

WOAH Collaborative Centre Reports Activities 2022

Activities in 2022

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Title of WOA Collaborating Centre	Biological Threat Reduction
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Name (including Title and Position) of Head of the Collaborating Centre (WOAH Contact Point):	• Heather Simmons, Director
Name of the writer:	• Heather Simmons

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

Disease Control	
Title of activity	Scope
EmVetNet	One of the main objectives of EmVetNet is to support OIE Member Countries' preparedness for and response to animal health emergencies. Among other tasks, the network aims at promoting the exchange and sharing of knowledge on best practices (including models and case studies e.g. model legislation, contingency/emergency plans, communication)

	and to provide technical assistance to Veterinary Services during events with catastrophic or widespread impact to animal health.
Epidemiology, surveillance, risk assessment	
Title of activity	Scope
One Health Field Epidemiology Activities	IIAD is acting as WOAHA representation for an internal core team of a tripartite activity related to guidelines for One Health competencies, curriculum, continuing education, program accreditation and sustainability of field epidemiology programs.
Epidemiology, surveillance, risk assessment	
Title of activity	Scope
Risk Analysis	The overall objective of this project is to initiate a Livestock Disease Risk Analysis Training Curriculum in South Africa that supports the AfCFTA Agreement (2018) through the partnership among USDA, OVI, and IIAD. Specifically, the project will focus on the following activities: 1) assessing the existing needs and readiness of South Africa to conduct risk analysis training (individual level) through an evidence- based approach; and 2) supporting the development and implementation of a user-driven, curriculum and a long- term Trainer-of-Trainer (ToT) sustainable programme (institutional level).
Epidemiology, surveillance, risk assessment	
Title of activity	Scope
Rinderpest	IIAD and the Royal Veterinary College (RVC), both OIE Collaborating Centres are acting as Service Providers for the OIE on "Risk Assessment Reintroduction of Rinderpest Post-Eradication". A progress review was conducted pertaining to the sequestration and destruction of Rinderpest Virus Containing Materials (RCVM) by OIE Members from FAO-OIE designated rinderpest holding facilities and non-designated facilities 2021. The second portion of this project is to conduct a risk assessment for rinderpest from the laboratories will occur in 2022. The project is also collaborating with partners from the Animal and Plant Health Agency (APHA) and City University of Hong Kong.
Training and capacity building	
Title of activity	Scope
Caribbean Lab Training	IIAD will train diagnosticians in the Caribbean related to Executive Laboratory Management. OIE will be providing training on their laboratory sustainability initiative. The project was put on hold in 2021 due to COVID-19.
Other - Emergency Management	
Title of activity	Scope

<p>Operation Phoenix</p>	<p>The European Commission for the Control of Foot-and-Mouth Disease (EuFMD) and IIAD will collaborate to deliver a multi-regional global simulation exercise ('Phoenix') focused on coordination between animal health and law enforcement sectors in response to animal health crises. The Phoenix Exercise will deliver a globally relevant, international exercise occurring simultaneously in multiple regions of the world, specifically North Africa, the Middle East, and Southeast Asia. This exercise will allow representatives from OIE Member States to confer and interact in real-time to coordinate response actions.</p>
<p>Training and capacity building</p>	
<p>Title of activity</p>	<p>Scope</p>
<p>eModules</p>	<p>IIAD is part of an international consortium of WOAHC Collaborating Centres between the WOAHC Collaborating Centre Network on Veterinary Emergencies (EMVetNet) and WOAHC Collaborating Centre Training Network for Veterinary Training and Education to develop four eLearning modules in emergency and disaster management that will be piloted in English, French and Spanish for veterinarians with <5 years of EM experience and veterinarians with advanced EM experience. IZS (Italy), CENSA (Cuba), CNVZ (Tunisia), CFSPH (United States), CresVet (Argentina), CAHFS (United States), ENSF-FVI (France), Lincoln Memorial University.</p>

