

# OIE Collaborating Centres Reports Activities

## *Activities in 2021*

**This report has been submitted : 2022-01-19 21:12:42**

<b>Title of collaborating centre:</b>	Laboratory Biorisk Management
<b>Address of Collaborating Centre:</b>	Global Chemical and Biological Security (GCBS), 10600 Research Road SE, Albuquerque, New Mexico 87123 UNITED STATES OF AMERICA
<b>Tel.:</b>	+1-505 845 7983
<b>Fax:</b>	
<b>E-mail address:</b>	jbdicke@sandia.gov
<b>Website:</b>	<a href="http://www.biosecurity.sandia.gov/ibtr/home.html">www.biosecurity.sandia.gov/ibtr/home.html</a>
<b>Name of Director of Institute (Responsible Official):</b>	Dr. David Sandison
<b>Name (including Title and Position) of Head of the Collaborating Centre (formally OIE Contact Point):</b>	Dr. J. Bradley Dickerson, Senior Manager, Global Chemical and Biological Security
<b>Name of writer:</b>	J. Bradley Dickerson, PhD

**ToR: To provide services to the OIE, in particular within the region, in the designated specialty, in support of the implementation of OIE policies and, where required, seek for collaboration with OIE Reference Laboratories**

**ToR: To identify and maintain existing expertise, in particular within its region**

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

<b>Epidemiology, surveillance, risk assessment, modelling</b>	
<b>Title of activity</b>	<b>Scope</b>
Analysis of Brucellosis in Khyber Pakhtunkhwa	Advance Brucellosis surveillance and molecular diagnostics to improve laboratory biorisk management
One Health Network in Tanzania using Laboratory Infrastructure Network Analysis	Implementation of the Laboratory Infrastructure Network Analysis to improve detection of infectious disease outbreaks
<b>Training, capacity building</b>	
<b>Title of activity</b>	<b>Scope</b>
Provision of Biorisk Management Training to Veterinary Laboratories	Executed multiple training activities focused on building human capacity in biorisk management
Biorisk Management Curriculum Development in the Biomedical Sciences	Collaborate with university partners to implement biorisk management courses or curriculum in the veterinary sciences
Laboratory Design	Collaborate with laboratory personnel and management to facilitate a design that supports biorisk management
<b>Zoonoses</b>	
<b>Title of activity</b>	<b>Scope</b>
One Health Community of Practice	Deliver short remote sessions on specific topics related to One Health.
<b>Wildlife</b>	
<b>Title of activity</b>	<b>Scope</b>
Improving laboratory services for wildlife management	Laboratory capacity building in the wildlife sector to improve diagnostic testing and biorisk management
<b>Diagnosis, biotechnology and laboratory</b>	
<b>Title of activity</b>	<b>Scope</b>
Implementation of Laboratory Management Systems	Implement LMS to for laboratory inventory

Laboratory capacity building	Provision of diagnostic tools that support accurate diagnostics as well as biorisk management
------------------------------	---

***ToR : To propose or develop methods and procedures that facilitate harmonisation of international standards and guidelines applicable to the designated specialty***

**2. Proposal or development of any procedure that will facilitate harmonisation of international regulations applicable to the surveillance and control of animal diseases, food safety or animal welfare**

Proposal title	Scope/Content	Applicable area
Brucellosis surveillance	Promote molecular methods while monitoring Brucellosis	<input checked="" type="checkbox"/> Surveillance and control of animal diseases <input type="checkbox"/> Food safety <input type="checkbox"/> Animal welfare
Building community of practice in veterinary sectors	Conduct case-based sessions on infectious livestock diseases to build a community of practice	<input checked="" type="checkbox"/> Surveillance and control of animal diseases <input type="checkbox"/> Food safety <input type="checkbox"/> Animal welfare

***ToR: To establish and maintain a network with other OIE Collaborating Centres designated for the same specialty, and should the need arise, with Collaborating Centres in other disciplines***

***ToR: To carry out and/or coordinate scientific and technical studies in collaboration with other centres, laboratories or organisations***

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

No

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

No

***ToR: To place expert consultants at the disposal of the OIE.***

**5. Did your Collaborating Centre place expert consultants at the disposal of the OIE?**

Yes

Name of expert	Kind of consultancy	Subject
Lisa Astuto Gribble	Provided a gap analysis of Chapter 1.1.4 for OIE revisions	Laboratory biosafety and laboratory biosecurity

**ToR: To provide, within the designated specialty, scientific and technical training to personnel from OIE Member Countries**

**6. Did your Collaborating Centre provide scientific and technical training, within the remit of the mandate given by the OIE, to personnel from OIE Member Countries?**

Yes

- a) Technical visits: 2
- b) Seminars: 13
- c) Hands-on training courses: 39
- 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
c	Biorisk management training	Kenya	5
c	Basis of Lab Design	South Africa	20
c	Biorisk management training	Pakistan	5
c	Biorisk management training	Niger	21
c	Biorisk management training for curriculum development	Pakistan	104
c	Biorisk management training	India	77
c	Biorisk management training for curriculum development	Afghanistan	22
c	Biorisk management training	Jordan	27
c	Biorisk management training	Vietnam	35
c	Veterinary community of practice	Afghanistan	67
c	Biorisk management training	Algeria	61
c	Biorisk management training	Ethiopia	10
c	Biorisk management training	South Africa	20

c	Biorisk management training for curriculum development	Jordan	26
c	Biorisk management training	Libya	12
c	Biorisk management training	Nigeria	20
c	Biorisk management training	Uganda	18
c	Biorisk management training	Sierra Leone	20
c	Biorisk management training	Egypt	20
c	Biorisk management training	Benin	20
c	Biorisk management training	Central Africa Republic	25
c	Biorisk management training	Tanzania	40
b	Biorisk management community of practice	Yemen	32
b	Biorisk management seminars	Kenya	5
b	Lab operations	Uganda	6
b	Canadian Association of Wilderness Medicine	Canada	0
a	Lab Design	South Africa	15
a	Biorisk management seminars	Nigeria	32
a	Laboratory Assessments	Tanzania	40
a	Laboratory Assessments	Uganda	18

***ToR: To organise and participate in scientific meetings and other activities on behalf of the OIE***

**7. Did your Collaborating Centre organise or participate in the organisation of scientific meetings on behalf of the OIE?**

No

***ToR: To collect, process, analyse, publish and disseminate data and information relevant to the designated specialty***

**8. Publication and dissemination of any information within the remit of the mandate given by the OIE that may be useful to Member Countries of the OIE**

a) Articles published in peer-reviewed journals: 0

None

b) International conferences: 0

None

c) National conferences: 1

Professional Development Course: Biosecurity for Uncertain Situations: Challenges and Solutions at 1st ABSA Biosecurity Symposium

d) Other

(Provide website address or link to appropriate information): 2

SNL conducted a gap analysis of the existing OIE Laboratory Biosafety and Biosecurity Standard in comparison of the new WHO guidelines. This gap analysis will be used as the foundation for revisions of the standard.

LouAnn Crawford Burnett, Global Chemical and Biological Security, is the President of the American Biological Safety Association

### **9. Additional comments regarding your report:**

SNL routinely participates in national level events globally - mostly in low resource countries. These activities include table top exercises, biorisk management training, and curriculum development. In many of these places, national level conferences targeting laboratory biosafety and biosecurity do not exist.