# OIE Reference Laboratory Reports Activities

## Activities in 2013

This report has been submitted: 2014-02-24 11:04:06

<table>
<thead>
<tr>
<th>Name of disease (or topic) for which you are a designated OIE Reference Laboratory:</th>
<th>Infection with infectious salmon anaemia virus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address of laboratory:</td>
<td>P.O. Box 750 Sentrum 0106 Oslo NORWAY</td>
</tr>
<tr>
<td>Tel.:</td>
<td>+47-23 21 60 00</td>
</tr>
<tr>
<td>Fax:</td>
<td>+47-23 21 63 01</td>
</tr>
<tr>
<td>e-mail address:</td>
<td><a href="mailto:knut.falk@vetinst.no">knut.falk@vetinst.no</a></td>
</tr>
<tr>
<td>website:</td>
<td><a href="http://www.vetinst.no">www.vetinst.no</a></td>
</tr>
<tr>
<td>Name (including Title) of Head of Laboratory (Responsible Official):</td>
<td>Dr. Gudmund Holstad, Managing Director</td>
</tr>
<tr>
<td>Name (including Title and Position) of OIE Reference Expert:</td>
<td>Dr. Knut Falk, VMD, PhD, Senior Researcher</td>
</tr>
<tr>
<td>Which of the following defines your laboratory? Check all that apply:</td>
<td>Governmental</td>
</tr>
</tbody>
</table>

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OIE Reference Laboratory Reports Activities, 2013
ToR: 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>Nationally</td>
<td>Internationally</td>
</tr>
<tr>
<td>Indirect diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Histopathology</td>
<td>Yes</td>
<td>8457</td>
</tr>
<tr>
<td>Direct diagnostic tests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistochemistry</td>
<td>Yes</td>
<td>486</td>
</tr>
<tr>
<td>Cell culture/IFAT for virus isolation/identification</td>
<td>Yes</td>
<td>32</td>
</tr>
<tr>
<td>Real-time RT-PCR</td>
<td>Yes</td>
<td>379</td>
</tr>
<tr>
<td>Sequencing for genotyping</td>
<td>Yes</td>
<td>34</td>
</tr>
</tbody>
</table>

ToR: 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?

   No

4. Did your laboratory produce vaccines?

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

No

**ToR:** 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:** 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?

Yes

<table>
<thead>
<tr>
<th>Name of OIE Member Country seeking assistance</th>
<th>Date (month)</th>
<th>No. samples received for provision of diagnostic support</th>
<th>No. samples received for provision of confirmatory diagnoses</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHILE</td>
<td>28/04</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>

9. Did your laboratory provide expert advice in technical consultancies on the request of an OIE Member Country?

Yes

<table>
<thead>
<tr>
<th>Name of the OIE Member Country receiving a technical consultancy</th>
<th>Purpose</th>
<th>How the advice was provided</th>
</tr>
</thead>
<tbody>
<tr>
<td>KOREA (REP. OF)</td>
<td>Advice on ISAV RT-PCR methodology</td>
<td>e-mail communication</td>
</tr>
</tbody>
</table>

**ToR:** 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>
</tr>
</thead>
<tbody>
<tr>
<td>Characterisation of ISA HPR0 virus- and infection in</td>
<td>5 years</td>
<td>Characterize ISAV HPR0 infection, determine biological significance if ISAV HPR0 and</td>
<td>Food, Veterinary and Environmental Agency, Faroe Islands Marine Scotland, Marine</td>
</tr>
<tr>
<td>Atlantic salmon</td>
<td></td>
<td>identify ISAV virulence markers</td>
<td>Laboratory, Aberdeen, UK</td>
</tr>
</tbody>
</table>

**ToR:** 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:  4


   b) International conferences:  5


c) National conferences: 1

d) Other:
(Provide website address or link to appropriate information) 2
Maria Aamelfot: Thesis for the degree of Philosophiae Doctor " Tropism of Infectious salmon anaemia virus and distribution of the 4-O-acetylated sialic acid receptor", Norwegian School of Veterinary, 2012


**ToR: 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: 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>
</tr>
</thead>
<tbody>
<tr>
<td>ISO 17025</td>
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</tbody>
</table>

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

Yes

<table>
<thead>
<tr>
<th>Test for which your laboratory is accredited</th>
<th>Accreditation body</th>
</tr>
</thead>
<tbody>
<tr>
<td>Influenza A virus (matrix) – Detection with real-time RT-PCR (ME07_127)</td>
<td>Norwegian Accreditation, member of EA</td>
</tr>
</tbody>
</table>
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 2012, Chapter 1.1.3 or Manual of Diagnostic Tests for Aquatic Animals 2012, Chapter 1.1.1)

ToR: 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: 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?

Not applicable (Only OIE Reference Lab. designated for disease)

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?

Not applicable (Only OIE Reference Lab. designated for disease)

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?

Not applicable (Only OIE Reference Lab. designated for disease)

ToR: 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?
Purpose for inter-laboratory test comparisons

<table>
<thead>
<tr>
<th>Purpose for inter-laboratory test comparisons</th>
<th>No. participating laboratories</th>
<th>Region(s) of participating OIE Member Countries</th>
</tr>
</thead>
</table>
□ Americas  
□ Asia and Pacific  
□ Europe  
□ Middle East |
| Inter-Laboratory Proficiency Test for Fish viruses - testing of Norwegian commercial laboratories | 5 | □ Africa  
□ Americas  
□ Asia and Pacific  
□ Europe  
□ Middle East |

**ToR: 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: