

WOAH Collaborative Centre Reports Activities 2023

Activities in 2023

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Centre Information

Title of WOA Collaborating Centre	Day-One Veterinary Competencies and Continuing Education
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Name of the writer:	Jane Galyon

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 WOA

Category	Title of activity	Scope
		<p>A project to improve veterinary education related to the WOA Day 1 Competencies, structured around the WOA Model Core Curriculum, and funded by the Bill & Melinda Gates Foundation. High quality, gender-intentional and culturally and geographically relevant educational material has been created to expand herd health management and nutrition and infectious disease epidemiology topics as well as add material related to transmissible diseases and broadened to encompass content specific for cattle, poultry, small ruminants, and swine. In 2023, 23 new modules related to Transmissible Diseases, 10 cattle-specific modules, and 30 additional disease-specific modules were developed through a partnership with universities in St. Kitts and South Africa. The Platform currently includes approximately 40 modules related to Herd Health Management and Nutrition, 30 modules related to Infectious Disease Epidemiology, 23 modules related to Transmissible Diseases, and 80 modules related to disease information. Faculty member-provided feedback indicates that materials are being used with students in the classrooms (primarily 4th and 5th year</p>

<p>Training, capacity building (true)</p>	<p>Day 1 Platform</p>	<p>students) as well as for faculty training to improve knowledge and capacity and assist with further continuing professional education. The Platform was launched in 2020 for use at University of Gondar in Ethiopia and the Royal University of Agriculture in Cambodia. In 2021-2022, a veterinary curricular assessment was completed at two additional VEEs, Khon Kaen University in Thailand, and University of the Philippines Los Banos. In total, 70 faculty/instructors have been trained on the assessment methodology and are preparing for implementation in their own VEEs. • In 2023, the three universities in SE Asia served as “hub” institutions who serve as a model and resource for other VEEs in their country and in the region, for a total impact of 45 VEEs from 7 countries in the region. One additional Network VEE (Mahasarakham University) held a curriculum assessment workshop in 2023. As a result of this work, curriculum assessment using the Day 1 Platform Evaluation Tool was endorsed by the ASEAN Veterinary Statutory Body Network as well as the Philippine Veterinary Medical Association as a mechanism to achieve a minimum accreditation standard. • In Ethiopia in 2023, a mixed-methods needs assessment to identify barriers preventing the full implementation of the new 2020 WOAHA-harmonized national Ethiopian Veterinary Curriculum was developed and implemented in Ethiopia, achieving input from 14 VEEs (93%) in the country (one VEE was unable to participate because they are located a conflict zone).</p>
<p>Training and Capacity Building (true)</p>	<p>Cleaning and Disinfection in Animal Settings, (Basic and Advanced courses)</p>	<p>The Basic course uses a practical approach to introduce the key principles of the C&D process and has been RACE® -approved for 2 hours of CE credit. The Advanced course discusses the science behind C&D and important considerations when setting up a C&D program and has been RACE® -approved for 4 hours of CE credit. Both courses are offered at no cost to the user.</p>
<p>Training and Capacity Building (true)</p>	<p>Transboundary and Emerging Diseases of Animals online course</p>	<p>An online course used by all U.S. veterinary schools to provide training on transboundary animal diseases; 14 components of the course are required for initial accreditation training in the U.S.</p>
<p>Training and Capacity Building (true)</p>	<p>Biosecurity in Livestock and Poultry Production, (Basic and Advanced courses)</p>	<p>The Basic course introduces biosecurity concepts and provides an overview of biosecurity risk factors. It is designed for producers, extension personnel and veterinary technicians. The Advanced is for veterinarians; in addition to the content in the basic course, this course provides information on how to assess risk and develop, implement, and evaluate biosecurity plans. These courses are offered at no cost to the user.</p>
<p>Training and Capacity Building (true)</p>	<p>Biosecurity Your Way</p>	<p>These websites provide biosecurity training materials for underserved producer populations on small to mid-size farms, such as beginning farmers, non-traditional farmers, and new farm employees. Training content included a bilingual Biosecurity Basics website and a bilingual biosecurity assessment tool that enabled producers to review their current biosecurity practices and develop a farm-specific biosecurity plan.</p>
		<p>This course has six components: Overview, Prevention, Rules and Regulations, Communication,</p>

Training and Capacity Building (true)	Organic and alternative animal health for animal health professionals	Practice Management, and Treatment Modalities and is approved for up to 7 hours of CE credit. It is intended for animal health professionals with interest in organic and alternative animal health.
Training and Capacity Building (true)	Influenza Education Amon Youth in Agriculture: Bring Home the Blue, Not the Flu courses	One course, targeted to youth 13-18, teaches showmanship and animal involvement along with zoonotic disease risks and preventive measures. The second course, targeted to youth 7-12, is also offered. Outreach to youth and adults (train the trainers) is regularly conducted via in person or virtually or through recorded events.
Training and Capacity Building (true)	Introduction to Iowa's Farmed Cervid CWD Program (one course for veterinarians and one course for producers	The veterinarian course covers why and how to participate in Iowa's CWD Surveillance Identification Program (CCWDSI); it covers the veterinarian's responsibilities including sample collection and submission. The producer course covers why and how to participate in Iowa's CCWDSI program, advantages, and producer responsibilities. In 2023, six additional states worked with CFSPH to develop their own courses.
Training and Capacity Building (true)	Fact sheets for transboundary animal diseases	Technical Fact Sheets 148 English fact sheets downloaded 421,089 times in 2023; 138 Spanish fact sheets downloaded 539,479 times in 2023; 44 Portuguese fact sheets downloaded 61,691 times in 2023 and 11 French fact sheets downloaded 3,831 times in 2023 One Page Fact Sheets for the Public 88 English fact sheets downloaded 158,411 times in 2023; 67 Spanish fact sheets downloaded 101,347 times in 2023 Annotated Images of Animal Diseases 410 annotated images, 59,214 views (English) and 14,698 (Spanish) viewed in 2023
Training and Capacity Building (true)	Working with WOAHA Capacity Building Department for further development of the WOAHA Training Platform	Participated in ongoing meetings with a group of WOAHA Collaborating Centers involved in training and education to improve and further development of the WOAHA Platform for the Training of Veterinary Services.

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

Proposal title	Scope/Content	Applicable area
Continue working with WOAHA to standardize development of high quality online training	Further development of training guidelines	Training and education

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

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

Yes

Name of WOAHA CC/RL/other organisation(s)	Location	Region of networking Centre	Purpose
Center for Animal Health and Food			

Safety, University of Minnesota	St. Paul, MN, USA	Americas	Collaborate on WOAHA Training Platform projects
Instituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise	Italy	Europe	Collaborate on WOAHA Training Platform projects
Ecole Nationale des Services Veterinaires	France	Europe	Collaborate on WOAHA Training Platform Projects
Ecole Nationale des Services Veterinaires	Tunisia	Africa	Collaborate on WOAHA Training Platform Projects
Chiang Mai University Veterinary Public Health Center	Thailand	Asia and Pasific	Collaborate on WOAHA Training Platform Projects
Centro Buenos Aires para la Capacitacion de los Servicios Veterinarians	Buenos Aires, Argentina	Americas	Collaborate on WOAHA Training Platform Projects
Ecole Inter Etats des Science et Medecine Veterinaries of Dakar	Senegal	Africa	Collaborate on WOAHA Training Platform Projects
WOAH Central Bureau	Paris, France	Europe	Collaborate on WOAHA Training Platform Projects

TOR4 AND 5: NETWORKING AND COLLABORATION

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

Yes

Name of WOAHA CC/RL/other organisation(s)	Location	Region of networking Centre	Purpose
Biological Threat Reduction	Texas A&M, College Station, TX	Americas	Emergency Management Training

TOR6: EXPERT CONSULTANTS

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

Yes

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NAME OF EXPERT	KIND OF CONSULTANCY	SUBJECT
Molly Lee	Advising	Online training guidelines
James Roth	Advising	Online training guidelines
Cheryl Eia	Advising	Online training guidelines

TOR7: SCIENTIFIC AND TECHNICAL TRAINING

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

Yes

Day 1 Training Platform: Ethiopia: Used by 14 universities and incorporated into national curriculum. SE Asia: Platform was used in Cambodia, Indonesia, Laos, Malaysia, Philippines, Thailand, and Malaysia. Seventy Faculty were trained on the curriculum assessment tool and how to implement it in their universities.

Cleaning and Disinfection Courses: Advanced course: 298 US users and 354 total users. Australia, Brazil, Canada, China, Colombia, Dominican Republic, Egypt, Ethiopia, Finland, France, India, Italy, Kenya, Morocco, Nigeria, Pakistan, Taiwan, Uruguay, Vietnam. Basic course: 314 total users, 260 US users. Canada, Colombia, Dominican Republic, Egypt, United Kingdom, Mexico, Philippines, Portugal, Romania, Saudi Arabia, Thailand, Uruguay, Vietnam, South Africa

Transboundary and Emerging Diseases of Animals

Veterinary students across the USA are spending significant time learning about these topics. During calendar year 2023, 4,787 veterinary students used the course along with 652 graduate veterinarians for a total of 5,439 individuals. Not offered for CE in 2023.

Biosecurity Courses

Biosecurity Your Way: From July 2023 to January 2024, more than 1,100 unique users visited the English and Spanish websites, accounting for nearly 4,200 total page views. For both websites, the most visited topics were the biosecurity planning tool, the biosecurity short course, and the Design a Farm interaction. More than 150 visitors used the biosecurity planning tool, with approximately 2/3 submitting a biosecurity plan. Website users were from the United States, the Dominican Republic, Mexico, Guatemala, Brazil, Panama, and Costa Rica.

Biosecurity in Livestock and Poultry Production: Advanced Course: 170 US users, 256 total users. Australia, Bangladesh, Brunei Darussalam, Brazil, Canada, China, Colombia, Cyprus, Egypt, Ethiopia, Great Britain, Hong Kong, Honduras, Indonesia, Iraq, Jamaica, Kenya, Kazakhstan, Morocco, Macedonia, Nigeria, Pakistan, Saudi Arabia, Singapore, El Salvador, Turkey, Ukraine, Vietnam, South Africa, Zimbabwe. Basic Course: 260 users, 162 US users: Argentina, Bangladesh, Brunei Darussalam, Brazil, Canada, China, Colombia, Cyprus, Dominican Republic, Egypt, Spain, Ethiopia, Grenada, Honduras, Indonesia, Israel, Kazakhstan, Morocco, Mexico, Nigeria, Pakistan, Romania, Saudi Arabia, Singapore, Swaziland, Turkey, Uruguay, Vietnam

Organic and Alternative Agriculture: 246 total users, 190 US users. United Arab Emirates, Austria, Australia, Brazil, Canada, China, Colombia, Dominican Republic, Ethiopia, France, Grenada, Honduras, Indonesia, India, Kenya, Mexico, Nigeria, Pakistan, South Africa.

Youth in Ag courses: 1,091 users took the middle/high school course (and 23 Spanish users), 208 users took the elementary course (and 10 Spanish users). International users of Youth-in-Ag materials were from the following countries: Argentina, Australia, Bangladesh, Belize, Bolivia, Brazil, Canada, Chile, China, Colombia, Dominican Republic, El Salvador, Finland, France, Germany, Greece, Guatemala, India, Indonesia, Iran, Italy, Malaysia, Mexico, Netherlands, Peru, Philippines, Russia, Singapore, South Korea, Spain, Sweden, Tunisia, United Arab Emirates, United Kingdom.

Chronic Wasting Disease Courses: International users from Brazil, Canada, China, Colombia, Cyprus, Dominican Republic, Egypt, Ethiopia, Finland, Iraq, Nigeria, Pakistan, Serbia, Sudan, Turkey, Ukraine, South Africa. And 87 US users.

Website:

Technical Fact Sheets: 148 English fact sheets, downloaded 421,089 times in 2023; 138 Spanish fact sheets downloaded 539,479 times; 44 Portuguese fact sheets downloaded 61,691 times and 11 French fact sheets downloaded 3,831 times.

One Page Fact Sheets for the Public: 88 English fact sheets, downloaded 158,411 times in 2023; 67 Spanish fact sheets downloaded 101,347 times

Annotated disease images: 410 images, 59,214 views (English) and 14,698 (Spanish) in 2023

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

Yes

a) Technical visit : 70

b) Seminars : 581

c) Hands-on training courses: 0

d) Internships (>1 month) : 0

TYPE OF TECHNICAL TRAINING PROVIDED (A, B, C OR D)	CONTENT	COUNTRY OF ORIGIN OF THE EXPERT(S) PROVIDED WITH TRAINING	NO. PARTICIPANTS FROM THE CORRESPONDING COUNTRY
		Cambodia, Indonesia, Laos, Malaysia, Philippines, Thailand, and Malaysia,	70

A	Day 1 Platform	Ethiopia, Cambodia, Thailand	
B	Cleaning and Disinfection courses	Australia, Brazil, Canada, China, Colombia, Dominican Republic, Egypt, Ethiopia, Finland, France, India, Italy, Kenya, Mexico, Morocco, Nigeria, Pakistan, Philippines, Portugal, Romania, Saudi Arabia, South Africa, Taiwan, United Kingdom, Uruguay, Vietnam	110
B	Biosecurity Basic and Advanced Courses	Argentina, Australia, Bangladesh, Brunei Darussalam, Brazil, Canada, China, Colombia, Cyprus, Dominican Republic, Egypt, El Salvador, Ethiopia, Great Britain, Grenada, Hong Kong, Honduras, Indonesia, Iraq, Israel, Jamaica, Kenya, Kazakhstan, Macedonia, Mexico, Morocco, Nigeria, Pakistan, Romania, Saudi Arabia, Singapore, Spain, Swaziland, Turkey, Ukraine, Uruguay, Vietnam, South Africa, Zimbabwe	184
B	Biosecurity Your Way (English and Spanish)	Brazil, Costa Rica, Dominican Republic, Guatemala, Mexico, Panama	30
B	Organic and Alternative Animal Health	United Arab Emirates, Austria, Australia, Brazil, Canada, China, Colombia, Dominican Republic, Ethiopia, France, Grenada, Honduras, Indonesia, India, Kenya, Mexico, Nigeria, Pakistan, South Africa	56
B	Youth in Ag, Blue not Flu courses	Argentina, Australia, Bangladesh, Belize, Bolivia, Brazil, Canada, Chile, China, Colombia, Dominican Republic, El Salvador, Finland, France, Germany, Greece, Guatemala, India, Indonesia, Iran, Italy, Malaysia, Mexico, Netherlands, Peru, Philippines, Russia, Singapore, South Korea, Spain, Sweden, Tunisia, United Arab Emirates, United Kingdom	176
B	Chronic Wasting Disease Courses	Brazil, Canada, China, Colombia, Cyprus, Dominican Republic, Egypt, Ethiopia, Finland, Iraq, Nigeria, Pakistan, Serbia, Sudan, Turkey, Ukraine, South Africa	25

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 WOA?H

No

TOR9: DATA AND INFORMATION DISSEMINATION

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

a) Articles published in peer-reviewed journals:

0

b) International conferences:

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- WOA?H Global Emergency Management meeting- Capacity Building workshop, April 4, 2023 Paris, France. "What does the emergency veterinary workforce need to be effective and efficient?" (M Lee and C Eia)
- American Feed Industry Association (AFIA), June 28, 2023, Vietnam. "Biosecurity Best Practices on the Farm." (M Lee) Virtual presentation.
- World Vaccine Congress, Washington DC, April 5, 2023. "The need for vaccines against transboundary diseases of livestock for pandemic preparedness and food security" (Roth)
- TAFS FMD Conference May 31, 2023, Seoul, South Korea. "Towards a Paradigm Shift on the FMD-Free with Vaccination Status." (Roth)
- Shanghai 2023 Symposium on Veterinary Science and Public Health. Sept 20 – 23, 2023, Sept 20 – 23, 2023. "Low Probability, High Consequence Zoonotic Diseases of

Swine." (Roth) Virtual Keynote presentation.

c) National conferences:

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- American Association of Veterinary Medical Colleges (AAVMC) March 10, 2023, Washington, DC "Day 1 Platform for Veterinary Education" (Lee)

Webinars

- African Swine Fever Eradication Plan Working Group. "Factors to Consider in Designing an African Swine Fever (ASF) Eradication Program." February 14, 2023 (Roth)
- Swine Health Improvement Program General Conference Committee Officers. March 2, 2023. "Factors to Consider in Designing an African Swine Fever (ASF) Eradication Program." (Roth)
- National Association of State Animal Health Officials African Swine Fever Working Group, March 3, 2023. "Factors to Consider in Designing an African Swine Fever (ASF) Eradication Program." (Roth)
- National Pork Board Foreign Animal Disease Research Task Force. March 23, 2023 "Factors to Consider in Designing an African Swine Fever (ASF) Eradication Program." (Roth)
- FMD Framework Working Group. "Framework for Interstate Movement Decisions During an FMD Outbreak in the U.S." March 24, 2023, (Roth)
- United States Animal Health Association Committee on Animal Emergency Management. "Factors to Consider in Designing an African Swine Fever (ASF) Eradication Program." March 30, 2023 (Roth)
- National Association of State Animal Agriculture Emergency Programs. "Foot and Mouth Disease (FMD) Framework for Animal Movements During an FMD Outbreak" June 21, 2023 (Roth)

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

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Factors to Consider in a Potential Eradication Plan for African Swine Fever in the United States: A White Paper. January 20, 2023. J.A. Roth and C. Eia. 62 pages. <https://www.cfsph.iastate.edu/pdf/asf-eradication-plan-white-paper>

Framework for Interstate and Intrastate Movement Decisions During a Foot and Mouth Disease Outbreak in the United States. March 1, 2024, J.A. Roth, C. Eia, and J. Galyon, 45 pages. <https://www.cfsph.iastate.edu/pdf-library/FMD-Resources/fmd-framework-for-movement.pdf>

www.cfsph.iastate.edu

<https://day1.cfsph.iastate.edu>

www.cfsph.iastate.edu/courses

<https://www.cfsph.iastate.edu/product/cleaning-disinfection-animal-settings-course/>

www.cfsph.iastate.edu/veda-course/

<https://www.cfsph.iastate.edu/product/biosecurity-livestock-poultry/>

<https://farmbiosecurity.cfsph.iastate.edu>

<https://www.cfsph.iastate.edu/product/organic-alternative-animal-health/>

www.cfsph.iastate.edu/blue-not-flu/

<https://www.cfsph.iastate.edu/diseaseinfo/>

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

The CFSPH moved our software that was running on old on-site web server technology to current technologies in the Azure cloud computing platform. In addition, the software that the Day 1 Platform runs on has been continuously updated to ensure security and compatibility with current web browsers.

12. Additional comments regarding your report: