



Reducing the risk of antimicrobial resistance in food: from sensitization to integrated surveillance

Antimicrobial Resistance (AMR) is an important and emerging human and animal health challenge. Since 2014, IICA has provided continuous education and technical support to countries in the Americas to further their development of national integrated monitoring systems for AMR in agriculture.



Global Impact

670,042,000

The number of people in Latin America and the Caribbean who could be affected by the development of AMR

Design and Development of National Integrated Antimicrobial Resistance Monitoring Programs for Food Products of Animal Origin



115 Government officials and professionals from Ministries of Health, Agriculture, Food Safety, Official Diagnostic Laboratories and other government agencies were trained on the design and development of national plans using a customized tool that accounted for national conditions and capacities

7 Countries received technical support to design and develop their National AMR Surveillance Plans for the agricultural sector

In 2019, **3** countries will launch their national programs,

3 countries will launch pilot projects, and

1 Country will initiate the systematization process.

Caribbean Integrated Surveillance System on Antimicrobial Resistance in Agriculture CISARA

28 public and animal health officials from **14 Caribbean** countries were trained on AMR surveillance.

2 regional pilot projects were developed and launched simultaneously in **7 countries**.

7 Countries are now capable of AMR testing and surveillance

230 Officials were trained on the job while generating baseline data on AMR in food

1400 *Salmonella* samples were collected and analyzed from slaughter facilities and retail stores in the poultry chain, representing the largest AMR surveillance project in the Region





Strategic Alliances

8 Intergovernmental organizations conformed the **América Tripartite Plus for AMR** to promote coordinated work on AMR in the hemisphere.

Within this cooperative framework, IICA focuses on supporting countries in the development of their **integrated surveillance plans for the agricultural sector**



Organización de las Naciones Unidas para la Alimentación y la Agricultura



Permanent Veterinary Committee CVP

In 2017, **7** countries of participated in a workshop to determine the status and functional capacity of their national surveillance programs for AMR in the agricultural sector

Strategy: As a product of this workshop, a regional strategy was formulated to prevent and control AMR in agriculture

Continuous Education in AMR

Face-to-Face AMR and Surveillance

Online Sensitization and Education on AMR and Surveillance



635 Official, private sector and academic institutions from **31 countries** in the Americas participated in seminars

528 Professionals and academics from **23** Latin America and the Caribbean countries participated in online technical seminars.

12 Scientific presentations on topics including the biology of AMR, its public and animal health impact, and surveillance programs



Impact:

Countries in the Americas have a roadmap with specific actions and tools to contain AMR

Next Steps

Develop integrated AMR plans for agriculture in every country in Latin America and the Caribbean

Support implementation of AMR surveillance plans throughout the Americas

