

WOAH Collaborative Centre Reports Activities 2022

Activities in 2022

This report has been submitted : 1 février 2023 09:54

Centre Information

Title of WOA Collaborating Centre	Veterinary Biologicals Biobank
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Name Director of Institute (Responsible Official):	Dr. Piero Frazzi, General Director
Name (including Title and Position) of Head of the Collaborating Centre (WOAH Contact Point):	Maria Beatrice Boniotti; Biologist, Head of Reparto Tecnologie Biologiche Applicate; WOA Contact Point for the Veterinary Biologicals Biobank Collaborating Centre
Name of the writer:	Maria Beatrice Boniotti

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

Biobanking	
Title of activity	Scope
	Collect biological resources represented by cell cultures,

Repository of biological resources of interest in Veterinary field	microorganisms, serum samples, tissues and organs, characterized in their quality parameters to be used in diagnosis, research and production
Biobanking	
Title of activity	Scope
To provide 1 cell line to Austria	Research or diagnostic activity
Biobanking	
Title of activity	Scope
To provide 1 cell line to Germany	Research activity
Biobanking	
Title of activity	Scope
To provide 7 viral strains to Germany	Research activity
Biobanking	
Title of activity	Scope
To provide 1 cell line to Holland	Research activity
Biobanking	
Title of activity	Scope
To provide 1 viral strain to Holland	Research activity
Biobanking	
Title of activity	Scope
	Research activity

To provide 12 cell lines to Spain	
Biobanking	
Title of activity	Scope
To provide 1 viral strain to Spain	Research activity
Biobanking	
Title of activity	Scope
To provide 1 bacterial strain to Spain	Research activity
Biobanking	
Title of activity	Scope
To provide 6 viral strains to France	Research activity
Biobanking	
Title of activity	Scope
To provide 3 viral strains to Turkey	Research activity
Biobanking	
Title of activity	Scope
To provide 5 bacterial strains to Poland	Research activity
Biobanking	
Title of activity	Scope
To provide 2 cell lines to Portugal	Research activity

Biobanking	
Title of activity	Scope
To provide 4 cell lines to Marocco	Research activity
Biobanking	
Title of activity	Scope
To provide 2 cell lines to Thailand	Research activity
Biobanking	
Title of activity	Scope
To provide 1 cell line to Hungary	Research activity
Biobanking	
Title of activity	Scope
To provide 2 cell lines to Canada	Research activity
Biobanking	
Title of activity	Scope
To provide 1 cell line to Israel	Research activity
Biobanking	
Title of activity	Scope
To provide 1 cell line to Ecuador	Research activity

Biobanking	
Title of activity	Scope
To provide 1 cell line to Taiwan	Research activity
Biobanking	
Title of activity	Scope
To provide 1 cell line to The United States	Research activity
Biobanking	
Title of activity	Scope
To provide 72 cell lines to Italy	Research activity
Biobanking	
Title of activity	Scope
To provide 8 viral strains to Italy	Research activity
Biobanking	
Title of activity	Scope
To provide 1 mycoplasma strain to Switzerland	Research activity

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
		Laboratory expertise

Development of a WOA Virtual Biobank	To provide the OIE Member Countries with a web-based system collecting information on reference standards or important biological materials	Training and education health management Veterinary products
Definition of minimum requirements of data associated to biobank materials	To harmonize information associated to reference standard and, in general, to biological materials	Laboratory expertise Training and education health management Veterinary products
Implementation of ISO 20387	To create tools to facilitate the implementation of ISO 20387-General Requirements for Biobanking	Laboratory expertise Training and education health management Veterinary products

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

Yes

Name of OIE CC/RL/other organisation(s)	Location	Region of networking Centre	Purpose
European Virus Archive Global	Europe	Europe	Collection of viruses and derived products to facilitate the research and the retrieve of important viruses worldwide and to respond quickly in the event of epidemiological
European Joint One Health Project Crosssectoral framework for quality Assurance Resources for countries in the European Union	Europe	Europe	Collection and characterization of bacteria strains with antibiotic resistances that will be available to the Scientific community systems for proficiency testing, reference material and for research purposes in order to increase joint preparedness, in relation to bacterial zoonotic (especially foodborne) infections
			To overcome fragmentation in availability of resources and services, enhancing the

Joint Research Project MIRRI-it	Italy-Europe	Europe	quality management system of the collections, and focusing on needs and challenges of the stakeholders interested in the biotechnological transfer of these resources
BY-COVID	Europe	Europe	To develop and share community resources, data standards and guidelines that will enable a rapid and effective response to COVID-19 and novel epidemics
BBMRI-IT	Italy-Europe	Europe	BBMRI-IT is a network of more than 80 biobanks. The Italian Node of BBMRI collaborates with the entire scientific community that operates in activities directly or indirectly connected with research based on biological resources. Among the goals, the increase of the quality management level of biobanks to make samples comparable across different countries and different biobanking systems.

TOR4 AND 5: NETWORKING AND COLLABORATION

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

Yes

Name of OIE CC/RL/other organisation(s)	Location	Region of networking Centre	Purpose
WOAH Reference Laboratory for avian influenza and Newcastle disease	IZS delle Venezie (Padova, IT)	Europe	Italian network of biobanks or biorepository
WOAH Reference Laboratory for Bovine spongiform encephalopathy	IZS del Piemonte Liguria e Valle d'Aosta (Torino, IT)	Europe	Italian network of biobanks or biorepository

WOAH Reference Laboratory for Bluetongue	IZS dell'Abruzzo e del Molise (Teramo, IT)	Europe	Italian network of biobanks or biorepository
WOAH Reference Laboratory for Babesiosis, Theileriosis and Leishmaniosis	IZS della Sicilia (Palermo, IT)	Europe	Italian network of biobanks or biorepository
WOAH Reference Laboratory for Foot and Mouth Disease	IZS della Lombardia e e dell'Emilia Romagna (Brescia, IT)	Europe	Italian network of biobanks or biorepository
WOAH Reference Laboratory for Swine Vesicular Disease	IZS della Lombardia e e dell'Emilia Romagna (Brescia, IT)	Europe	Italian network of biobanks or biorepository
WOAH Reference Laboratory for Rabbit Haemorrhagic Disease	IZS della Lombardia e e dell'Emilia Romagna (Brescia, IT)	Europe	Italian network of biobanks or biorepository
WOAH Reference Laboratory for Rabbit Myxomatosis	IZS della Lombardia e e dell'Emilia Romagna (Brescia, IT)	Europe	Italian network of biobanks or biorepository
WOAH Reference Laboratory for Swine Influenza	IZS della Lombardia e e dell'Emilia Romagna (Brescia, IT)	Europe	Italian network of biobanks or biorepository
WOAH Reference Laboratory for Paratuberculosis	IZS della Lombardia e e dell'Emilia Romagna (Brescia, IT)	Europe	Italian network of biobanks or biorepository
WOAH Reference Laboratory for Equine Infection Anaemia	IZS del Lazio e Toscana (Roma, IT)	Europe	Italian network of biobanks or biorepository

TOR6: EXPERT CONSULTANTS

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

TOR7: SCIENTIFIC AND TECHNICAL TRAINING

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

No

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

Yes

a) Technical visit : 1

b) Seminars :

c) Hands-on training courses:

d) Internships (>1 month) :

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
A	Visit to the IZSLER Biobank infrastructure and Laboratories	Turkey	3

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:

b) International conferences:

- Oral presentation: "Biobank: Monitoring & Control", OIE SRR ABU DHABI WEBINAR BIOSAFETY AND BIOSECURITY ABU DHABI 1ST – 2ND FEBRUARY 2022:
- Poster: "THE OIE VIRTUAL BIOBANK PROJECT", 14th EPIZONE Annual Meeting, 18-20 May 2022, Barcelona, Spain
- Oral presentation: "OIE Virtual Biobank Project" EJP-ONE-HEALTH-CARE Training Session, 4 May, Rennes, France

c) National conferences:

Oral presentation: "La rete delle Biobanche Veterinarie degli IIZZSS", GIORNATA NAZIONALE BIOBANCHE BBMRI.IT 2022 BIOBANCHE, RIPRESA E RESILIENZA, 12 ottobre 2022, Genova, Italy

Oral presentation: "Le reti di Biobanche e il progetto WOA Virtual Biobank", Le biobanche tra presente e futuro, 28 November 2022, Rome, Italy

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?

In 2022, the collaborating centre has moved towards the accreditation according to ISO20387-General requirements for Biobanking. To assess the quality level of the IZSLER Biobank, an informal audit was performed.

Regarding the WOA Virtual Biobank project, the tender to assign the realization of the project to an IT company was carried out and finalized at the end of december 2022.

12. Additional comments regarding your report: