

OIE Collaborating Centres Reports Activities

Activities in 2015

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Title of collaborating centre:	Epidemiology Aquatic Animal Diseases
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Name of Director of Institute (Responsible Official):	Dir. Gen. Dr. Gudmund Holstad
Name (including Title and Position) of Head of the Collaborating Centre (formally OIE Contact Point):	Head of Section Dr. Edgar Brun Associate Dean Prof Larry Hammell
Name of writer:	Edgar Brun and Larry Hammell

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

Epidemiology, surveillance, risk assessment, modelling	
Title of activity	Scope
Assessment of factors associated with increased mortality at shrimp farms in Vietnam (ongoing) -	Collaborative research project to examine retrospective and prospective farm health and production data to identify factors related to reduced productivity
Training, capacity building	
Title of activity	Scope
Sea Lice Identification workshop	Regional Industry Workshops: training given to farm staff in Atlantic Canada
Aquatic animal diseases	
Title of activity	Scope
Non	non

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
Promoting innovation in Animal Health surveillance	Submitted a proposal for an EU Cost Action to establish an international network (platform) on animal health surveillance including both terrestrial and aquatic animals. Proposal declined (will be resubmitted April 2016)	<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?

Yes

Name of OIE CC/RL/other organisation(s)	Location	Region of networking Centre	Purpose
OIE Reference lab for ISA	Norway	<input type="checkbox"/> Africa <input type="checkbox"/> Americas <input type="checkbox"/> Asia and Pacific <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Middle East	research project financed by the industry on ISA

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
Larry Hammell	Technical Advisory Group	New Zealand Aquatic Disease Response

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: 2
 c) Hands-on training courses: 1
 d) Internships (>1 month): 1

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
OIE PVS Mission to Brazil 20-30 Oct 2015	OIE PVS Mission	Canada	5

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?

Yes

National/International	Title of event	Co-organiser	Date (mm/yy)	Location	No. Participants
International	Focal point meeting	Norwegian Food Safety Authority	July 1- 3, 2015	Bergen	25

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: 3
 CARAGUEL C, GARDNER IA, HAMMELL KL. 2015. Selection and interpretation of diagnostic tests in aquaculture biosecurity. J Appl Aquacult 27: 279-298.

LILLEHAUG A, SANTI N, OSTVIK A. 2015 Practical Biosecurity in Atlantic Salmon production. J of applied Aquacult 27, 249 - 262 (DOI 10.1080/10454438.2015.1066174)

LYNGSTAD TM, HELLBERG H, VILJUGREIN H, BANG JENSEN B, BRUN E, SERGEANT E, TAVORNPANICH S. 2015. Routine clinical inspections in Norwegian marine salmonid sites: A key role in surveillance for freedom from pathogenic viral haemorrhagic septicaemia (VHS). (doi:10.1016/j.prevetmed.2015.12.008)

b) International conferences: 3

OIE Global Conference Aquatic Animal Health: Riding the Wave to the Future, Ho Chi Minh City, Vietnam, 20-22 Jan 2015. Hammell L, Brun E, Caraguel C, Gardner I. Surveillance Challenges under Different Farming and Environmental Conditions.

OIE Global Conference Aquatic Animal Health: Riding the Wave to the Future, Ho Chi Minh City, Vietnam, 20-22 Jan 2015. Brun E, Tavornpnich S, Hammell L, Peeler E. Designing Surveillance in a Compartment: Can the Same Approach be Taken for a Zone and a Compartment?

Third Australasian Scientific Conference on Aquatic Animal Health (Cairns, Australia), July - Using evidence to support policies when no one wants research, just answers; Preventing and treating fish disease: Enhancing the rigour of field assessments

New Zealand Ministry for Primary Industries Fish Health Meeting (Wellington, NZ), Nov - Evidence to support aquaculture health policies.

c) National conferences: 3

Aquaculture Association of Canada Conference - Value through Innovation (BC, Canada) - Generating usable summaries and graphical comparisons for industry health trends: applying salmon experience to warm water species.

NLDFA Fish Health Workshop (Canada): Assessing effectiveness of control and prevention using randomized trials.

KLIMAMARIN, co-organizing a national conference on climatic effects on sea food production (aquaculture and ordinary fisheries) (www.klimamarin.no).

d) Other

(Provide website address or link to appropriate information): 8

AFONSO A, HAMMELL L, BARIŠIĆ. 2015. OIE Aquatic PVS Evaluation Report of the Aquatic Animal Health Services of Brazil. Confidential OIE Publication, World Organisation for Animal Health, Paris, France. 157 pp.

BOERLAGE AS, SANCHEZ J, STRYHN H, HAMMELL KL. Case definitions applied to clinical and subclinical Bacterial Kidney Disease (BKD) in salmonid aquaculture in Atlantic Canada. International Society for Veterinary Epidemiology & Economics 14, Merida, Mexico (Nov 2015) <http://isvee2015.org/program-2/scientific-program/>

GAUTAM R, VANDERSTICHEL R, BOERLAGE A, REVIE C, HAMMELL KL. Assessing sea lice bath treatment: when is the appropriate time to count sea lice pre- and post- treatment? International Society for Veterinary Epidemiology & Economics 14, Merida, Mexico (Nov 2015) <http://isvee2015.org/program-2/scientific-program/>

VANDERSTICHEL R, PAGE F, HAMMELL L, REVIE C, ST-HILAIRE S, GARDNER I. Predicting pathogen transmission between aquaculture sites in coastal waters of eastern Canada. International Society for Veterinary Epidemiology & Economics 14, Merida, Mexico (Nov 2015) <http://isvee2015.org/program-2/scientific-program/>

BOERLAGE AS, DUNG TT, HOA TTT, DAVIDSON J, HAMMELL KL. Mortality and common diseases during grow-out of red tilapia (*Oreochromis spp.*) cultured in the Mekong Delta, Vietnam [poster]. International Society for Veterinary Epidemiology & Economics 14, Merida, Mexico (Nov 2015) <http://isvee2015.org/program-2/scientific-program/>

LYNGSTAD TM, HELLBERG H, VILJUGREIN H, BANG JENSEN B, BRUN E, SERGEANT E, TAVORNPANICH S. Routine clinical inspections in marine salmonid farms have a high capability of detecting viral haemorrhagic septicaemia (VHS) and play a key role in surveillance for freedom. International Society for Veterinary Epidemiology & Economics 14, Merida, Mexico (Nov 2015) <http://isvee2015.org/program-2/scientific-program/>

TAVORNPANICH S, LYNGSTAD TM, YATABE-RODRIGUEZ T, MARTINEZ-LOPEZ B. Evaluating the role of aquaculture support vessels in disease transmission in marine aquaculture in Norway. International Society for Veterinary Epidemiology & Economics 14, Merida, Mexico (Nov 2015)

HØGÅSEN HR, LYNGSTAD TM, JANSEN MD, NILSEN A. Risk of disease transfer by wellboats in Norway. International Society for Veterinary Epidemiology & Economics 14, Merida, Mexico (Nov 2015) <http://isvee2015.org/program-2/scientific-program/>