WOAH Collaborative Centre Reports Activities 2023
Activities in 2023
This report has been submitted: 1 juillet 2024 14:49

Centre Information

| Title of WOAH Collaborating Centre | Veterinary Services Capacity Building (Americas) |
| Address of WOAH Collaborating Centre | “University of Minnesota 136 Andrew Boss Laboratory 1354 Eckles Avenue St Paul, Minnesota 55108 UNITED STATES OF AMERICA” |
| Tel: | 1-612-625-8709 |
| E-mail address: | cahfs@umn.edu ; aperez@umn.edu |
| Website: | www.cahfs.umn.edu |

Name Director of Institute (Responsible Official): Andres Perez

Name (including Title and Position) of Head of the Collaborating Centre (WOAH Contact Point): Andres Perez, Director

Name of the writer: Maria Sol Perez Aguirreburualde, CAHFS Deputy Director

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></td>
<td>“Veterinary Public Health and Preventative Medicine Residency Program - Resident Advising and Mentoring”</td>
<td>“Two 2nd year Residency in Veterinary Public Health, and onboard three new residents in July. The residency has trained 55 residents since 2002 and currently has 5 residents enrolled. Residents and residency involved in the public health, zoonosis and epidemiology training of DVM students within the CVM program Program Director: Melinda Wilkins Resident mentors: Tiffany Wolf, Jeff Bender, Andres Perez, Scott Wells, Katey Pelican, Melinda Wilkins, Victoria Hall, Sol Perez, Mary Katherine Obrien, Graduate Student Advising and Mentoring 5 PhD and MsSc students. ProgRESSVet - East Africa 10 months training program for mid-career officials from East Africa. The program’s audience consists of country-based cohorts in Kenya and Uganda. In 2023 the program received a renewal of funding from the Bill &amp; Melinda Gates Foundation. Current investment will run until 2030. Cohort #4 was launched in both countries in June 2024. ProgRESSVet - South East Asia Twenty participants were trained with the goal of enhancing the capabilities of the Vietnamese and”</td>
</tr>
</tbody>
</table>
**Training, capacity building (true)**

**Capacity Building of Veterinary Services**

Philippino veterinary workforce to prevent and mitigate the impact of ASF. Four courses were delivered as ebooks, and two in-person workshops took place in May 2023 and November 2023. Also, in September 2023, 24 trainees from the Philippines and 4 from Vietnam traveled to the US to participate in the Leman conference and further training sessions with the UMN team. Twinning project During 2023, 20 faculty at Samarkand University participated in 10 online training sessions - which covered pedagogical content to support the update of the curriculum at Samarkand Veterinary University, with particular emphasis on integrating topics that align with WOAH's recommendations for Day 1 Competencies of graduating veterinarians. Furthermore, three in-person training were delivered - two delegation from Uzbekistan visit Minnesota, in May (3) and in October (8), and one delegation from University of Minnesota visit Uzbekistan in April 2024, for the final workshop for this project. ProgRESSVet Multi-regional Africa This training was launched in June 2024 including 80 participants of 22 countries across the continent supported by funding from APHIS, USDA. ProgRESSVet Eastern Europe This training was launched in June 2024 including 37 participants of 11 countries across the region supported by funding from APHIS, USDA.

**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>
<tbody>
<tr>
<td>Evaluating the sensitivity of US surveillance system for tier-1 foreign animal diseases of swine. Funding agency: USA // USDA - APHIS</td>
<td>Improve the surveillance of TADs of swine in the US.</td>
<td>Training and education health management</td>
</tr>
<tr>
<td>A near-real time global surveillance system for swine diseases (renewal) Funding agency: USA // Swine Health Information Center</td>
<td>Outreach program for swine practitioners and other stakeholders of the pork value in chain in the US regarding the current status of infectious diseases that affect swine worldwide.</td>
<td>Training and education health management</td>
</tr>
<tr>
<td>NADPRP Knowledge Attitude and Practices regarding implementation of enhanced biosecurity measures among MN swine producers Funding agency: USA // USDA - APHIS</td>
<td>Improve the understanding of regarding the drivers for biosecurity implementation in pig farms within the US.</td>
<td>Training and education health management</td>
</tr>
<tr>
<td>Improving national capacity for early detection of foreign animal disease incursions: critical evaluation of field accuracy, standard of procedures, risks, challenges, and opportunities for the implementation of point of care platforms for NAHLN target diseases Funding agency: USA // USDA - Farm Bill - NAHLN NADPRP</td>
<td>Evaluate POCTs to determine their potential use within surveillance programs across different settings in free or endemic countries; evaluate their fit for purpose.</td>
<td>Laboratory expertise Training and education health management</td>
</tr>
<tr>
<td>Project Description</td>
<td>Training and education</td>
<td>health management</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------------------</td>
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<tr>
<td>Support the veterinary services of Vietnam and the Philippines to improve the management of ASF in their countries.</td>
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<td></td>
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<tr>
<td>Capacity building in regulatory frameworks and risk-based interventions in Africa and in Eastern Europe</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Building capacity on ASF and FMD epidemiology within the US.</td>
<td></td>
<td></td>
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<tr>
<td>Capacity building program for veterinary services in East Africa</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Collect lessons learned from the epidemic of ASF in the Dominican Republic to enhance the preparedness program across the region.</td>
<td></td>
<td></td>
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<tr>
<td>International research collaborations platform</td>
<td></td>
<td></td>
</tr>
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</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/RL/other organisation(s)</th>
<th>Location</th>
<th>Region of networking Centre</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Centro Regional para el Entrenamiento de los Servicios Veterinarios (CRESVet)</td>
<td>Buenos Aires, Argentina</td>
<td>Americas</td>
<td>Capacity building in the context of WOAH learning platform.</td>
</tr>
<tr>
<td>Veterinary Public Health Centre for Asia Pacific (VPH-CAP)</td>
<td>Chiang Mai, Thailand</td>
<td>Asia and Pasific</td>
<td>&quot;Capacity building in the context of WOAH learning platform.&quot;</td>
</tr>
<tr>
<td>Ecole Nationale des Services Veterinaires</td>
<td>Lyon, France</td>
<td>Europe</td>
<td>&quot;Capacity building in the context of WOAH learning platform.&quot;</td>
</tr>
</tbody>
</table>
### Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise "G. Caporale"
- Teramo, Italy
- Europe
- "Capacity building in the context of WOAH learning platform."

