**OIE Reference Laboratory Reports Activities**

**Activities in 2017**

This report has been submitted: 2018-01-24 10:31:11

<table>
<thead>
<tr>
<th><strong>Name of disease (or topic) for which you are a designated OIE Reference Laboratory:</strong></th>
<th>Classical swine fever</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Address of laboratory:</strong></td>
<td>Partyzantow Str. 57 24-100 Pulawy POLAND</td>
</tr>
<tr>
<td><strong>Tel.:</strong></td>
<td>+48-81 889 30 30</td>
</tr>
<tr>
<td><strong>Fax:</strong></td>
<td>+48-81 886 25 95</td>
</tr>
<tr>
<td><strong>E-mail address:</strong></td>
<td><a href="mailto:zpejsak@piwet.pulawy.pl">zpejsak@piwet.pulawy.pl</a></td>
</tr>
<tr>
<td><strong>Website:</strong></td>
<td><a href="http://www.piwet.pulawy.pl/">http://www.piwet.pulawy.pl/</a></td>
</tr>
<tr>
<td><strong>Name (including Title) of Head of Laboratory (Responsible Official):</strong></td>
<td>Prof. Zygmunt Pejsak</td>
</tr>
<tr>
<td><strong>Name (including Title and Position) of OIE Reference Expert:</strong></td>
<td>Prof. Zygmunt Pejsak</td>
</tr>
<tr>
<td><strong>Which of the following defines your laboratory? Check all that apply:</strong></td>
<td>Governmental</td>
</tr>
</tbody>
</table>
**ToR 1: To use, promote and disseminate diagnostic methods validated according to OIE Standards**

1. Did your laboratory perform diagnostic tests for the specified disease/topic for purposes such as disease diagnosis, screening of animals for export, surveillance, etc.? (Not for quality control, proficiency testing or staff training)

   Yes

<table>
<thead>
<tr>
<th>Diagnostic Test</th>
<th>Indicated in OIE Manual (Yes/No)</th>
<th>Total number of test performed last year</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Nationally</td>
</tr>
<tr>
<td>Indirect diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td>Yes</td>
<td>8482</td>
</tr>
<tr>
<td>NPLA</td>
<td>Yes</td>
<td>61</td>
</tr>
<tr>
<td>Direct diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RT-PCR</td>
<td>Yes</td>
<td>3252</td>
</tr>
</tbody>
</table>

**ToR 2: To develop reference material in accordance with OIE requirements, and implement and promote the application of OIE Standards. To store and distribute to national laboratories biological reference products and any other reagents used in the diagnosis and control of the designated pathogens or disease.**

2. Did your laboratory produce or supply imported standard reference reagents officially recognised by the OIE?

   No

3. Did your laboratory supply standard reference reagents (non OIE-approved) and/or other diagnostic reagents to OIE Member Countries?

   Yes
<table>
<thead>
<tr>
<th>Type of reagent available</th>
<th>Related diagnostic test</th>
<th>Produced/provide</th>
<th>Amount supplied nationally (ml, mg)</th>
<th>Amount supplied internationally (ml, mg)</th>
<th>No. of recipient OIE Member Countries</th>
<th>Region of recipients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serum positive for antibodies specific to CSFV</td>
<td>ELISA</td>
<td>Produced</td>
<td>10x 1 ml</td>
<td>-</td>
<td>1</td>
<td>Africa, Americas, Asia and Pacific, Europe, Middle East</td>
</tr>
<tr>
<td>Serum negative for antibodies specific to CSFV</td>
<td>ELISA</td>
<td>Produced</td>
<td>2x 1 ml</td>
<td>-</td>
<td>1</td>
<td>Africa, Americas, Asia and Pacific, Europe, Middle East</td>
</tr>
</tbody>
</table>

4. Did your laboratory produce vaccines?
No

5. Did your laboratory supply vaccines to OIE Member Countries?
No

**ToR 3: To develop, standardise and validate, according to OIE Standards, new procedures for diagnosis and control of the designated pathogens or diseases**

6. Did your laboratory develop new diagnostic methods validated according to OIE Standards for the designated pathogen or disease?
No

7. Did your laboratory develop new vaccines according to OIE Standards for the designated pathogen or disease?
No

**ToR 4: To provide diagnostic testing facilities, and, where appropriate, scientific and technical advice on disease control measures to OIE Member Countries**

8. Did your laboratory carry out diagnostic testing for other OIE Member Countries?
No
9. Did your laboratory provide expert advice in technical consultancies on the request of an OIE Member Country?

No

ToR 5: To carry out and/or coordinate scientific and technical studies in collaboration with other laboratories, centres or organisations

10. Did your laboratory participate in international scientific studies in collaboration with OIE Member Countries other than the own?

Yes
<table>
<thead>
<tr>
<th>Title of the study</th>
<th>Duration</th>
<th>Purpose of the study</th>
<th>Partners (Institutions)</th>
<th>OIE Member Countries involved other than your country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joint Lab for Animal Disease Control</td>
<td>2017 - open-ended</td>
<td>Boosting the development of Lanzhou Veterinary Research Institute and National Veterinary Research Institute diagnostic and scientific capacity through expertise and scientific exchange</td>
<td>Lanzhou Veterinary Research Institute, Chinese Academy of Agricultural Sciences</td>
<td>CHINA (PEOPLE’S REP. OF)</td>
</tr>
<tr>
<td>Swine diseases field diagnostics toolbox - SWINOSTICS</td>
<td>2017-2021</td>
<td>Developing a novel field diagnostic device, based on advanced, proven, bio-sensing technologies to tackle viruses causing epidemics in swine farms and leading to relevant economic damages.</td>
<td>Cyprus Research and Innovation Center, Agricultural Univeristy of Athens, Kontor Di Bonasso Matteo SAS, Consiglio Nazionale Delle Ricerche, ISS BioSense s.r.l. Italy, Lumensia Sensors SL, Universitat Politecnica de ValeciaA, Allatorvostudomanyi Eygetem, Universita Degli Studi di Firenze</td>
<td>CYPRUS GREECE HUNGARY ITALY SPAIN</td>
</tr>
<tr>
<td>Strengthening of scientific excellence of the National Veterinary Research Institute in animal health and food chain safety - VET-TWIN</td>
<td>2016-2018</td>
<td>The objective of the VET-TWIN project is to increase the potential and research capacity of the NVRI by cooperation with internationally-leading counterparts from Germany and Denmark, to act in an international scientific and research environment as a leading institute in the fields of animal infectious diseases, zoonoses and food chain safety.</td>
<td>Federal Institute for Risk Assessment, Technical University of Denmark</td>
<td>DENMARK GERMANY</td>
</tr>
</tbody>
</table>
Wildlife: collecting and sharing data on wildlife populations, transmitting animal disease agents - ENETWILD

<table>
<thead>
<tr>
<th>Year</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016-2021</td>
<td>The objective of the project is to improve the European capacities for monitoring of wildlife population, developing standards for data collection, validation and, finally, create and promote a data repository.</td>
</tr>
</tbody>
</table>

**University of Castilla-La Mancha, University of Sassari, French National Hunting and Wildlife Agency, National Wildlife Management Centre, Animal and Plant Health Agency National, University of Turino, Veterinary Institute of Sweden, Friedrich-Loeffler-Institut, University of Utrecht, Wageningen University and Research Center, Leibniz Institute for Zoo and Wildlife Research, Institute for Terrestrial and Aquatic Wildlife Research, The University of Veterinary Medicine Hannover, Erasmus University Medical Centre, French Agency for Food, Environmental and Occupational Health and Safety, Polish Academy of Science, Center for Fish and Wildlife Health, University of Bern, Bern, Switzerland**

**FRANCE**

**GERMANY**

**ITALY**

**SPAIN**

**SWEDEN**

**SWITZERLAND**

**THE NETHERLANDS**

**UNITED KINGDOM**

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**ToR 6: To collect, process, analyse, publish and disseminate epizootiological data relevant to the designated pathogens or diseases**

11. Did your Laboratory collect epizootiological data relevant to international disease control?

Yes

12. Did your laboratory disseminate epizootiological data that had been processed and analysed?

Yes

13. What method of dissemination of information is most often used by your laboratory?

(Indicate in the appropriate box the number by category)

a) Articles published in peer-reviewed journals: 0

b) International conferences: 3


Zygmunt Pejsak "Principles of ASF and CSF control, differential diagnosis" Yearly Swine Diseases Conference, 21.03.2017, Lviv, Ukraine

Zygmunt Pejsak "Principles of ASF and CSF control, differential diagnosis" Scientific Meeting on Animal Diseases, University of Thessaly, Faculty of Veterinary Science, 18.10.2017 Athens, Greece
ToR 7: To provide scientific and technical training for personnel from OIE Member Countries
To recommend the prescribed and alternative tests or vaccines as OIE Standards

14. Did your laboratory provide scientific and technical training to laboratory personnel from other OIE Member Countries?

No

ToR 8: To maintain a system of quality assurance, biosafety and biosecurity relevant for the pathogen and the disease concerned

15. Does your laboratory have a Quality Management System certified according to an International Standard?

Yes

<table>
<thead>
<tr>
<th>Quality management system adopted</th>
<th>Certificate scan (PDF, JPG, PNG format)</th>
</tr>
</thead>
</table>

16. Is your laboratory accredited by an international accreditation body?

No

17. Does your laboratory maintain a “biorisk management system” for the pathogen and the disease concerned?

Yes

(See Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Chapter 1.1.4)

ToR 9: To organise and participate in scientific meetings on behalf of the OIE

18. Did your laboratory organise scientific meetings on behalf of the OIE?

No
19. Did your laboratory participate in scientific meetings on behalf of the OIE?

No

**ToR 10: To establish and maintain a network with other OIE Reference Laboratories designated for the same pathogen or disease and organise regular inter-laboratory proficiency testing to ensure comparability of results**

20. Did your laboratory exchange information with other OIE Reference Laboratories designated for the same pathogen or disease?

Yes

21. Was your laboratory involved in maintaining a network with OIE Reference Laboratories designated for the same pathogen or disease by organising or participating in proficiency tests?

Yes

<table>
<thead>
<tr>
<th>Purpose of the proficiency tests:</th>
<th>Role of your Reference Laboratory (organiser/participant)</th>
<th>No. participants</th>
<th>Participating OIE Ref. Labs/organising OIE Ref. Lab.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Determination of participating laboratories proficiency in CSF diagnostic methods: RT-PCR, virus neutralisation assay, virus isolation, ELISA</td>
<td>participant</td>
<td>47</td>
<td>Organised by OIE Reference Laboratory - University of Veterinary Medicine of Hannover, Department of Infectious Diseases, Institute of Virology</td>
</tr>
</tbody>
</table>

1 validation of a diagnostic protocol: specify the test; quality control of vaccines: specify the vaccine type, etc.

22. Did your laboratory collaborate with other OIE Reference Laboratories for the same disease on scientific research projects for the diagnosis or control of the pathogen of interest?

No

**ToR 11: To organise inter-laboratory proficiency testing with laboratories other than OIE Reference Laboratories for the same pathogens and diseases to ensure equivalence of results**

23. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than OIE Reference Laboratories for the same disease?

Yes
Purpose for inter-laboratory test comparisons | No. participating laboratories | Region(s) of participating OIE Member Countries
--- | --- | ---
Evaluation of the proficiency of national state veterinary diagnostic laboratories in serological diagnostics of CSF (organiser) | 10 | □Africa □Americas □Asia and Pacific □Europe □Middle East

**ToR 12: To place expert consultants at the disposal of the OIE**

24. Did your laboratory place expert consultants at the disposal of the OIE?

No

25. Additional comments regarding your report: