Centre Information

<table>
<thead>
<tr>
<th>Title of WOAH Collaborating Centre</th>
<th>Institute for Infectious Animal Diseases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address of WOAH Collaborating Centre</td>
<td>Texas A&amp;M University, 578 John Kimbrough Boulevard, College Station, Texas 77843-2129,</td>
</tr>
<tr>
<td>Tel:</td>
<td>9798623202</td>
</tr>
<tr>
<td>E-mail address:</td>
<td><a href="mailto:heather.engleking@agnet.tamu.edu">heather.engleking@agnet.tamu.edu</a></td>
</tr>
<tr>
<td>Website:</td>
<td>iiad.tamu.edu</td>
</tr>
<tr>
<td>Name Director of Institute (Responsible Official):</td>
<td>Heather Simmons</td>
</tr>
<tr>
<td>Name (including Title and Position) of Head of the Collaborating Centre (WOAH Contact Point):</td>
<td>Director</td>
</tr>
<tr>
<td>Name of the writer:</td>
<td>Sarah Manning</td>
</tr>
</tbody>
</table>

TOR1 AND 2: SERVICES PROVIDED

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>Category</th>
<th>Title of activity</th>
<th>Scope</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disease control (true)</td>
<td>African Swine Fever Economics</td>
<td>Cross Border Threat Screening &amp; Supply Chain Defense (CBTS), a DHS Center of Excellence, is partnering with IIAD to lead an African Swine Fever (ASF) Economics Study. The study aims to assess the economic impacts of the ASF virus on U.S. supply chains within the Food and Agriculture sector. The project’s objectives include measuring the economic impacts on the U.S. pork production supply chain, estimating economic welfare impacts, assessing direct and indirect effects on the U.S. swine industry, allied industries, and non-agricultural sectors. Additionally, the study aims to determine the duration for which economic indicator impacts can be categorized at regional, national, and international levels.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Funded by the Food and Agriculture Organization (FAO) and executed by The Institute for Infectious Animal Diseases (IIAD) under Texas A&amp;M University, the executed project known as “Assessments of Epidemiology Capacities in Countries Using Epidemiological Mapping Tool (EMT)” was completed August through September of 2023. The</td>
</tr>
<tr>
<td>Biological Threat Reduction</td>
<td>Training, capacity building</td>
<td>Epidemiology, surveillance, risk assessment</td>
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<td>----------------------------</td>
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</tr>
<tr>
<td>Epidemiology, surveillance, risk assessment, (true)</td>
<td>FAO Epidemiology Mapping Tool (EMT) Assessment</td>
<td>Epidemiological Mapping Tool (EMT) assessments were conducted in the countries of Cameroon, Jordan, Malaysia, and Senegal with the purpose to evaluate national veterinary services and enhance preparedness for disease outbreaks. Each assessment involved a comprehensive process, including structured questionnaires, group discussions, and evaluations on country-specific epidemiology capacity, available resources, and workforce. The results shown within the EMT tool outlined strengths, weaknesses, threats, and opportunities in the workforce, institutions, and key areas such as disease outbreak investigation, One Health coordination, surveillance, and laboratory capabilities. The assessment results were measured and organized within three categories: institutional, epidemiology workforce, and application of epidemiology capacity. Recommendations for short, medium, and long-term improvements were provided to country representatives with the objective of strengthening veterinary epidemiology capacities.</td>
</tr>
<tr>
<td>Training, capacity building (true)</td>
<td>AU-IBAR/AATF International Animal Health Training</td>
<td>The project's overall goal is to develop and provide 6 virtual trainings with the African Agricultural Technology Foundation (AATF), African Union-Interafriean Bureau for Animal Research (AU-IBAR), and USDA in the focus topic areas of surveillance, risk analysis, and epidemiology to educate epidemiologists, veterinarians, and other animal health specialists located in African regions on epidemiology and animal health principles and practices.</td>
</tr>
<tr>
<td>Biological Threat Reduction (true)</td>
<td>Operation Phoenix</td>
<td>Operation Phoenix is a collaborative effort between IIAD and the European Commission for the Control of Foot-and-Mouth Disease (EuFMD). It involved the delivery of a multiregional global simulation exercise focusing on the coordination between animal health and law enforcement sectors in response to animal health crises. The IIAD project team conducted interviews with key organizations such as the Food and Agriculture Organization of the United Nations (FAO), WOAH, and law enforcement personnel worldwide to assess current communication mechanisms. The simulation, known as the Phoenix Exercise, is designed to be a globally relevant tabletop exercise occurring simultaneously in multiple regions, including the Middle East, North Africa, and Southeast Asia. The project facilitated real-time interaction among representatives from the World Organisation for Animal Health (WOAH) Member States to discuss and coordinate response actions for animal health emergencies and disease outbreaks.</td>
</tr>
<tr>
<td>Epidemiology, surveillance, risk assessment (true)</td>
<td>COHFE</td>
<td>Collaborating with FAO and WHO, the Institute worked with WOAH to develop the COHFE framework and developed a beta version of a competency prioritization tool.</td>
</tr>
<tr>
<td>Training, capacity building (true)</td>
<td>eModules</td>
<td>Collaborating with WOAH, IIAD is developing 4 eLearning modules on Emergency and Disaster Management to be included in the eLearning catalog of the WOAH Training Portal. The 4 modules include: 1) Introduction to disaster and emergency management, 2) Planning for emergencies and disasters 3) Planning for emergencies and disasters</td>
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</table>
4) Emergency and disaster response with most of the curriculum geared towards Veterinarians with less than 5 years of experience. After piloting the curriculum on the WOAH eLearning platform in English, the curriculum will also be translated into Spanish and French.

This FAO-funded project involves the development of two key components: an African Swine Fever (ASF) White Paper and a global Avian Influenza (AI) control strategy. The ASF White Paper is intended for use by FAO member countries’ veterinary services, offering support for ASF control, particularly in the context of vaccination across various production systems and epidemiological scenarios. The global AI control strategy is designed or revised to facilitate synchronization and harmonization of AI control and eradication efforts by FAO, WOAH, and their members and partners, considering different epidemiological situations. The project’s overarching goal is to enhance the capacity of public sector institutions in designing and implementing effective policies, regulatory frameworks, and public services related to plant and animal health, food safety, and quality.

This project focuses on the Standard Methods and Procedures in Animal Health developed by AU-IBAR for Africa and the development of three new animal health procedures for AMR and emerging diseases. IIAD will lead the emerging diseases and the Texas A&M School of Veterinary Medicine and Biomedical Sciences will oversee AMR activities.

This research project is to work with the U.S - Mexico Border Health Commission (BHS) to develop an overall report for U.S. – Mexico BHC 10 priority border issues in public health till 2030. IIAD is working with U.S. – Mexico public health specialists in all border states to address areas for 10 border health issues of importance to public health and U.S. Health and Human Services (HHS). In addition, the project will focus on evaluating 2 public health SOPs related to emerging diseases for emergency management communication between public health entities of the United States and Mexico.

TOR3: HARMONISATION OF STANDARDS

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>
</table>

3. In exercising your activities, have you identified any regulatory research needs* relevant for WOAH?

No

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 WOAH CC/BL/other organisation(s)</th>
<th>Location</th>
<th>Region of networking Centre</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>European Commission for the Control of Foot-and-Mouth Disease (EuFMD)</td>
<td>Italy</td>
<td>MiddleEast</td>
<td>EuFMD is the lead organization and IIAD is the technical partner in the Building Resilience against Agro- crime and Agro-terrorism International Simulation</td>
</tr>
<tr>
<td>CNVZ</td>
<td>Tunisia</td>
<td>Africa</td>
<td>Consortium with IIAD for eModules</td>
</tr>
<tr>
<td>ENSFVI</td>
<td>France</td>
<td>Europe</td>
<td>Consortium with IIAD for eModules</td>
</tr>
<tr>
<td>CresVet</td>
<td>Argentina</td>
<td>Americas</td>
<td>Consortium with IIAD for eModules</td>
</tr>
<tr>
<td>CFSPH</td>
<td>United States of America</td>
<td>Americas</td>
<td>Consortium with IIAD for eModules</td>
</tr>
<tr>
<td>CAHMS</td>
<td>States of America</td>
<td>Americas</td>
<td>Consortium with IIAD for eModules</td>
</tr>
<tr>
<td>CENSA</td>
<td>Cuba</td>
<td>Americas</td>
<td>Consortium with IIAD for eModules and EMVetNet</td>
</tr>
<tr>
<td>ISZAM</td>
<td>Italy</td>
<td>Europe</td>
<td>Consortium with IIAD for eModules and EMVetNet</td>
</tr>
<tr>
<td>WOAH Platform Action’s bridging workshop on Disaster Management and Risk Reduction.</td>
<td>Belgium</td>
<td>Europe</td>
<td>Presentations and SOP workshop facilitation as EMVetNet representatives</td>
</tr>
</tbody>
</table>

**TOR4 AND 5: NETWORKING AND COLLABORATION**

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?

No

**TOR6: EXPERT CONSULTANTS**
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. Christine Budke</td>
<td>WOAH Technical Working Group Member</td>
<td>Competencies for One Health Field Epidemiology (COHFE) – Quadripartite</td>
</tr>
<tr>
<td>Dr. Heather Simmons</td>
<td>WOAH Technical Working Group Member</td>
<td>Competencies for One Health Field Epidemiology (COHFE) - Quadripartite Veterinary Paraprofessional Sub-regional Workshop for Central Asia on Workforce Development WOAH VPP Curriculum Analysis Support Missions One Health Monitoring Tool (FAO-RAP) Field Training Program for Wildlife, Ecosystem, Biodiversity and the Environment (FAO-RAP)</td>
</tr>
<tr>
<td>Dr. Jimmy Tickel</td>
<td>WOAH Technical Working Group Member</td>
<td>Phoenix Exercise- Regional hub at Bangkok and International Exercise Global Emergency Management Conference WOAH AgroCrime/Terrorism Interview Workshop USAHA Regional Ruckus</td>
</tr>
<tr>
<td>Dr. Gary Vroegindewey</td>
<td>WOAH Collaborating Centre Network Member</td>
<td>Veterinary Evaluator for Exercise Phoenix and International Exercise Phoenix WOAH Global Conference on Emergency Management- Simulation Exercise Moderator, Foresight Exercise Facilitator, poster presentation on Veterinary Responder Behavioural Health in Disasters</td>
</tr>
<tr>
<td>Mrs. Barbara Martin</td>
<td>FAO consultancy WOAH Ad hoc Working group and contractor</td>
<td>Development of the Global Laboratory Leadership Program (FAO-NS)</td>
</tr>
<tr>
<td>Dr. David Castellan</td>
<td>International Veterinary Epidemiology Consultant</td>
<td>GF-TADs – HPAI Global Strategy FAO – African Swine Fever White Paper</td>
</tr>
<tr>
<td>Prof. Jonathan Rushton</td>
<td>International consultancy and project management</td>
<td>Assessment of the zoonotic disease burdens in the Middle East and North Africa Region for World Bank Support to the economic assessment of growth promotion antimicrobials in Georgia – funded by ICARS</td>
</tr>
</tbody>
</table>