### Iowa State University - Center for Food Security and Public Health (CFSPH)
- Ames (IA), United States
- Americas
- "Capacity building in the context of WOAH learning platform."

### Ecole Inter-Etats des Sciences et Médecine Vétérinaires
- Dakar, Senegal
- Africa
- "Capacity building in the context of WOAH learning platform."

### Centre National de Veille Zoosanitaire (CNVZ)
- Tunis, Tunisia
- Africa
- "Capacity building in the context of WOAH learning platform."

### 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?
Yes

<table>
<thead>
<tr>
<th>Name of WOAH CC/RL/other organisation(s)</th>
<th>Location</th>
<th>Region of networking Centre</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference Laboratory for ASF and AHS</td>
<td>Univ Complutense de, Madrid, Spain</td>
<td>Europe</td>
<td>Collaboration for supporting capacity building on ASF</td>
</tr>
<tr>
<td>Organismo Internacional Regional de Sanidad Agropecuaria (OIRSA)</td>
<td>San Salvador, El Salvador</td>
<td>Americas</td>
<td>Support the development of animal health plans and the strengthening member countries quarantine systems.</td>
</tr>
<tr>
<td>USDA Foreign Agriculture Service (FAS)</td>
<td>Washington, DC</td>
<td>Americas</td>
<td>Enhance export opportunities and global food security.</td>
</tr>
<tr>
<td>Global FMD Research Alliance (GFRA) and Global Alliance for ASF control (GARA)</td>
<td>Multiple</td>
<td>Africa Americas Asia and Pasific Europe MiddleEast</td>
<td>Coordinate research activities between and among multiple reference laboratories on ASF and FMD control globally</td>
</tr>
<tr>
<td><em>Centre of Excellence for Sustainable Food Systems Global</em></td>
<td>Liverpool, UK</td>
<td>Europe</td>
<td>Economics of Animal Health</td>
</tr>
</tbody>
</table>
**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>Emilio León</td>
<td>PVS Analysis Mission in the Philippines (focused on ASF). May 2023 Member of the Ad Hoc Group on PVS Evaluation with African swine fever specific content methodology. Chairman. September 2023</td>
<td></td>
</tr>
<tr>
<td>Sergio Duffy</td>
<td>Member of the OIE ad hoc Group on Evaluation of Foot and Mouth Disease Status of Members. Virtual meeting throughout November, 2023.</td>
<td></td>
</tr>
<tr>
<td>Mary Katherine O’Brien</td>
<td>Provided eLearning and pedagogical expertise toward the development of the WOAH eLearning platform and related guidelines.</td>
<td></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

**TECHNICAL VISITS:**

1. Field visit - ASF control in Vietnam / Vaccine evaluation Vietnam
2. ASF Control / Compartimentalization strategy The Philippines
3. Veterinary curriculum update Uzbekistan (8)
4. Training design for ASF laboratory capacity to support country control plan Dominican Republic (4)
5. Biosecurity at pig farms and ASF early detection protocols Dominican Republic

**SEMINARS**

1. ProgRESSVet Symposium 2023 Uganda / Kenya (57)
2. Online training - 10 sessions - Twinning program Uzbekistan 18 (average)

**IN PERSON OR ONLINE TRAINING**

1. Introduction to design of surveillance systems. LATAM 24
2. Introduction to spatial analysis applied to animal surveillance LATAM 24
3. In-person workshop - ASF control strategies (in the US) Vietnam 13
4. In-person workshop - ASF control & vaccine evaluation (in Vietnam) Vietnam 33
5. In-person Workshop - curriculum review and innovative teaching tools Uzbekistan 20

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

No

**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?

No

**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:


Lim S, Perez AM, Kanakenge KST. Modeling the seasonal variation of windborne transmission of porcine reproductive and respiratory syndrome virus between swine farms. Viruses.


b) International conferences:


c) National conferences:


d) 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: