

OIE Collaborating Centres Reports Activities

Activities in 2021

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Title of collaborating centre:	Veterinary Biologicals Biobank
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Name of Director of Institute (Responsible Official):	Dr. Piero Frazzi, General Director
Name (including Title and Position) of Head of the Collaborating Centre (formally OIE Contact Point):	Maria Beatrice Boniotti; Biologist, Genomic Department; OIE Contact Point for the Veterinary Biologicals Biobank Collaborating Centre
Name of writer:	Maria Beatrice Boniotti

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

Other (Name the category)	
Title of activity	Scope
Biobanking. Repository of biological resources of interest in Veterinary field	Collect biological resources represented by cell cultures, microorganisms, serum samples, tissues and organs, characterized in their quality parameters to be used in diagnosis, research and production
To provide 1 Cell Line to France	Research activity
To provide 3 Cell Lines to Germany	Research activity
To provide 5 viral strains to Germany	Research activity
To provide 1 Cell Line to Croatia	Research activity
To provide 5 Cell Lines to Turkey	Research activity
To provide 1 Bacterial strain to Turkey	Research activity
To provide 1 Cell Line to Austria	Research activity
To provide 2 Viral strains to Austria	Research activity
To provide 1 Cell Line to Ireland	Research activity
To provide 1 Cell Line to the Netherlands	Research activity
To provide 6 Cell Lines to Spain	Research activity
To provide 2 Viral strains to Spain	Research activity
To provide 2 Cell Lines to Denmark	Research activity
To provide 3 Cell Lines to Thailand	Research activity
To provide 1 Cell Lines to Canada	Research activity
To provide 116 Cell Lines to Italy	Research activity
To provide 3 Viral strains to Italy	Research activity
To provide 17 Bacterial strains to Italy	Research activity

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
Development of an OIE Virtual Biobank	To provide the OIE Member Countries with a web-based system collecting information on reference standards.	<input checked="" type="checkbox"/> Surveillance and control of animal diseases <input checked="" type="checkbox"/> Food safety <input type="checkbox"/> Animal welfare
Definition of minimum requirements of data associated to biobank materials	To harmonize information associated to reference standard and, in general, biological materials	<input checked="" type="checkbox"/> Surveillance and control of animal diseases <input checked="" type="checkbox"/> Food safety <input type="checkbox"/> Animal welfare
Implementation of ISO 20387	To create tools to facilitate the implementation of ISO 20387-General Requirements for Biobanking	<input checked="" type="checkbox"/> Surveillance and control of animal diseases <input checked="" 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?

Yes

Name of OIE CC/RL/other organisation(s)	Location	Region of networking Centre	Purpose
European Virus Archive Global	Europe	<input checked="" type="checkbox"/> Africa <input checked="" type="checkbox"/> Americas <input checked="" type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input checked="" type="checkbox"/> Middle East	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 emergences

European Joint One Health Project Cross-sectoral framework for quality Assurance Resources for countries in the European Union	Europe	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East	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
Joint Research Project MIRRI-it	Italy-Europe	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East	to overcome fragmentation in availability of resources and services, enhancing the 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	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East	to develop and share community resources, data standards and guidelines that will enable a rapid and effective response to COVID-19 and novel epidemics

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?

Yes

Name of OIE CC/RL/other organisation(s)	Location	Region of networking Centre	Purpose
OIE Reference Centre for avian influenza and Newcastle disease	IZS delle Venezie (Padova, IT)	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East	Italian network of biobanks or biorepository
OIE Reference Centre for Bovine spongiform encephalopathy	IZS del Piemonte Liguria e Valle d'Aosta (Torino, IT)	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East	Italian network of biobanks or biorepository
OIE Reference Centre for Bluetongue	IZS dell'Abruzzo e del Molise (Teramo, IT)	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East	Italian network of biobanks or biorepository
OIE Reference Centre for Babesiosis, Theileriosis and Leishmaniosis	IZS della Sicilia (Palermo, IT)	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East	Italian network of biobanks or biorepository

OIE Reference Centre for Foot and Mouth Disease	IZS della Lombardia e e dell'Emilia Romagna (Brescia, IT)	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East	Laboratories of IZSLER involved in biobank activity
OIE Reference Centre for Swine Vesicular Disease	IZS della Lombardia e e dell'Emilia Romagna (Brescia, IT)	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East	Laboratories of IZSLER involved in biobank activity
OIE Reference Centre for Rabbit Haemorrhagic Disease	IZS della Lombardia e e dell'Emilia Romagna (Brescia, IT)	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East	Laboratories of IZSLER involved in biobank activity
OIE Reference Centre for Rabbit Myxomatosis	IZS della Lombardia e e dell'Emilia Romagna (Brescia, IT)	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East	Laboratories of IZSLER involved in biobank activity
OIE Reference Centre for Swine Influenza	IZS della Lombardia e e dell'Emilia Romagna (Brescia, IT)	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East	Laboratories of IZSLER involved in biobank activity
OIE Reference Centre for Equine Infection Anaemia	IZS del Lazio e Toscana	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input type="checkbox"/> Europe <input type="checkbox"/> Middle East	Italian network of biobanks or biorepository

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
Beatrice Boniotti	Scientific and technical consultancy	OIE Virtual Biobank Project
Danilo Mazza	IT consultancy	OIE Virtual Biobank Project

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?

No

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

b) International conferences: 0

c) National conferences: 0

d) Other
(Provide website address or link to appropriate information): 0

9. Additional comments regarding your report:

The Emergency situation due to the SARS-CoV2 pandemic lasted for the whole of 2021 and so did the involvement of the Laboratory directed by Dr. Boniotti. During 2021, as could be expected, we received no requests for visits or trainings from member countries, as travels were limited by national rules. The absence of publication and dissemination of information is a consequence of the stop of the activities, in favor of fighting the pandemic, during 2020 and 2021. We have already plan to disseminate information in internazional conferences in 2022.