

Activity report 2014 One Health Sweden

Organization

Steering group: Lotta Berg, Swedish Agricultural University (SLU), Chair
Karin Artursson, National Veterinary Institute (SVA)
Björn Olsen, Uppsala University (UU)
Jonas Waldenström, Linnéus University (LnU)

Co-opted: Josef Järhult, UU, and Susanna Sternberg Lewerin, SLU.
The Steering group has met 5 times in 2014.

Project coordinators: Eva Haxton, UU and Anna Lindberg, SVA.
The IEE One Health Journal: Lovisa Svensson, LnU until February. Tanja Strand, UU from February.
Web editor: Staffan Tamm, SVA.

Research network: Around 320 researchers are registered members of One Health Sweden (OHS).

Activities

Representatives from One Health Sweden took part in a Bio security-meeting in the US, in January, where cooperation within Bio security from a One Health-perspective was discussed with the University of Pittsburgh Medical Center. Follow-up meetings were held during 2014.

In mid-March the annual two day scientific meeting took place at Friiberghs Herrgård, the “Nordic One Health Conference - Interdisciplinary meeting on infectious diseases and antibiotic resistance”. More than 90 persons took part and a number of Nordic speakers were responsible for a varied and interesting program. Robert Skov from Statens Seruminstitut in Denmark talked about “Livestock an important reservoir for resistance?”. Antti Oksanen from Evira in Finland lectured on One Health in Northern Fennoscandia and Merete Hofshagen from the National Veterinary Institute in Norway informed about surveillance of *Campylobacter* in poultry in Norway.

A number of research seminars were held during the year and OHS cooperative partner Zoonotic Science Center organised a zoonosis seminar series open for researchers at seven separate occasions.

OHS is part of the network Research Cooperation around Infectious Disease in Uppsala. Information exchange, activities and cooperation for grant applications are important goals for this working group.

At the beginning of 2014 a wide cooperation around vector borne infections was initiated in Sweden where the University hospital, Akademiska sjukhuset, also takes part. Central for this constellation is to connect patient value with clinical research about vector borne infections.

OHS is a member of Health and Environment Alliance, HEAL in Brussels. HEAL is an independent non-profit lobby organization within the EU working with issues concerning how health and quality of life are influenced by the environment within the EU. OHS takes an active part in HEAL's work and always participates at their AGMs. This year an OHS-member was nominated to the HEAL-board.

The Educational material on One Health offered free of charge to teachers and pupils at secondary and high school was reprinted because of the huge demand. 20 000 copies have been distributed and it is now out of print. It is now available in its digital version at the OHS website. During 2014, 1258 teachers ordered the material.

In the spring OHS participated at a national conference for high school natural science teachers and also took part in an inspirational day for teachers in Uppsala.

In spring OHS presented a poster at the 7th European Meeting on Viral Zoonoses in France, and a roll-up at the 5th International Giardia & Cryptosporidium Conference as well as at the SFAM-MVNA Summer Conference 2014 in Brighton for young researchers (with an oral presentation). Representatives for OHS gave One Health-lectures at a meeting in Brussels co-organized by FVE, CPME and the European Commission: "Ensuring Health & Sustainability in Europe: Doctors and Veterinarians Emphasize: Prevention is Better Than Cure".

At the beginning of autumn OHS was presented at the International department at Uppsala University for Leif Kirsebom and Kay Svensson.

On the November 10 Karin Artursson delivered a speech at a One Health Webinar arranged by The One Health Commission (OHC) and the North Carolina One Health Collaborative (NC OHC), USA. The title was "Inter-agency collaboration on zoonosis and the One Health Sweden research network". The Webinar reached 700 listeners in 65 countries and was then made available online.

An application for Horizon 2020 was initiated on "Sustainable Terrestrial Livestock Production" with SVA as the coordinator. Both SLU and UU are co-applicants in the consortium with a total of 16 partners. HEAL is part of the advisory group.

Representatives from OHS participated at the first gathering within the "Network for evaluation of One Health" (NEOH), an EU COST-financed network. OHS is also represented in the management committee and in WG4. The aim of NEOH is to develop, test and evaluate methods to measure the benefit of a One Health-perspective for research and practice, and to communicate the results to the public and decision makers.

At the end of the year four persons from the OHS-network took part in an investigation trip to the Galapagos Islands, in order to meet authorities, research groups and other relevant institutions as part of the planning for a sampling project regarding antibiotic resistance, in the area. This project is connected to a larger project on antibiotic resistance in environments with limited human activities and a limited livestock production.

Examples of participation in examination committees and public examinations for doctoral degrees within OHS: Public examination LnU, assistant supervisor UU (28 May, Petra Griekspoor). Public examination LnU, assistant supervisor UU, examination committee SLU (13 June, Johan Stedt). Public examination UU, opponent SLU (Jorge Hernandez, 10 October). Half time UU, examination committee SLU (5 May, Gustav Starlander).

The One Health Journal "Infection Ecology and Epidemiology" has during 2014 published 21 articles on the theme infection biology from a One health-perspective. All material is published online and is open access for researchers globally within this field. The Journal has during 2014 had 15 070 visitors from 171 countries. Statistics from social media used for the Journal: LinkedIn-group now more than 800 members, Twitter 729 followers and the Facebook-page increase the number of followers each month.

The OHS ambition is to offer researchers a platform to meet in various ways. Through the network many contacts have been made between researchers from different disciplines and a number of grant applications have been submitted during the year to different agencies, where the OHS network has been instrumental.

The website www.onehealth.se has been updated frequently, Scientific conferences and meetings have been advertised, articles on the One Health-area have been added, activity reports published etc. The information is mainly in English.

Structures supporting the One Health-perspective are:

- Center for global animal disease, (CGD), SLU, the main aim is to strengthen research and increase the involvement within the field of global contagious animal disease, including zoonosis within SLU. CGD contributes to the work of SLU concerning these infections.
- The Zoonotic Science Center and Laboratory at BMC is since the end of 2013 an additional and increasingly important partner for OHS and a lot of collaboration and projects have been initiated.

Financing

The activities for 2014 have been financed by

- Uppsala University: Full time coordination consisting of a half time, One Health-research activities, 10% editor for the Journal and other administration.
- National Veterinary Institute, SVA, has contributed with 30% project coordination and direct running cost contribution of 10 000 SEK.
- The Swedish Agricultural University, SLU: 110 000 SEK contribution to coordination, travel to steering group meetings and seminar activities, as well as co-financing of the running costs for the One Health Journal for 2014 and 2015.
- Linnéus university, Kalmar, has contributed 10 000 SEK to OHS-administration.

- The Swedish Research Council Formas has contributed to OHS's annual Scientific conference with 90 000 SEK.
- Swedish Research Council (Vetenskapsrådet) has contributed to OHS's annual Scientific conference with 70 000 SEK.