
NEOH UPDATES, December 2018

This is the last newsletter of the COST funded Action Network for Evaluation of One Health. NEOH will continue as the **Network for EcoHealth and One Health** as a [European Chapter of Ecohealth International](#).

Over the past year, a working group under the lead of John Berezowski from Switzerland, developed some guiding principles such as: The Network for EcoHealth and One Health will be a **European based network** but **not restricted** to Europe, but extend its membership and activities to other One-Ecohealth organisations globally and **membership should be as broad as possible**. It will build on the work conducted by the Network for Evaluation of One Health and focus on actions that make a difference. For more details, please click [here](#).

HOW TO JOIN:

If you would like to join the **Network for EcoHealth and One Health**, you must first register as a member of Ecohealth International via their [website](#). Click on the membership tab, and fill in the form for individual membership. Please let Sara Savić know that you have registered: sara@niv.ns.ac.rs. We will then contact you with more information about the new organisation and next activities.

- **NEOH CONSORTIUM**

- At the time of the end of the Action, the Network had around 250 members and associates from a wide range of countries.
- The official list of partner countries and the management committee members can be found on the COST website: http://www.cost.eu/COST_Actions/tdp/TD1404?parties
- On the 26th of April 2018 the Committee of Senior Officials (CSO) gave approval for Albania to become the 37th COST Member State, and for Kosovo (under UNSCR 1244/1999) to become a COST Near Neighbour Country (NNC).

- **NEOH WG UPDATES**

- **WG1: HANDBOOK DEVELOPMENT**
 - The NEOH handbook **Integrated approaches to health- A handbook for the evaluation of One Health**, was officially launched at the NEOH conference dinner in Bologna and can be downloaded as open access here: <https://www.wageningenacademic.com/neoh>. To date, the handbook has been downloaded nearly 2,000 times. Keep spreading the word!
- **WG2: CASE STUDIES**
 - A Frontiers research topic called *Concepts and experiences in framing, integration and evaluation of One Health and EcoHealth* and dedicated to the application of the NEOH Framework to case studies can be accessed [here](#). At the end of the NEOH Action in mid-November 2018 the following statistics could be extrapolated for this special issue with **33,355** total views, **25,751** article views, **2,852** article downloads and **4,752** topic views.

- **WG3: LITERATURE REVIEW**
 - A meeting took place in November in London with 10 participants to discuss the WG3 work and findings and draft a publication on the topic: "Meta-analysis of One Health initiatives".
- **WG4: ENGAGEMENT AND DISSEMINATION**
 - Two videos were produced for dissemination and engagement purposes; one on [NEOH in general](#) and one on the [Final Action conference in Bologna](#).
 - A **FINAL ACTION DISSEMINATION leaflet** is currently being produced with the aims to:
 - Disseminate our NEOH outputs widely and encourage uptake of the new tools and content developed
 - Raise awareness of the One Health/Ecohealth challenge and demonstrate how evaluation can lead to better evidence for One Health and resource allocation.
 - Distil key messages in an easy accessible format and encourage people to look into our handbook.
 - Disseminate outputs, promote uptake and awareness and move towards a next phase of collaboration, cooperation and engagement in NEOH Phase 2.
- **NEOH MEETINGS**
 - MC meeting in Bologna, Italy in November 2018– minutes can be found on Alfresco
 - **Final Action Conference:** The conference on “**Creating Impact for OH and EcoHealth: Implementation/ Evaluation/ Governance**” was successfully held with over 100 participants in Bologna from the 10th to the 12th of September 2018; a detailed report and Video can be found on the NEOH website: <http://neoh.onehealthglobal.net/final-action-conference/>
 - German NEOH MC member Prof. B. Petersen and her colleagues organised a [One Health conference on One Health and Food Safety in Bonn in September 2018](#) and gave Sara Savic, Massimo Canali and Barbara Haesler the opportunity to give a [workshop](#) on “Vision to Develop and Use Methods and Frameworks for Improved One Health Decision Making”.
 - WG 3 held a successful [meeting](#) in London in November 2018 to draft a publication on the topic: "Meta-analysis of One Health initiatives".
- **DISSEMINATION: CONFERENCES, WORKSHOPS AND PUBLICATIONS**
 - Several NEOH members participated at the annual conference of the **International Society for Economics and Social Sciences in Animal Health (ISESSAH)** in Montpellier, France in May 2018. On behalf of the consortium Simon Rüegg gave an oral presentation on the conclusions that could be drawn from the case studies published in the Frontiers Research Topic entitled: “**Evaluation of One Health-ness: insights into interdisciplinary and cross-sectoral integration**”. The framework was well received and the case studies gave a good illustration of its potential. Throughout the conference, several initiatives could be identified where the framework is being or planned to be applied in total or in parts. The event thus contributed successfully to the dissemination of the work conducted by NEOH
 - Julie Garnier presented a poster “One Health, Gender and Biodiversity Conservation” at the **Planetary Health Meeting** in Edinburgh in May 2018. This meeting was another opportunity to recognize the need to adopt an integrated approach such as OH, EcoH or PH for addressing the health crisis that is affecting and threatening humanity. Of particular interest was the presence of cultural and spiritual leaders such as an elder from a First Nation tribe in Canada or the

Chancellor of the Pontifical Academy of Sciences. Together with a humanist tone given throughout the conference, these perspectives highlighted the sense of responsibility that all citizens (incl. scientists!) should feel and the urgent change that is needed in order to also address increasing social inequalities. Barbara Haesler gave a workshop on the NEOH tools at the same conference.

- WG1 leader Simon Rüegg was supported by NEOH to attend **the 5th international One Health Congress** in Saskatoon, Canada, June 2018. Next to some plenary session primarily oriented at vaccination, infectious diseases and antimicrobial resistance (AMR), one track was dedicated to the science policy interface and one to the problematic of AMR. Two tracks were conducted under the heading of “One Health Science” comprising sessions on drivers of emerging diseases, pathogen detection, diagnostics, response to epidemics, social science and politics, and vaccines. Simon presented the NEOH index and the results of the case studies in the session on social science and politics. His talk caused great resonance among various people working in different institutions who expressed an interest to learn more about the NEOH work and products. Barry McMahon, an active WG1 member and lead author of the handbook Chapter 5, took the opportunity when presenting on ecosystem change and disease emergence to advertise the NEOH final conference and the handbook in a different context. During the networking opportunities throughout the conference the handbook could be presented to the US Threat Reduction Agency, the American Association of Veterinary Colleges, and the Joint External Evaluation Alliance. Several existing One Health initiatives inquired on how to apply the framework in their specific context.
- **ESOF 2018**, 9-14 July 2018, Toulouse, France. Interactive Round Table coordinated by NEOH (coordinator is NEOH member Massimo Canali) in collaboration with various other COST Actions: “**One Health, for systems-based, integrative approaches to sustainable public health**”. Attendance was at capacity and afterwards, the COST officers who seemed pleased, suggested to the attending NEOH members to write something to make lobbying to introduce One Health in the topics related to the Mission-Oriented R&I in the EU (Mazzucato report). If you would like to provide input, please do contact Massimo Canali (massimo.canali2@unibo.it).
- NEOH member Sara Savic and colleagues organized a **One Health Day event in Serbia** on the 31.10.2018, attended by 50 participants.
- Liza Rosenbaum Nielsen and Simon Rüegg participated with several other NEOH consortium members at the **15th International Symposium for Epidemiology and Economics (ISVEE15)** in Chiang Mai, Thailand, 12-16 November 2018 to disseminate and discuss the new NEOH framework and tools as well as to promote the handbook to interested individuals and organisations. Liza, whose attendance at ISVEE was supported by a NEOH dissemination grant, gave a **presentation “Application of a new One Health evaluation framework to two research initiatives addressing antimicrobial resistance and obesity”** on behalf of her NEOH co-authors and the consortium. Simon presented a poster about the NEOH: “**Network for Evaluation of One Health (NEOH): A systems approach for better knowledge integration**“, also on behalf of his NEOH co-authors and the consortium.
- Simon Rüegg gave a talk about the NEOH work at the **Fourteenth meeting of the Conference of the Parties to the Convention on Biological Diversity** from the 10 - 22 November 2018 in Sharm El-Sheikh, Egypt.



Network for Evaluation of One Health



○ Publications:

- Within the Frontiers Research Topic on the NEOH case studies the following new papers were published over the past few months and can all be found in the special issue [Concepts and experiences in framing, integration and evaluation of One Health and EcoHealth](#). The latest additions include:
 1. Sandra C. Buttigieg, Sara Savic, Daniel Cauchi, Elaine Lautier, Massimo Canali, Maurizio Aragrande's paper: "**Brucellosis Control in Malta and Serbia: A One Health Evaluation**" was published in July 2018. <https://doi.org/10.3389/fvets.2018.00147>
 2. Alberto Muñoz-Prieto, Liza Rosenbaum Nielsen, Silvia Martinez-Subiela, Jovita Mazeikiene, Pia Lopez Lopez Jornet, Sara Savic, Asta Tvarijonavičiute's paper: "**Application of the NEOH framework for self-evaluation of One Health elements of a case-study on obesity in European dogs and dog-owners**" was published in July 2018. <https://doi.org/10.3389/fvets.2018.00163>
 3. Anaïs Leger, Katharina D.C. Stärk, Jonathan Rushton, Liza Rosenbaum Nielsen's paper: "**A One Health Evaluation of the University of Copenhagen Research Centre for Control of Antibiotic Resistance**" was published in August 2018 <https://doi.org/10.3389/fvets.2018.00194>
- Gilberto Igrejas and Patricia Poeta with several colleagues published the article **Planning a One Health Case Study to Evaluate Methicillin Resistant Staphylococcus aureus and Its Economic Burden in Portugal** (based on NEOH work) in Frontiers in Microbiology <https://www.frontiersin.org/articles/10.3389/fmicb.2018.02964/full>
- Muñoz-Prieto A, Nielsen LR, Dąbrowski R, Bjørnvad CR, Söder J, Lamy E, Monkeviciene I, Ljubić BB, Vasii I, Savic S, Busato F, Yilmaz Z, Bravo-Cantero AF, Öhlund M, Lucena S, Zelvyte R, Aladrović J, Lopez-Jornet P, Caldin M, Lavrador C, Karveliėne B, Mrljak V, Mazeikiene J, Tvarijonavičiute A. published their paper **European dog owner perceptions of obesity and factors associated with human and canine obesity** in Sci Rep. 2018, Sep 6;8(1):13353: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6127309/>
- Several NEOH members including the Chair Barbara Häslėr contributed to the chapter **European Nature and Health network initiatives** of the book 'Biodiversity and Health in the face of Climate Change' that will be published by Springer (<https://www.springer.com/us/book/9783030023171>) in 2019.
- NEOH members Afifah Rahman-Shepherd, Osman Dar and colleagues published a paper "**The growth and strategic functioning of One Health networks: a systematic analysis**" in the Lancet: [https://www.thelancet.com/pdfs/journals/lanplh/PIIS2542-5196\(18\)30084-6.pdf](https://www.thelancet.com/pdfs/journals/lanplh/PIIS2542-5196(18)30084-6.pdf) in June.
- E. Paul J. Gibbs published a paper "**Musings on the future direction of One Health, William Hunting and tuberculosis, while listening to blackbirds sin**" in the Vet Record in July 2018 in which the NEOH project gets a mention. doi: 10.1136/vr.k3037
- The **Swiss Society for Veterinary Surgeons** recommended the NEOH handbook in their November newsletter with a brief description of the book in German.
- Christina Paish, a Veterinary Medicine student from the RVC, who also attended the NEOH conference published a report about NEOH in the International Veterinary Students Association (IVSA) standing committee on One Health's journal.

○ **Manuscripts:**

The following articles by several NEOH members are currently in preparation/under review:

- Hitziger M, Berezowski J, Dürr S, Falzon L, Lechenne M, Lushasi K, Markosyan T, Mbilo C, Momanyi K, Nambiar P, Oezcelik R, Zinsstag J, Rüegg S (in preparation): **“Strengthening knowledge integration capacity in One Health Surveillance: the EVOLvINC approach.”**
- Hitziger M, Aragrande M, Berezowski J, Canali M, Del Rio Vilas V, Hoffmann S, Igrejas G, Keune H, Lux A, Mieghan B, Palenberg M, Pohl C, Radeski M, Richter I, Robledo C, Salerno R, Savic S, Schirmer J, Vogler B, Rüegg S (under review): **“EVOLvINC: EValuating knOwLedge INtegration Capacity in multi-stakeholder governance. Ecology and Society.”**
- **NEOH Handbook Chapters to be published as articles in the future:**
 - The economics dimension chapter (Massimo Canali)
 - The ecological dimension chapter (Marie McIntyre)
 - The social dimension chapter (Chinwe Ifeika Speranza)

● **NEWS FROM COST**

- We received congratulations from Dr Mafalda Quintas, the NEOH COST officer who thought that the Action was very well managed and that the impact of the outputs will certainly last.

● **NEOH WEBSITE**

- Provides all relevant information on NEOH activities, news, events, etc. and even though the Action is now officially finished, the **website will remain active for another two years** <http://neoh.onehealthglobal.net> Please do email **Kevin Queenan** if you would like to have anything added or changed (kqueenan3@rvc.ac.uk)

● **MISCELLANEOUS**

- NEOH was added to the **Convention on Biological Diversity (CBD)-World Health Organisation (WHO) Joint work programme**, which allows to expand the community of practice. A list of partners can be found under: <https://www.cbd.int/health/partners/default.shtml>
The link to the NEOH handbook will also be included in their Partner updates together with a short paragraph about the NEOH conference in Bologna, circulated before their Conference of the Parties at the end of November 2018.

Thank you for reading!