ORION - one health surveillance initiative on harmonization of data collection and interpretation

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One Health Surveillance includes the systematic collection, validation, analysis, interpretation of data to support decision making. However, a harmonized approach for One Health Surveillance (OHS) data annotation is currently missing.

**ORION Project Aims**

1. Establishing and strengthening inter-institutional collaboration and transdisciplinary knowledge transfer in the area of surveillance data integration and interpretation.

2. Implement a prototype of an integrated strategy for long-term consolidation and harmonization of One Health Surveillance (OHS) solutions.

   „OHS harmonization framework“

**Work Plan (Project duration: 2018-2020)**

**WP1 - OH Surveillance Codex**
- High level guidance for harmonised, cross-sectional description and categorisation of surveillance data covering all surveillance phases and all knowledge types.

**WP2 - OHS Knowledge Hub**
- Cross-domain inventory of available data sources, methods / algorithms / tools and initiatives that support OH surveillance data generation, data analysis, modelling and decision-making.
- Cross-domain pilot studies to explore and validate selected initiatives.

**WP3 - OHS Infrastructure Resources**
- Technical and infrastructural resources for harmonization and integration of surveillance data and methods.
- Harmonized data standards, software libraries, ontologies, terminology mappings, software tools supporting the adoption of the "OH Surveillance Codex".

**WP4 - Training & Sustainability**
- Shared technical resources
- Development of a "Sustainability Roadmap" for broad adoption of project results in future European surveillance practice

**One Health pilots**

**Project Partners**

BE Veterinary and Agrochemical Research Centre (CODA-CERVA)
BE Scientific Institute of Public Health (WIV-ISP)
DE German Federal Institute for Risk Assessment (BfR)
DE German Federal Research Institute for Animal Health (FLI)
DK Technical University of Denmark (DTU - FOOD)
DK Statens Serum Institut (SSI)
NL Wageningen Bioveterinary Research (WBVR)

NL National Institute for Public Health and the Environment (RIVM)
NO Norwegian Institute for Public Health (NIPH)
NO Norwegian Veterinary Institute (NVI)
SE Public Health Agency of Sweden (FoHM)
SE Swedish National Veterinary Institute (SVA)
UK Animal and Plant Health Agency (APHA)
UK Public Health England (PHE)

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