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
- **Improvements and new resources**
  - 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
- **Improvements and new resources**
  - 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
- **Improvements and new 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
- **Improvements and new resources**
  - Shared technical resources
  - Development of a “Sustainability Roadmap” for broad adoption of project results in future European surveillance practice

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**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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