**TOR7: SCIENTIFIC AND TECHNICAL TRAINING**

7. Did your Collaborating Centre provide advice/services to requests from Members in your main focus area?

Yes

1. Biological Threat Reduction – EmVetNet – Member requests from disasters for expert advice.
2. Biological Threat Reduction – Epidemiology – Member requests for data analysis for diagnostic epidemiology on PPR activities.
3. Laboratory sustainability - WOAH – Member requests for expert advice. (Revised the PVS Sustainable Laboratories Mission process and Manual based on feedback from Members, pilot missions, and ad hoc group members.)
4. Participation in the FAO led Emergency Threat Reduction workshop in Rome, Italy, November 2023

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 : 6
b) Seminars : 0
c) Hands-on training courses: 6  
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>A</td>
<td>WOAH VPP Subregional Workshop on Workforce Development</td>
<td>Asia Region</td>
<td>30</td>
</tr>
<tr>
<td>A</td>
<td>WOAH VPP Curricula Analysis Mission</td>
<td>Kenya</td>
<td>30</td>
</tr>
<tr>
<td>A</td>
<td>Epidemiology Mapping Tool Assessment Mission</td>
<td>Jordan</td>
<td>25</td>
</tr>
<tr>
<td>A</td>
<td>Epidemiology Mapping Tool Assessment Mission</td>
<td>Senegal</td>
<td>25</td>
</tr>
<tr>
<td>A</td>
<td>Epidemiology Mapping Tool Assessment Mission</td>
<td>Malaysia</td>
<td>25</td>
</tr>
<tr>
<td>A</td>
<td>Epidemiology Mapping Tool Assessment Mission</td>
<td>Cameroon</td>
<td>25</td>
</tr>
<tr>
<td>C</td>
<td>Surveillance plan development for TADs related to SMP-AH Protocols (English)</td>
<td>Continent of Africa - Anglophone countries</td>
<td>30</td>
</tr>
<tr>
<td>C</td>
<td>Surveillance plan development for TADs related to SMP-AH Protocols (French)</td>
<td>Continent of Africa - Francophone countries</td>
<td>30</td>
</tr>
<tr>
<td>C</td>
<td>Rapid risk assessment training for TADs related to SMP-AH Protocols (English)</td>
<td>Continent of Africa - Anglophone countries</td>
<td>20</td>
</tr>
<tr>
<td>C</td>
<td>Rapid risk assessment training for TADs related to SMP-AH Protocols (French)</td>
<td>Continent of Africa - Francophone countries</td>
<td>20</td>
</tr>
<tr>
<td>C</td>
<td>Diagnostic epidemiology training for TADs related to SMP-AH Protocols (English)</td>
<td>Continent of Africa - Anglophone countries</td>
<td>10</td>
</tr>
<tr>
<td>C</td>
<td>Diagnostic epidemiology training for TADs related to SMP-AH Protocols (French)</td>
<td>Continent of Africa - Francophone countries</td>
<td>10</td>
</tr>
</tbody>
</table>

**TOR8: SCIENTIFIC MEETINGS**

9. Did your Collaborating Centre organise or participate in the organisation of scientific meetings related to your main focus area on behalf of WOAH?
### TOR9: DATA AND INFORMATION DISSEMINATION

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:

19


b) International conferences:
6


Vroegindewey, G. 2023 Speaker on Veterinary behavioural health associated with disaster response.at World Association for Disaster and Emergency Medicine Killarney, Ireland May 2023

Vroegindewey G. 2023 Speaker on OIE Platform on Animal Welfare of Europe Survey on Veterinary Service Preparedness for Natural Disasters at World Association for Disaster and Emergency Medicine Killarney, Ireland May 2023

c) National conferences:
2


d) Other (Provide website address or link to appropriate information):
0

11. What have you done in the past year to advance your area of focus, e.g. updated technology?
The Institute has increased the volume of executed trainings within the scope of capacity development, animal health, and veterinary epidemiology to enhance one health knowledge and implementation.

12. Additional comments regarding your report: