego, Jorge	Chile	Sociologist	Rural Social Development Specialist	San Salvador, El Salvador
Schlottfeldt, Carlos	Brazil	Ph.D.	Agricultural Education Specialist	Montevideo, Uruguay

1 Began June 6, 1976

2 Until March 9, 1976 under IICA/EMBRAPA Contract, as Contract Advisor

3 Began July 10, 1975

4 Began February 29, 1976

5 In Lima, Peru until February 7, 1976

6 Until February 28, 1976

7 Until December 31, 1975

8 Began February 2, 1976

9 Until December 31, 1976, Regional Director, Northern Zone, Guatemala, Guatemala

10 Began September 15, 1975

11 Began September 15, 1975

* Payed by non-quota funds

Name	Nationality	Academic Degree or Profession	Position	Location
Shurtleff, Don L. Scarsi, Juan Carlos*	U. S. A. Uruguay	B.A. Ph.D.	Financial Advisor and Treasurer Advisor and Specialist in Animal Production	San Jose, Costa Rica
Steiger, Carlos Sterringa, Jacob ¹ Soikes, Raúl Soria, Jorge Stone, Pablo	Argentina Holland Peru Ecuador U. S. A.	M.S. Ing. Agr. Ph.D. Ph.D. M.A.	Marketing Specialist Silviculturist Office Director, Education Spec. Geneticist Office Director, Agricultural Production Specialist	Brasilia, D.F., Brazil Buenos Aires, Argentina Turrialba, Costa Rica Kingston, Jamaica Turrialba, Costa Rica
Stagno, Horacio ^{2*} Suárez de Castro, Fernando Suárez, Nelson Sylvester, Francisco Sylvain, Pierre G. Tapia, Mario	Argentina Colombia Colombia Peru Haiti Peru	M.S. Mag. Agr. Ing. Agr. M.F.S. Ph.D. Ing. Agr.	Agricultural Economics Specialist Director, Operations Research Agricultural Marketing Specialist Agricultural Education Specialist Horticulturist Emeritus High Andes Agricultural Development Specialist	Georgetown, Guyana Sto. Domingo, Dom. Rep. San Jose, Costa Rica Quito, Ecuador Caracas, Venezuela Turrialba, Costa Rica
Tonina, Teodoro Toro, Guillermo ³ Torrealba, Pablo Torres, José A. Torres, Hugo Uribe, Germán	Argentina Chile Chile Costa Rica Colombia Ecuador	Dr. Cien. A. Ing. Agr. Ph.D. Ing. Agr. M.S. Ing. Agr.	Agricultural Programming Specialist Agricultural Economist Specialist Agricultural Marketing Specialist Action Plan Coordinator Action Plan Coordinator Office Director, Regional Planning Specialist	La Paz, Bolivia Santiago, Chile Caracas, Venezuela San Jose, Costa Rica San Jose, Costa Rica Lima, Peru
Urizar, Marco T. Vásquez, Roberto E. ⁴ Vallés, Raúl	Guatemala Uruguay Peru	Ing. Agr. Ing. Agr. Ing. Agr.	Agricultural Education Specialist Agricultural Economics Specialist Specialist in Land and Water Management and Conservation Rural Development Management Spec.	Tegucigalpa, Honduras Managua, Nicaragua Buenos Aires, Argentina
Veras, Arnaldo Vega Luna, Mayo ⁵ Vergara, Nizar* Vieira, Pedro Merçon*	Brazil Nicaragua Colombia Brazil	B.C.E. M.Sc. Economist Ing. Agr.	Agricultural Economics Specialist Marketing Professor Special Advisor to IICA/EMBRATER Agreement	Montevideo, Uruguay Bogota, Colombia Bogota, Colombia
Vigués, Enrique Villacís Fabio Villavisencio, Mauro	Spain Venezuela Peru	Ph.D. Ph.D. Ing. Agr.	Institutional Development Specialist Agricultural Planning Specialist Office Director, Agricultural Production Specialist	Rio de Janeiro, Brazil San Jose, Costa Rica Mexico, D.F., Mexico
Villegas, Carmen Vohnout, Karel Whitmore, Jacob* Yeganiantz, Levon ⁶ Yopo, Boris	Uruguay Ecuador U. S. A. U. S. A. Chile	Lic. Bib. Ph.D. Ph. D. Ph.D. M.S.	Documentalist Nutritionist Forester-Silviculturist Economic Analysis Advisor Agricultural Education Specialist	Bogota, Colombia Turrialba, Costa Rica Turrialba, Costa Rica Turrialba, Costa Rica Brasilia, D.F., Brazil Lima, Peru

- 1 Resident Scientist
- 2 Began November 3, 1975
- 3 Began May 15, 1976
- 4 Began February 26, 1976
- 5 Began September 16, 1975
- 6 Began November 18, 1975
- * Paid by non-quota funds

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San Jose, Costa Rica, December, 1976

