



## **A systems approach to understand the One Health risk analysis system for zoonoses in Norway**

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### INTRODUCTION

The One Health (OH) EJP project COHESIVE is developing guidelines for professionals who are seeking to strengthen national OH Risk Analysis Systems (OHRAS) for efficient signalling, risk-assessment and control of (emerging) zoonoses. An understanding of the existing system facilitates such initiatives. We pilot-tested a system-mapping tool.

### METHODOLOGY

We adapted a systems approach for evaluation of OH initiatives. To gain an overview of the socio-ecological system in which zoonoses evolve, a team of change agents involved in health governance created an initial map of actors and stakeholders for foodborne zoonoses. In a workshop with OH actors, the system map was refined with the addition of layers and details, including: a) context (actors, stakeholders, interactions, and system boundaries), b) operations (thinking, planning and working) and infrastructure (sharing, learning and organisation) of the current OHRAS.

### RESULTS

Preliminary results confirm earlier observations: system mapping and reflections on One Health operations and infrastructure are useful to develop and govern an OHRAS.

The method raises awareness for features arising from the complexity of the problem setting which are not covered in conventional positivist approaches. It therefore helps to establish a learning organisation that can evolve together with the challenges facing the human-animal-ecosystem interface in Norway.

## DISCUSSION

This approach to understanding an OHRAS is an iterative and integrative process. The work has facilitated a conversation on signalling, risk assessment and control of zoonoses in Norway, which itself strengthens the OHRAS. Depending on the country, a narrower scope than 'foodborne zoonoses' may be more feasible.