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
<p>Building Resilience against Agro-crime and Agro-terrorism International Simulation Exercise 'Phoenix'</p>	<p>The European Commission for the Control of Foot-and-Mouth Disease (EuFMD) and IIAD will collaborate to deliver a multi-regional global simulation exercise ('Phoenix') focused on coordination between animal health and law enforcement sectors in response to animal health crises. The Phoenix Exercise will deliver a globally relevant, international exercise occurring simultaneously in multiple regions of the world, specifically North Africa, the Middle East, and Southeast Asia. This exercise will allow representatives from OIE Member States to confer and interact in real-time to coordinate response actions.</p>	<p>Training and education</p>
	<p>IIAD is part of an international consortium of WOAHC Collaborating Centres between the WOAHC Collaborating Centre Network on Veterinary Emergencies (EMVetNet) and WOAHC Collaborating</p>	

eModules for emergency and disaster management	Centre Training Network for Veterinary Training and Education to develop four eLearning modules in emergency and disaster management that will be piloted in English, French and Spanish for veterinarians with <5 years of EM experience and veterinarians with advanced EM experience. IZS (Italy), CENSA (Cuba), CNVZ (Tunisia), CFSPH (United States), CresVet (Argentina), CAHFS (United States), ENSF-FVI (France), and Lincoln Memorial University.	Training and education
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4. Did your Collaborating Centre maintain a network with other WOAHA Collaborating Centres (CC), Reference Laboratories (RL), or organisations designated for the same speciality, to coordinate scientific and technical studies?

Yes

Name of OIE CC/RL/other organisation(s)	Location	Region of networking Centre	Purpose
Istituto Zooprofilattico Sperimentale dell’Abruzzo e del Molise “G. Caporale	Italy	Europe	Consortium with IIAD for EmVetNet and eModules
Centro Nacional de Sanidad (CENSA)	Cuba	Americas	Consortium with IIAD for EmVetNet and eModules
European Commission for the Control of Foot-and-Mouth Disease (EuFMD)	39 countries in Europe	Europe	EuFMD is the lead organization and IIAD is the technical partner in the Building Resilience against Agro- crime and Agro-terrorism International Simulation Exercise ‘Phoenix’
Center for Animal Health and Food Safety (CAHFS)	USA	Americas	Consortium with IIAD for eModules
Center for Food Security and Public Health (CFSPH)	USA	Americas	Consortium with IIAD for eModules

Centre National de Veille Zoosanitaire (CNVZ)	Tunisia	Africa	Consortium with IIAD for eModules
Ecole Nationale des Services Veterinaires (ENSFVI)	France	Europe	Consortium with IIAD for eModules
Centro Regional para el Entrenamiento de los Servicios Veterinarios (CRESVet)	Argentina	Americas	Consortium with IIAD for eModules
Royal Veterinary College (RVC)	United Kingdom	Europe	Rinderpest risk analysis
Animal Plant Health Agency (APHA)	United Kingdom		Rinderpest risk analysis

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

No

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

Yes

NAME OF EXPERT	KIND OF CONSULTANCY	SUBJECT
Dr. Jimmy Tickel	OIE Technical Working Group Member	Deliver International Simulation Exercise for the Building Resilience Against Agro-terrorism and Agro-crime Project
Dr. Heather Simmons	WOAH Technical Working Group Member on Veterinary Paraprofessionals	Veterinary Paraprofessionals Expert Pool – VPP Curriculum Support Mission Asia and Pacific Region
Ms. Jessica Cargill	WOAH ad hoc Group Member: Laboratory Sustainability	Laboratory Sustainability – PVS Lab Sustainability Mission – Asia and Pacific Region
Dr. Heather Simmons, Dr.		

Wesley Bisset; Dr. Gary Vroegindewey and Dr. Jimmy Tickel	WOAH Collaborating Centre Network Members	WOAH Collaborating Centre Network for Veterinary Emergencies (EmVetNet)
Dr. Heather Simmons	WOAH Veterinary Workforce Development Initiative	Veterinary Workforce Development Workshop for Central Asia and the Caucasus Regions

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

Yes

Advice on biological threat reduction for areas in agro-crime and agro-terror. Advice on biological threat reduction for risk assessments of WOA sequence and destroy program with Ag BSL laboratories. Advice on veterinary paraprofessional workforce development activities.

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

No

9. Did your Collaborating Centre organise or participate in the organisation of scientific meetings related to your main focus area on behalf of WOA?

No

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

a) Articles published in peer-reviewed journals:

Three

- *Budke CM, Pfeiffer DU, Jones BA, Fournié G, Kim Y, Marrana M, Simmons HL. Sequestration and Destruction of Rinderpest Virus-Containing Material 10 Years after Eradication. Emerg Infect Dis. 2022 Sep;28(9):1895-1898. doi: 10.3201/eid2809.220297. PMID: 35997512; PMCID: PMC9423901.*
- *Levent G, Laine CG, Berquist M, Gonzalez M, Simmons H, Tickel J, Scott HM. A risk-based mutual insurance premium framework for establishing indices of vulnerability to the intentional introduction of transboundary animal diseases. Transbound Emerg Dis. 2022 Nov;69(6):3582-3596. doi: 10.1111/tbed.14721. Epub 2022 Oct 22. PMID: 36189839; PMCID: PMC10092877.*
- *Kim Y, Jones BA, Pfeiffer DU, Marrana M, Simmons HL, Budke CM, Fournié G. Risk of rinderpest virus re-introduction 10-years post-eradication. Prev Vet Med. 2023 Apr;213:105867. doi: 10.1016/j.prevetmed.2023.105867. Epub 2023 Jan 31. PMID: 36764216.*

b) International conferences:

Seven

- *Abstract: Ecosystem Health Competencies in the One Health Field Epidemiology Competency Framework, Dunkle, S; Alessandrini, B.; Castellan, D.; D'Albenzio, S.; Dissanayake, R.; Muehlen, M., Newman, S.; Pinto, J.; Schenkel, K.; Simmons, H. and Zaghoul, A. 16th International Symposium of Veterinary Epidemiology and Economics, Halifax, Canada (August 7-12, 2022)*
- *Abstract: Competency Prioritization for the Tripartite (FAO/WHO/WOA) Field Epidemiology One Health Competency Framework, Simmons, H., Alessandrini, B.; Cargill, J.; Castellan, D.; Budke, C.; D'Albenzio, S.; Dunkle, S; Dissanayake, R.; Muehlen, M.; Pinto, J.; Schenkel, K.; and Zaghoul, A. 16th International Symposium of Veterinary Epidemiology and Economics, Halifax, Canada (August 7-12, 2022)*
- *Abstract: Developing the Tripartite (FAO/WHO/WOA) Field Epidemiology One Health Competency Framework, Muehlen, M.; Alessandrini, B.; Castellan, D.; D'Albenzio, S.; Dunkle, S; Dissanayake, R.; Pinto, J.; Simmons, H.; Schenkel, K.; and Zaghoul, A. 16th International Symposium of Veterinary Epidemiology and Economics, Halifax, Canada (August 7-12, 2022)*
- *Abstract: One Health Field Epidemiology Competency Development: A Survey on Field Epidemiology Training Programmes in Public Health and Veterinary Public Health, Alessandrini, B.; Castellan, D.; D'Albenzio, S.; Dunkle, S; Dissanayake, R.; Pinto, J.; Simmons, H.;*

Schenkel, K.; and Zaghoul, A. 16th International Symposium of Veterinary Epidemiology and Economics, Halifax, Canada (August 7-12, 2022)

- Abstract: Building the Capacity of the Environment and Wildlife Sectors – Field Training Program for Wildlife, Environment, Biodiversity and Ecosystem Health professionals – the compliment to FETP and FETPV. Newman, S, Baker, C. Castellan, D, Gemmill-Herren, B, Simmons, H., Sleeman, J, Hall, V., Pelican, K., and Alders, R.. 7th World One Health Congress, Singapore, China (November 7-11. 2023)
- Abstract: Using Virtual Learning to develop One Health Competencies in the Pacific: A new approach in the Region for a multidisciplinary audience. Maria de la Puente Arévalo¹, Jenny Maud¹, Alessandra Alviti¹, Eimear O'Neill¹, Hao Tang², Achila Longchar², Tewmanoku Ioakim³, Elva Borja³, Anand Deo³, Acty George², Nunia Thomas-Moko⁴, David Castellan⁵, Heather Simmons⁶, Boripat Siriaronrat⁷, Xiangjun Yao³, Scott Newman², Madhur Dhingra¹. Veterinary Education Symposium, United Kingdom, (July 6th – 8th, 2022)
- Marion Muehlen, Julio Pinto, Stacie Dunkel, Ravi Dissanayake, Barbara Alessandrini, David Castellan, Simmons, Silvia Dalbenzio, Ahmed Zaghoul, Karl Schenkel. One Health Field Epidemiology Competency Development Approach. European Scientific Conference on Applied Infectious Disease Epidemiology. Stockholm, Sweden. 23-25 November 2022.

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?
Expansion of CC personnel numbers of Senior Fellows in emergency management.

12. Additional comments regarding your report: