

SOA10

Rapid Risk Assessment: Improvement of epidemic intelligence methodologies (OO2 Action 1)

Priority area	Operational objective
Risk assessments of terrestrial and aquatic animals compounded by human-animal-wildlife-environmental interface	To move towards epidemic intelligence approaches, which consider the overall system rather than compartmentalized surveillance data, methods and results. This requires new data collection approaches and science-based epidemic intelligence approaches
Key words	Partner participation
Data link model, epidemic intelligence alliance, risk assessment, forecasting (transboundary) spread models	UCPH, EFSA, SURREY, SSI, NVI, DEFRA, SVA, CSIC, WR, IMR, CIRAD, INRAE, PIWet, UGent, IZS-Teramo, UNITO, IZSLT, Sciensano
Project summary	
Epidemic intelligence encompasses all activities related to rapid risk assessments of unexpected health events including the risk of introduction of diseases via qualitative, semi-quantitative, and/or quantitative risk assessment approaches, early identification of potential health hazards, their verification, assessment of acute/serious/endemic disease by developing computational models to support national risk assessors and/or risk manager.	
Project objectives	Outcomes and impacts
<ul style="list-style-type: none">Set up an epidemic intelligence alliance (EI) in Europe (capacity building in Task 1) for both terrestrial and aquatic animals compounded by human-animal-wildlife-environmental interface.Identify new challenges in risk assessment and outbreak response of emerging and re-emerging diseases as well as endemic diseases including climate-environmental driven diseases (Task 1)Develop an epidemic intelligence data link model, through the identification, standardization and centralisation of datasources and datasets for qualitative, semi-quantitative and quantitative rapid risk assessment (Task 2)Expand, develop and/or adapt rigorous and objective scientific rapid risk assessment methods on the incursion risk at different geographical and population levels, of animal diseases and zoonoses with the aim to guide early warning and risk-based surveillance (Task 3)	Conrady et al., (2024): European Partnership on Animal Health and Welfare: Initiatives for Rapid Risk Assessment. Poster Pitch presentation at SVEPM Conference, Uppsala, Sweden, 20-22 March 2024

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- Develop forecasting models on subsequent disease spread (epidemiological consequences) to support quantitative risk assessments approaches at national and EU level (Task 4 and 5)
- Develop guidelines for rapid risk assessment preparation and Communication and dissemination of results (Task 6)