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)**

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<th>Inventories and requirement analysis</th>
<th>Improvements and new resources</th>
<th>Evaluation</th>
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<tr>
<td>WP1 - OHS Surveillance Codex</td>
<td>• High level guidance for harmonised, cross-sectional description and categorisation of surveillance data covering all surveillance phases and all knowledge types.</td>
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<td>WP2 - OHS Knowledge Hub</td>
<td>• Cross-domain inventory of available data sources, methods / algorithms / tools and initiatives that support OH surveillance data generation, data analysis, modelling and decision-making.</td>
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<td>WP3 - OHS Infrastructure Resources</td>
<td>• Technical and infrastructural resources for harmonization and integration of surveillance data and methods.</td>
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<td>WP4 - Training &amp; Sustainability</td>
<td>• Harmonized data standards, software libraries, ontologies, terminology mappings, software tools supporting the adoption of the &quot;OHS Surveillance Codex&quot;.</td>
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<td>• Shared technical resources</td>
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<td>• Development of a &quot;Sustainability Roadmap&quot; for broad adoption of project results in future European surveillance practice</td>
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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)
- NO National Institute for Public Health and the Environment (RIVM)
- NO Norwegian Institute of 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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