

**Community for Emerging and Zoonotic Diseases (CEZD)**  
**Communauté des maladies émergentes et zoonotiques**  
**(CMEZ)**

***Webinar***

***NETWORK FOR EVALUATION OF ONE HEALTH:***

***A Systems Approach for better Integration of Interdisciplinary Knowledge – and- what this could mean for One Health Surveillance***

***Dr Simon Ruegg***

***University of Zürich, Section of Epidemiology***

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**Webex Teleconference/par Webex et téléconférence:**

**Webex Link / Lien Webex:**

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**Meeting Number /Numéro de la réunion:**

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1-877-413-4788 or/ou

1-613-960-7513

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**Date:** Thursday, June 21 2018 /jeudi 21 juin 2018

**Time/Heure:** 12:00 pm – 1:30 pm EDT /12:00 h à 13:30 h (HAE)

## **Dr Simon Ruegg**

Dr Ruegg works towards a more respectful approach to animals, people and the environment. After graduation as veterinarian, he worked on wildlife diseases in Mongolia and then created a private practice for exotic pets in Switzerland. Since returning to research, Dr Ruegg studies how to make things work in complex systems. His next steps are to create tools for health practitioners to help conceptualise and navigate in complex systems. He has developed a framework for Evaluation of One Health with an international, interdisciplinary team and works on a definition of health that is applicable to different species and at different scales, which is useful to guide everyday decisions.

In his current role with the University of Zurich, Dr. Ruegg is responsible for research on application of system and chaos theory in medicine, namely evaluation of One Health (transdisciplinary learning organisations); early warning signals for critical transitions in clinical and population time series; thermodynamics of animal husbandry; agent-based modelling of microbiomes; shared decision making and participatory health governance. In addition he conducts bio-statistical consulting for faculty members, is engaged in teaching, and supervising postdoctoral, doctoral and Master's students.

**Title:** Network Evaluation of One Health (NEOH): A Systems Approach for better Integration of Interdisciplinary Knowledge - and - what this could mean for One Health Surveillance

### **Description:**

One Health (OH) is promoted as an approach for health challenges arising from the intertwined spheres of humans, animals and the ecosystems constituting their environment. The EU COST funded "Network for Evaluation of One Health (NEOH)" identified characteristic features of OH initiatives and developed an evaluation framework with tools to assess these characteristics systematically.

Dr Ruegg will discuss:

- The characteristics of One Health that were identified by NEOH (Rüegg et al., 2017)
- The evaluation framework that was developed based on this blueprint (Rüegg et al., 2018)
- Experiences made with the application of the NEOH framework in some case studies (Buttigieg et al., 2017; Fonseca et al., 2018; Hanin et al., 2018; Laing et al., 2018; Léger et al., 2017; Paternoster et al., 2017)
- Lessons learnt from these evaluations
- Some reflections on the consequences of a holistic approach for the role of surveillance
- This is followed by an interactive discussion guided by requests from the audience

**Continuing education credit** of 1 ½ hour is available to veterinarians for participation in this webinar

## References

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- Léger, A., Stärk, K., Rushton, J., Nielsen, L.R., 2017. A One Health evaluation of the University of Copenhagen Research Centre for Control of Antibiotic Resistance. *Front. Vet. Sci.* in review.
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