OIE Collaborating Centers Reports Activities
Activities in 2014

This report has been submitted: 2015-02-09 19:18:11

<table>
<thead>
<tr>
<th>Title of collaborating centre:</th>
<th>Animal Disease Surveillance Systems, Risk Analysis and Epidemiological Modelling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address of Collaborating Centre:</td>
<td>USDA-APHIS-VS-CEAH 2150 Centre Ave, Building B Fort Collins, CO 80526-8117 UNITED STATES OF AMERICA</td>
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<td>Tel.:</td>
<td>+1-970 494.72.00</td>
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<td>+1-970 494.72.29</td>
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<td><a href="mailto:bruce.a.wagner@aphis.usda.gov">bruce.a.wagner@aphis.usda.gov</a></td>
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<tr>
<td>Website:</td>
<td><a href="http://www.aphis.usda.gov/about_aphis">www.aphis.usda.gov/about_aphis</a></td>
</tr>
<tr>
<td>Name of Director of Institute (Responsible Official):</td>
<td>Dr. Elizabeth Lautner Associate Deputy Administrator Science, Technology and Analysis Services USDA-APHIS-VS</td>
</tr>
<tr>
<td>Name (including Title and Position) of Head of the Collaborating Centre (formally OIE Contact Point):</td>
<td>Dr. Bruce Wagner Co-Director Center for Epidemiology and Animal Health Science, Technology and Analysis Services USDA-APHIS-VS</td>
</tr>
<tr>
<td>Name of writer:</td>
<td>Dr. Bruce Wagner Co-Director Center for Epidemiology and Animal Health Science, Technology and Analysis Services USDA-APHIS-VS</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Epidemiology, surveillance, risk assessment, modelling</th>
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<tbody>
<tr>
<td><strong>Title of activity</strong></td>
</tr>
<tr>
<td>Surveillance Assessment</td>
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</table>

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

<table>
<thead>
<tr>
<th>Proposal title</th>
<th>Scope/Content</th>
<th>Applicable area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disease control in aquaculture in Chile</td>
<td>CEAH personnel submitted the final report on the 3-year environmental collaboration project between Chile and the United States. The project was focused on evidence-based disease control in aquaculture. Several recommendations resulting from the project have facilitated changes in disease control regulation and compliance by the industry.</td>
<td>- Surveillance and control of animal diseases - Food safety - Animal welfare</td>
</tr>
</tbody>
</table>

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
--- | --- | --- | ---
Center for Animal Health and Food Safety, University of Minnesota (Veterinary Services Capacity Building) | Minnesota, US | □Africa □Americas □Asia and Pacific □Europe □Middle East | Poultry product risk assessments in support of national response planning for highly pathogenic avian influenza (HPAI). These risk assessments will help ensure market continuity for the poultry industry in the event of a HPAI outbreak.

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?

No

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

<table>
<thead>
<tr>
<th>Name of expert</th>
<th>Kind of consultancy</th>
<th>Subject</th>
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<tbody>
<tr>
<td>Dr. Celia Antognoli</td>
<td>Participated in the ad hoc group to evaluate the dossiers submitted by member countries for OIE recognition of classical swine fever free status, November 2014</td>
<td>Classical Swine Fever, Free Status Requests</td>
</tr>
</tbody>
</table>

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: 3
b) Seminars: 0
c) Hands-on training courses: 6
d) Internships (>1 month): 0
Conducted a training course on spatial epidemiology, to animal health specialists. An objective of this training was also to strengthen our professional relationship with this region of south Asia.

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: 16


b) International conferences:  3  
Dr. Lori Gustafson, International Symposium for Aquatic Animal Health (ISAAH) in Portland, Ore., in August 2014. She presented on "Mollusc pathogen surveillance to inform zonation in the U.S. Pacific Northwest" co-authored with Rebecca Jones (SDA) and Ralph Elston (Aquatechnics, Inc).

Dr. Celia Antognoli, abstract titled “Evaluation of antibody and cell-mediated based tests for detection of bovine tuberculosis in United States cattle” to the VI International M. bovis Conference in Cardiff, Wales, June 16-19.

Dr. Amy Delgado, Evaluating the demand placed on laboratory capacity by foot-and-mouth disease (FMD) outbreak response and surveillance, International Conference on Animal Health Surveillance, May 2014, Havana, Cuba

c) National conferences:  10  
Dr. Jason Lombard, bulk tank somatic cell counts in the U.S., National Mastitis Council Annual Meeting, January 2014

Dr. Katherine Marshall, Results from the NAHMS Sheep 2011 study, American Sheep Industry Association and American Goat Federation, January 2014


Amy Hagerman, The Economic Research Agenda in Public Practice, Southern Agricultural Economics Association, February 2014

Dr. Amy Delgado, Risk Perception, Disease Reporting, and Cooperation with Emergency Response: Foundations for Effective Risk Communication, National Institute of Food and Agriculture, April 2014

Dr. Lindsey Garber, Western Poultry Disease Conference, National Animal Health Monitoring System Layers 2013 - Changes in Management Practices Relevant to Salmonella Enteritidis on U.S. Table Egg Farms, April 2014


Dr. Amy Hagerman, Safe Milk Movements and Continuity of Business: Producer Risk and Testing Requirements in
Animal Disease Surveillance Systems, Risk Analysis and Epidemiological Modelling - Centers for Epidemiology and Animal Health

Surveillance Zones During an FMD Outbreak in Texas, and The Economic Research Agenda in Public Practice, Western Agricultural Economics Association Annual Meetings, June 24, 2014


Dr. David Dargatz, results from the recent NAHMS Feedlot and Dairy Heifer Rearing studies, 2014 Bovine Respiratory Disease Symposium in Denver on July 30. July 2014

10

d) Other

(Provide website address or link to appropriate information): 16


