WOAH Collaborative Centre Reports Activities 2022

Activities in 2022

This report has been submitted: 18 juillet 2023 16:19

<table>
<thead>
<tr>
<th>Title of WOAH Collaborating Centre</th>
<th>Veterinary Public Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address of WOAH Collaborating Centre</td>
<td>Pan American Center for Foot and Mouth Disease and Veterinary Public Health (PANAFTOSA-PAHO/WHO) Av. Gov. Leonel de Moura Brizola, 7778 Parque São Bento Duque de Caxias, Rio de Janeiro ZIP 25040-004, BRAZIL</td>
</tr>
<tr>
<td>Tel.:</td>
<td>+55-21-3661-9002</td>
</tr>
<tr>
<td>E-mail address:</td>
<td><a href="mailto:panaftosa@paho.org">panaftosa@paho.org</a></td>
</tr>
<tr>
<td>Website:</td>
<td><a href="http://www.paho.org/panaftosa/">www.paho.org/panaftosa/</a></td>
</tr>
<tr>
<td>Name Director of Institute (Responsible Official):</td>
<td>Dr. Ottorino Cosivi</td>
</tr>
<tr>
<td>Name (including Title and Position) of Head of the Collaborating Centre (WOAH Contact Point):</td>
<td>Dr. Ottorino Cosivi, Center Director <a href="mailto:cosivio@paho.org">cosivio@paho.org</a></td>
</tr>
<tr>
<td>Name of the writer:</td>
<td>Dr. Baldomero Molina Flores, Specialist in Diagnosis, Surveillance and Control of Zoonotic Diseases <a href="mailto:molinab@paho.org">molinab@paho.org</a></td>
</tr>
</tbody>
</table>

1. Activities as a centre of research, expertise, standardisation and dissemination of techniques within the remit of the mandate given by WOAH

<table>
<thead>
<tr>
<th>DISEASE CONTROL (FOOT AND MOUTH DISEASE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title of activity</td>
</tr>
<tr>
<td>-------------------</td>
</tr>
<tr>
<td>49th Meeting of the South American Commission for the fight of FMD (COSALFA 49)</td>
</tr>
<tr>
<td>Title of activity</td>
</tr>
<tr>
<td>-------------------</td>
</tr>
<tr>
<td><strong>International Seminar pre-COSALFA</strong></td>
</tr>
<tr>
<td><strong>Sustainability of the FMD free status in countries of the Region</strong></td>
</tr>
<tr>
<td><strong>Restoration of the FMD control program in Venezuela</strong></td>
</tr>
<tr>
<td><strong>Facilitating the creation of a Regional Antigen/vaccine bank for FMD (BANVACO)</strong></td>
</tr>
<tr>
<td><strong>Chairing the Global Coordination Committee on FMD (GCC-FMD)</strong></td>
</tr>
<tr>
<td>Title of activity</td>
</tr>
<tr>
<td>------------------</td>
</tr>
<tr>
<td>Support to countries in the design and implementation of epidemiological studies for FMD</td>
</tr>
<tr>
<td>Support to countries in the design and implementation of epidemiological studies for Avian Influenza</td>
</tr>
<tr>
<td>Development of IVVO information system</td>
</tr>
<tr>
<td>Training and capacity building in the Americas</td>
</tr>
<tr>
<td>World Rabies Day 2022</td>
</tr>
<tr>
<td>Within the framework of the Americas Region’s Network of National Rabies Control Programs Directors (REDIPRA),</td>
</tr>
<tr>
<td>REDIPRA Network</td>
</tr>
<tr>
<td>----------------</td>
</tr>
<tr>
<td><strong>Title of activity</strong></td>
</tr>
<tr>
<td>Paralytic rabies transmitted by hematophagous bats to livestock</td>
</tr>
<tr>
<td>as above</td>
</tr>
<tr>
<td>RELAPA Network consolidation</td>
</tr>
<tr>
<td>Antivenom neutralization capacity project</td>
</tr>
<tr>
<td>United Against Rabies (UAR) Forum</td>
</tr>
<tr>
<td>Title of activity</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Comprehensive approach for the surveillance, control and prevention of brucellosis</td>
</tr>
<tr>
<td>Surveillance and control of bovine tuberculosis in Panama.</td>
</tr>
<tr>
<td>Elimination of taeniasis/cysticercosis in the Americas</td>
</tr>
<tr>
<td>Bovine taeniasis/cysticercosis</td>
</tr>
<tr>
<td>Zoonosis regional and international initiatives</td>
</tr>
</tbody>
</table>
### AVIAN DISEASES

**Title of activity**: Technical cooperation during the emergency response to AI in the countries of South America

**Scope**: PANAFTOSA has assisted the countries in the decision and implementation of the actions for the control of AI outbreaks. Through the technical cooperation, providing update information on the pathogen and its epidemiology, promoting training to manage high mortality (depopulation techniques and carcass disposal) and contributing to characterise the risk.

### DIAGNOSIS, BIOTECHNOLOGY AND LABORATORY

**Title of activity**: WOAH Reference Laboratory

**Scope**: PANAFTOSA is a WOAH Reference Laboratory for Foot-and-Mouth Disease and Vesicular Stomatitis and Reports Activities for 2022 can be accessed at https://www.woah.org/en/what-we-offer/expertise-network/reference-laboratories/#ui-id-5

### VACCINES

**Title of activity**: Provision of canine and human rabies immunobiologicals

**Scope**: PANAFTOSA is responsible for the technical analysis of all canine and human rabies immunobiological provided to the countries of the Region of the Americas by the PAHO Revolving Fund in support to the national rabies programs, including canine rabies vaccine doses for dog mass vaccination programs; immunoglobulin for PEP; and human rabies vaccine doses for PEP and PrEP.

### FOOD SAFETY

**Title of activity**: Inter American Network of Food Analysis Laboratories

**Scope**: The Inter American Network of Food Analysis Laboratories (INFAL) organised the 10th General Assembly in Rio de Janeiro, Brazil, with virtual transmission, and counted on the participation of 170 laboratory members from 18 countries. During the Assembly, the network defined their biannual action plans 2023-2024 which included the provision of technical seminars and trainings, external audits and proficiency tests among others. During 2022, the INFAL organised 3 online seminars and 11 technical talks with an average participation of 100 members from approx. 20 countries in the Americas. The INFAL organized proficiency tests for the determination of indicator microorganisms in milk powder that counted on the participation of 25 laboratories from 16 countries, another for the determination of pesticides in banana with 16 participant laboratories from 4 countries and another for the determination of aflatoxin M1 in milk powder with 9 participant laboratories from 4 countries in the Region. The INFAL celebrated the World Accreditation Day focusing the technical seminar on flexible
accreditation. The seminar was attended by 704 participants from 19 countries in the Americas. Bolivia and Cuba laboratories are receiving technical support to implement a pilot study for the assessment of AMR in Salmonella spp. from foodstuffs under a One Health approach. (in course).

<table>
<thead>
<tr>
<th>Title of activity</th>
<th>Scope</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food Safety Capacity Building</td>
<td>Based on the results, of an online questionnaire sent to countries in the Region to assess the food safety risk analysis capabilities, PANAFTOSA/PAHO, FAO and the University of Minnesota draft and submitted a project proposal to the Standard and Trade Development Facility (STDF) on “Improving food safety risk analysis capacity in Latin America through a South-South cooperation approach to facilitate regional trade”. The project has been approved and will be implemented within 2023-2026. PANAFTOSA/PAHO has been providing technical support to Codex Trust Fund Projects beneficiary countries in Honduras, El Salvador/Guatemala, Bolivia and Guyana to develop their national Codex Alimentarius Strategic Plans and has provided technical face-to-face and online trainings in HACCP, SPS measures, food labelling and food safety risk analysis. PANAFTOSA/PAHO has trained more than 200 food safety professionals in Central America. A training manual on good practices in wet markets to prevent potential human-animal-food spillovers between the animal and human interface was developed by PANAFTOSA/PAHO with Member States. It will be used in 2023 to train authorities involved in wet markets. A food safety risk-based inspection manual with particular focus on food establishments was finalized in 2022 to guide countries in the implementation of a preventive food-safety inspection system. PANAFTOSA/PAHO has been providing technical support to Codex Trust Fund Projects beneficiary countries in Honduras, El Salvador/Guatemala, Bolivia and Guyana to develop their national Codex Alimentarius Strategic Plans and has provided technical face-to-face and online trainings in HACCP, SPS measures, food labelling and risk analysis for food safety. PANAFTOSA/PAHO has trained more than 200 food safety professionals in Central America. A training manual on good practices in wet markets to prevent potential human-animal-food spillovers between the animal and human interface was developed by PANAFTOSA with Member States. It will be used in 2023 to train authorities involved in wet markets. A food safety risk-based inspection manual with particular focus on food establishments was finalized in 2022 to guide countries in the implementation of a preventive food-safety inspection system.</td>
</tr>
</tbody>
</table>

as above

<table>
<thead>
<tr>
<th>Title of activity</th>
<th>Scope</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food Safety Capacity Building</td>
<td>PANAFTOSA/PAHO has provided trainings in Food Safety Risk</td>
</tr>
</tbody>
</table>

WOAH Collaborative Centre Reports Activities 2022
### Risk Communication
Communication within the activities of the Codex Trust Fund Projects in Honduras, El Salvador/Guatemala and Bolivia. Additionally, PANAFTOSA/PAHO created a great number of infographics, brochures, videos and other communication materials to increase awareness about food safety and AMR in the Americas.

### World Food Safety Day
PANAFTOSA/PAHO, FAO, IICA, OIRSA and CCLAC jointly organized an online regional event “Safer food, better health” to commemorate the World Food Safety Day (WFSD) in Latin America to increase awareness on Food Safety and emphasize the importance of safe food markets. The event counted with 4554 visualizations from Latin America and the Caribbean. PANAFTOSA/PAHO, FAO, WOAH, CAFHS and CARPHA jointly organized an online subregional event “Caribbean on the move for safer food, better health” to commemorate the WFSD.

### Food Safety and Climate Change
PAHO is leading the EU funded Project “Strengthening Climate Resilient Health Systems in the Caribbean”. The project includes a Food Safety component that aims to increase awareness and prevent the spread of environmental contaminants derived from the food value chain. PANAFTOSA/PAHO in cooperation with CARPHA is identifying two pilot countries to build Climate Resilient Food Safety Plans as well as the manual on rapid methods of analysis for food and water laboratories was finalized.

### OTHER: ANTIMICROBIAL RESISTANCE
To strengthen integrated AMR surveillance in the Americas, the PAHO-FAO-WOAH Tripartite was awarded the project “Working Together to Combat Antimicrobial Resistance” funded by the EU to help selected countries implement their National Action Plans (NAP), share experiences, advocate for best practices and stimulate collaboration. During 2022, the three organizations have been jointly managing the project under the overall supervision of PAHO. The beneficiary countries of the project are Argentina, Brazil, Chile, Colombia, Paraguay, Peru and Uruguay. Multiple activities were performed under PANAFTOSA responsibility through the year, and different collaborating tasks were performed jointly with the Tripartite group.
AMR Awareness Week

PANAFTOSA/SPV-PAHO supported the development of a series of communication materials related to One Health and AMR that are of public domain and are accessible in the following websites: https://www.paho.org/en/together-fight-antimicrobial-resistance; https://www.paho.org/es/panaftosa/resistencia-antimicrobiana-produccion-animal. To mark the World Antimicrobial Awareness Week, PANAFTOSA/PAHO organised and participated in different activities with third parties and other Networks. PANAFTOSA and the CaribVET Network organized a round of 3 online webinar series around this week thematic, to promote awareness and capacities of some countries in the Caribbean region. Besides, there was an active participation with PAHO’s Representative office in Colombia, with a live presentation about AMR in pets and the home environment.

2. Proposal or development of any procedure that will facilitate harmonisation of international regulations applicable to the main focus area for which you were designated

<table>
<thead>
<tr>
<th>Proposal title</th>
<th>Scope/Content</th>
<th>Applicable area</th>
</tr>
</thead>
<tbody>
<tr>
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</table>

4. Did your Collaborating Centre maintain a network with other WOAH Collaborating Centres (CC), Reference Laboratories (RL), or organisations designated for the same specialty, to coordinate scientific and technical studies?

Yes

<table>
<thead>
<tr>
<th>Name of OIE CC/RL/other organisation(s)</th>
<th>Location</th>
<th>Region of networking Centre</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caribbean Animal Health Network (CaribVET)</td>
<td>Virtual</td>
<td>Americas</td>
<td>PANAFTOSA/PAHO is a CaribVET Steering Committee member, involved in veterinary public health topics. Since 2021 is sharing the Technical Working Group on Antimicrobial Resistance</td>
</tr>
</tbody>
</table>

5. Did your Collaborating Centre maintain a network with other WOAH Collaborating Centres, Reference laboratories, or organisations in other disciplines, to coordinate scientific and technical studies?

Yes
### WOAH Collaborative Centre Reports Activities 2022

<table>
<thead>
<tr>
<th>Name of OIE CC/RL/other organisation(s)</th>
<th>Location</th>
<th>Region of networking Centre</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>WOAH Reference Laboratory for avian influenza and Newcastle disease</td>
<td>LFDA-SP/MAPA, Rua Raul Ferrari, s/n° Jardim Santa Marcelina CEP 13100-105 Campinas SP BRASIL</td>
<td>Americas</td>
<td>Collaborating work on avian Influenza diagnosis capacity building</td>
</tr>
<tr>
<td>WOAH Reference Laboratory on Rabies</td>
<td>Poxvirus and Rabies Branch, Division of High-Consequence Pathogens and Pathology National Center for Emerging and Zoonotic Infectious Diseases, Centers for Disease Control and Prevention, 1600 Clifton Road, NE, Mail Stop G33, Atlanta, GA 30 333 UNITED STATES OF AMERICA</td>
<td>Americas</td>
<td>Collaboration in the Regional rabies Elimination Program in Americas.</td>
</tr>
<tr>
<td>WOAH Reference Laboratory on Rabies</td>
<td>Centre of Expertise for Rabies CFIA/ACIA, Ottawa Laboratory Fallowfield, Animal Diseases Research Institute 3851 Fallowfield Road, P.O. Box 11300, Station H, Nepean, Ontario K2H 8P9 CANADA</td>
<td>Americas</td>
<td>Collaboration in the Regional rabies Elimination Program in Americas.</td>
</tr>
<tr>
<td>WOAH Reference Laboratory on Rabies</td>
<td>ANSES (French Agency for Food, Environmental and Occupational Health &amp; Safety) Laboratory for Rabies and Wildlife (Nancy), Technopôle agricole et vétérinaire Domaine de Pixérécourt, B.P. 40009, 54220 Malzéville Cedex FRANCE</td>
<td>Americas</td>
<td>Collaboration in the Regional rabies Elimination Program in Americas.</td>
</tr>
</tbody>
</table>

6. Did your Collaborating Centre place expert consultants at the disposal of WOAH?
   Yes

<table>
<thead>
<tr>
<th>NAME OF EXPERT</th>
<th>KIND OF CONSULTANCY</th>
<th>SUBJECT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Ana Paula Alvim</td>
<td>Advisor</td>
<td>Laboratory</td>
</tr>
<tr>
<td>Name</td>
<td>Position</td>
<td>Department</td>
</tr>
<tr>
<td>-------------------------------</td>
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<td>-----------------------------</td>
</tr>
<tr>
<td>Dr. Baldomero Molina Flores</td>
<td>Advisor</td>
<td>Zoonoses</td>
</tr>
<tr>
<td>Dr. Edviges Maristela Pituco</td>
<td>Advisor</td>
<td>Virology &amp; FMD</td>
</tr>
<tr>
<td>Dr. Felipe Rocha</td>
<td>Advisor</td>
<td>Zoonoses</td>
</tr>
<tr>
<td>Dr. Guilherme F. Marques</td>
<td>Advisor</td>
<td>Veterinary Public Health</td>
</tr>
<tr>
<td>Dr. Manuel Sánchez Vázquez</td>
<td>Advisor</td>
<td>Epidemiology and FMD</td>
</tr>
<tr>
<td>Dr. Marco Vigilato</td>
<td>Advisor</td>
<td>Veterinary Public Health and Zoonoses</td>
</tr>
<tr>
<td>Dr. Margarita Corrales</td>
<td>Advisor</td>
<td>Food Safety and AMR</td>
</tr>
<tr>
<td>Dr. Germán Andrés Vásquez</td>
<td>Advisor</td>
<td>AMR</td>
</tr>
<tr>
<td>Dr. Monica Martini</td>
<td>Advisor</td>
<td>Technical Cooperation in Veterinary Public Health</td>
</tr>
<tr>
<td>Dr. Ottorino Cosivi</td>
<td>Advisor</td>
<td>Veterinary Public Health</td>
</tr>
<tr>
<td>Dr. Rodrigo García</td>
<td>Advisor</td>
<td>FMD</td>
</tr>
</tbody>
</table>
7. Did your Collaborating Centre provide advice/services to requests from Members in your main focus area?
Yes

The very reason of PANAFTOSA’s existence is to provide Technical Cooperation (TC) to the countries of the Pan American Health Organization. In this regard, PANAFTOSA’s TC interventions to countries include to: (a) mobilize resources (financial, physical, human, information, political, institutional); (b) disseminate information; (c) provide training; (d) promote norms, plans, policies; (e) promote applied research; and (f) provide direct technical advice. PANAFTOSA’s TC is provided to our countries’ Ministries of Health and Ministries of Agriculture/Official Veterinary Services.

8. Did your Collaborating Centre provide scientific and technical training, within the remit of the mandate given by WOAH, to personnel from WOAH Members?
Yes

a) Technical visit : 1
b) Seminars : 19
c) Hands-on training courses: 5
d) Internships (>1 month) : 0

<table>
<thead>
<tr>
<th>TYPE OF TECHNICAL TRAINING PROVIDED (A, B, C OR D)</th>
<th>CONTENT</th>
<th>COUNTRY OF ORIGIN OF THE EXPERT(S) PROVIDED WITH TRAINING</th>
<th>NO. PARTICIPANTS FROM THE CORRESPONDING COUNTRY</th>
</tr>
</thead>
<tbody>
<tr>
<td>c</td>
<td>Course on Geographic Information Systems applied to the tasks of official veterinary services in Colombia</td>
<td>Colombia</td>
<td>20 staff ICA</td>
</tr>
<tr>
<td>b</td>
<td>Workshop “The use of transmission models to simulate foot-and-mouth disease epidemics and the implementation of control actions” at PANAFTOSA</td>
<td>Brazil, Ecuador, Paraguay, Peru, Uruguay</td>
<td>12 professionals from OVS</td>
</tr>
<tr>
<td>b</td>
<td>Importance of early warning and early response in the process of FMD eradicating</td>
<td>Bolivia, virtual</td>
<td>30 professionals from OVS SENASAG</td>
</tr>
<tr>
<td>b</td>
<td>Avian influenza surveillance at the human-animal interface. Introductory regional workshop on diagnostic techniques for transboundary animal diseases</td>
<td>In Argentina with participation from Countries from South America</td>
<td>40 professionals from OVS</td>
</tr>
<tr>
<td>c</td>
<td>FMD field simulation exercise</td>
<td>Colombia</td>
<td>50 professionals from OVS ICA</td>
</tr>
<tr>
<td>b</td>
<td>IX Virtual Workshop of Latin American Network of Public Antivenom Manufacturing Laboratories (RELAPA) – Control of quality, tests and</td>
<td>Argentina, Brazil, Colombia and Costa Rica</td>
<td>47</td>
</tr>
</tbody>
</table>

WOAH Collaborative Centre Reports Activities 2022
<table>
<thead>
<tr>
<th>Alternatives</th>
<th>Description</th>
<th>Countries</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>X Virtual Workshop of Latin American Network of Public Antivenom Manufacturing Laboratories (RELAPA) – Update on the situation of the Public Antivenom Manufacturing Laboratories</td>
<td>Argentina, Belize, Brazil, Chile, Colombia, Costa Rica, Ecuador, Guatemala, Honduras, Mexico, Nicaragua, Paraguay, Peru, Uruguay and Venezuela</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>XI Virtual Workshop of Latin American Network of Public Antivenom Manufacturing Laboratories (RELAPA) – Surveillance of accidents by venomous animals</td>
<td>Brazil</td>
<td>56</td>
<td></td>
</tr>
<tr>
<td>Virtual Workshop of Latin American Network of Public Antivenom Manufacturing Laboratories (RELAPA) – Legislation, planning and operating studies for stability of antivenoms</td>
<td>Argentina, Brazil and Costa Rica</td>
<td>27</td>
<td></td>
</tr>
<tr>
<td>Curso Virtual de Actualización Profesional sobre Hidatidosis/Equinococosis Quística</td>
<td>Argentina, Mexico, Peru, Ecuador, Chile, Bolivia, Colombia, Uruguay, Paraguay, Panama, Honduras, Costa Rica, Cuba, Venezuela, El Salvador, Nicaragua, Mauritius, Angola</td>
<td>266</td>
<td></td>
</tr>
<tr>
<td>Digital transformation of a quality management system</td>
<td></td>
<td>19</td>
<td></td>
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<tr>
<td>Preparation for the Proficiency Testing - Determination of pesticides in orange</td>
<td></td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>Emerging antimicrobial resistance mechanisms in Salmonella spp. and E. coli: epidemiology, detection and characterization</td>
<td></td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>Workshop on the procedures to establish a country position at Codex and the interrelationship between the agreements on sanitary and phytosanitary measures (SPS) and technical barriers to trade (TBT).</td>
<td>El Salvador Guatemala Bolivia</td>
<td>27, 30, 27, respectively</td>
<td></td>
</tr>
<tr>
<td>Event Type</td>
<td>Event Description</td>
<td>Location</td>
<td>Duration</td>
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<tr>
<td>------------</td>
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</tr>
<tr>
<td>b</td>
<td>Analysis of Hazard Analysis Critical Control Points</td>
<td>Guatemala</td>
<td>60</td>
</tr>
<tr>
<td>b</td>
<td>Food Fraud</td>
<td>Panama</td>
<td>20</td>
</tr>
<tr>
<td>b</td>
<td>Porkcolombia. “Primer Foro de Resistencia Antimicrobiana en el sector porcicultor para Latinoamérica y el Caribe”. Presentation title: “Planes de acción nacionales de lucha contra la RAM en Latinoamérica y el Caribe, consideraciones de interés para el sector agropecuario”. Colombia, 12 of July, 2022</td>
<td>Colombia, Argentina, Chile, Panamá, Mexico, Costa Rica, Dominican Rep.</td>
<td>30</td>
</tr>
<tr>
<td>c</td>
<td>Tripartite project RAM-UE. PANAFTOSA/VPH-PAHO Workshop: Secuenciación de patógenos emergentes y análisis bioinformáticos. Brazil, 23-26 of May, 2022.</td>
<td>Paraguay, Colombia, Perú, Brazil, Argentina, Uruguay, Chile</td>
<td>20</td>
</tr>
<tr>
<td>b</td>
<td>PAHO’s Representative office in Colombia. Colombian WAAW event. Presentation title: Probleática y acciones básicas para mitigar la RAM en mascotas. 23 of Nov. 2022</td>
<td>Colombia</td>
<td>120</td>
</tr>
<tr>
<td>b</td>
<td>SADI Congress. Presentation title: Una salud y RAM, perspectiva desde el componente animal. Argentina, 15 of Sept. 2022</td>
<td>Argentina</td>
<td>50</td>
</tr>
<tr>
<td>c</td>
<td>Tripartite project RAM-UE. PANAFTOSA/VPH-PAHO Workshop: Detección Fenotípica y Genómica de la Resistencia a los Antimicrobianos en el Marco de “Una Salud”. Uruguay, 28 of Nov - 3 of Dec 2022.</td>
<td>Paraguay, Colombia, Perú, Brazil, Argentina, Uruguay, Chile</td>
<td>30</td>
</tr>
<tr>
<td>b</td>
<td>CaribVET &amp; PANAFTOSA/VPH-PAHO Webinar series on antimicrobial resistance. 3 Sessions. Nov. 2022</td>
<td>At least 20 Caribbean countries and territories</td>
<td>140</td>
</tr>
<tr>
<td>b</td>
<td>FMD destock simulation exercise</td>
<td>Ecuador</td>
<td>75 professionals from OVS AGROCALIDAD</td>
</tr>
</tbody>
</table>
9. Did your Collaborating Centre organise or participate in the organisation of scientific meetings related to your main focus area on behalf of WOAH?
Yes

<table>
<thead>
<tr>
<th>NATIONAL/INTERNATIONAL</th>
<th>TITLE OF EVENT</th>
<th>CO-ORGANISER</th>
<th>DATE (MM/YY)</th>
<th>LOCATION</th>
<th>NO. PARTICIPANTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>International</td>
<td>WOAH ad hoc Group for FMD status</td>
<td></td>
<td>2022-10-14</td>
<td>Online</td>
<td></td>
</tr>
</tbody>
</table>

10. Publication and dissemination of any information within the remit of the mandate given by WOAH that may be useful to Members of WOAH

a) Articles published in peer-reviewed journals:
3


b) International conferences:
26

c) National conferences:

b) Other (Provide website address or link to appropriate information):

11. What have you done in the past year to advance your area of focus, e.g. updated technology?

12. Additional comments regarding your report: