



UNION AND NATIONAL CAPACITY BUILDING 4 INTEGRATED SURVEILLANCE

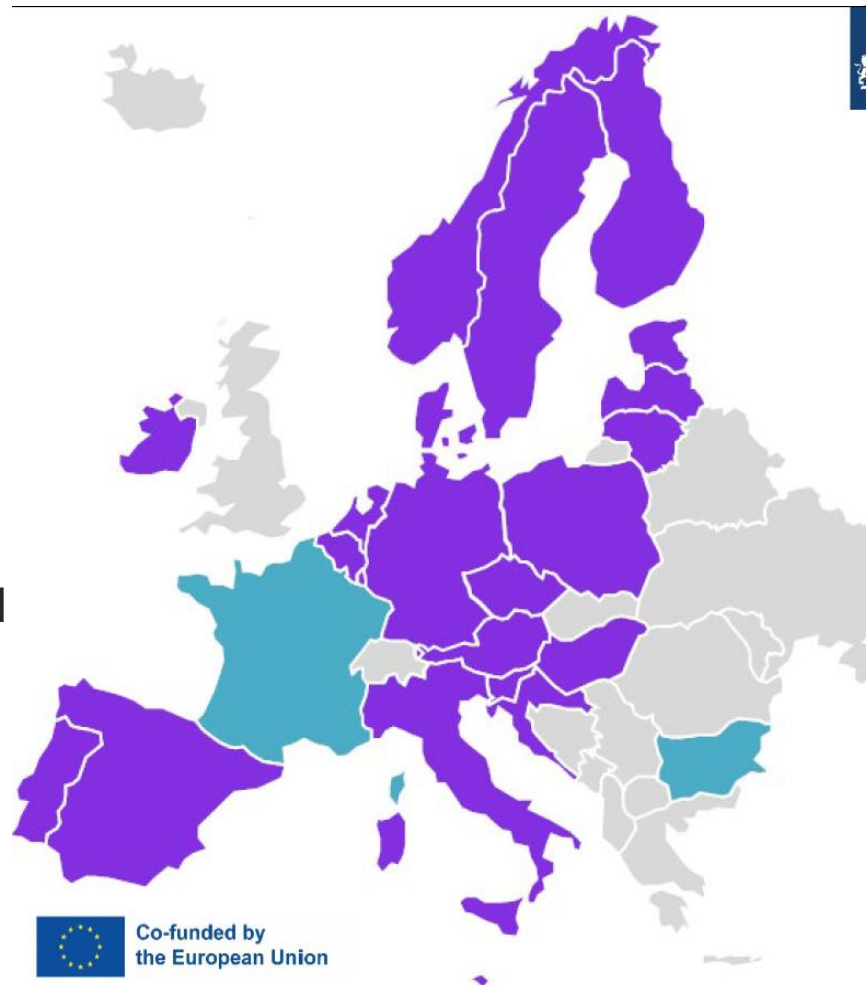
Workshop – 26/09/2024



- EU4HealthProgram
- 01/01/2023 – 31/12/2025
- Joint Action between multiple EU MS
- Expertise in public health, microbiology, epidemiology and data-science, over the 3 domains of One Health:
 - public health
 - animal health
 - environmental health



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UNITED4Surveillance

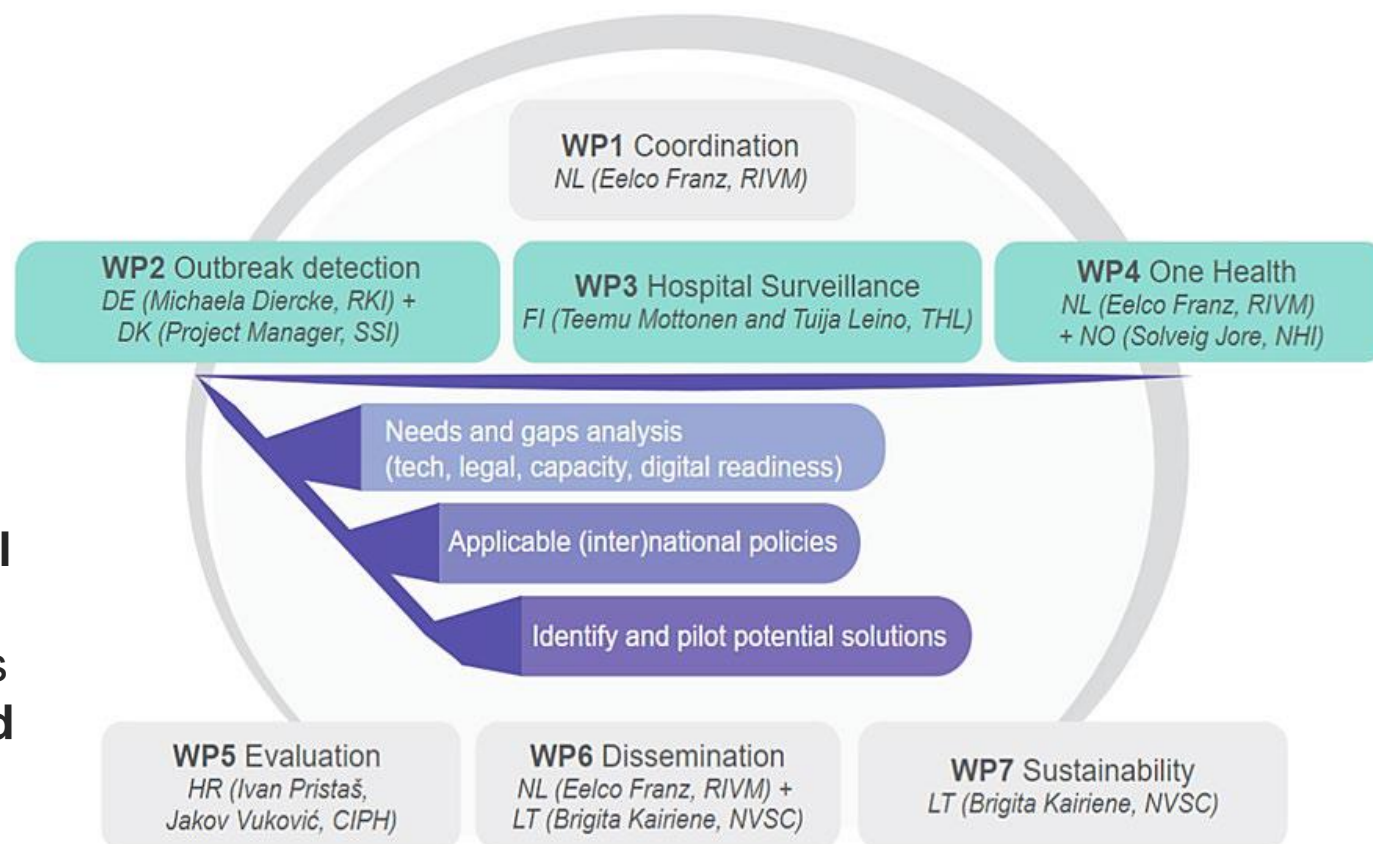
1- MS: 22 beneficiary; 3 associated partners

2- Institutes: 22 beneficiary, 11 affiliated entities, 8 associated partners

3- Coordinator: RIVM

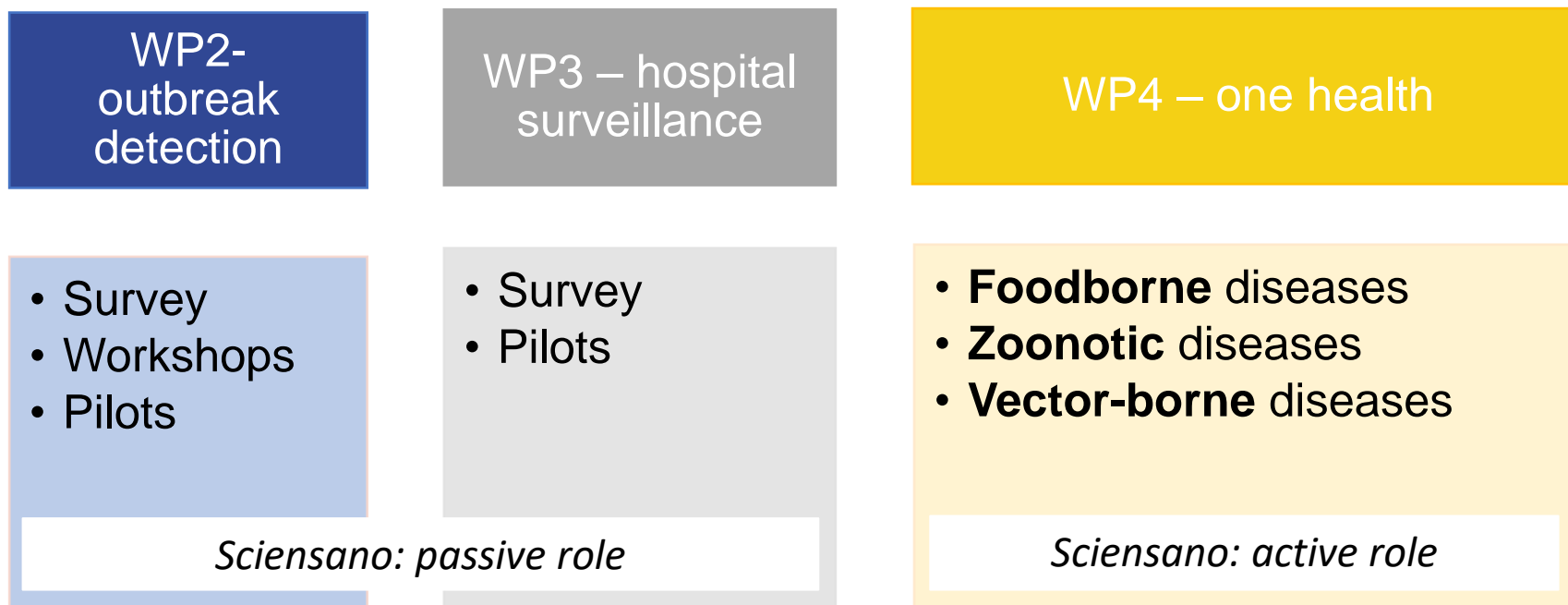
OBJECTIVES

- UNITED4Surveillance will propose a roadmap to implement **integrated surveillance** at Member State and Union level
- Objectives:
 - To support **outbreak detection** by improving real time surveillance
 - To define the best practices for a **sentinel hospital system** for integrated surveillance of severe infectious diseases
 - To explore the **integration of human and animal health** surveillance data



Bottom-up approach for the three main WP

- Goal description and **stakeholder analysis**
- **Systems mapping**
- **Piloting** promising approaches

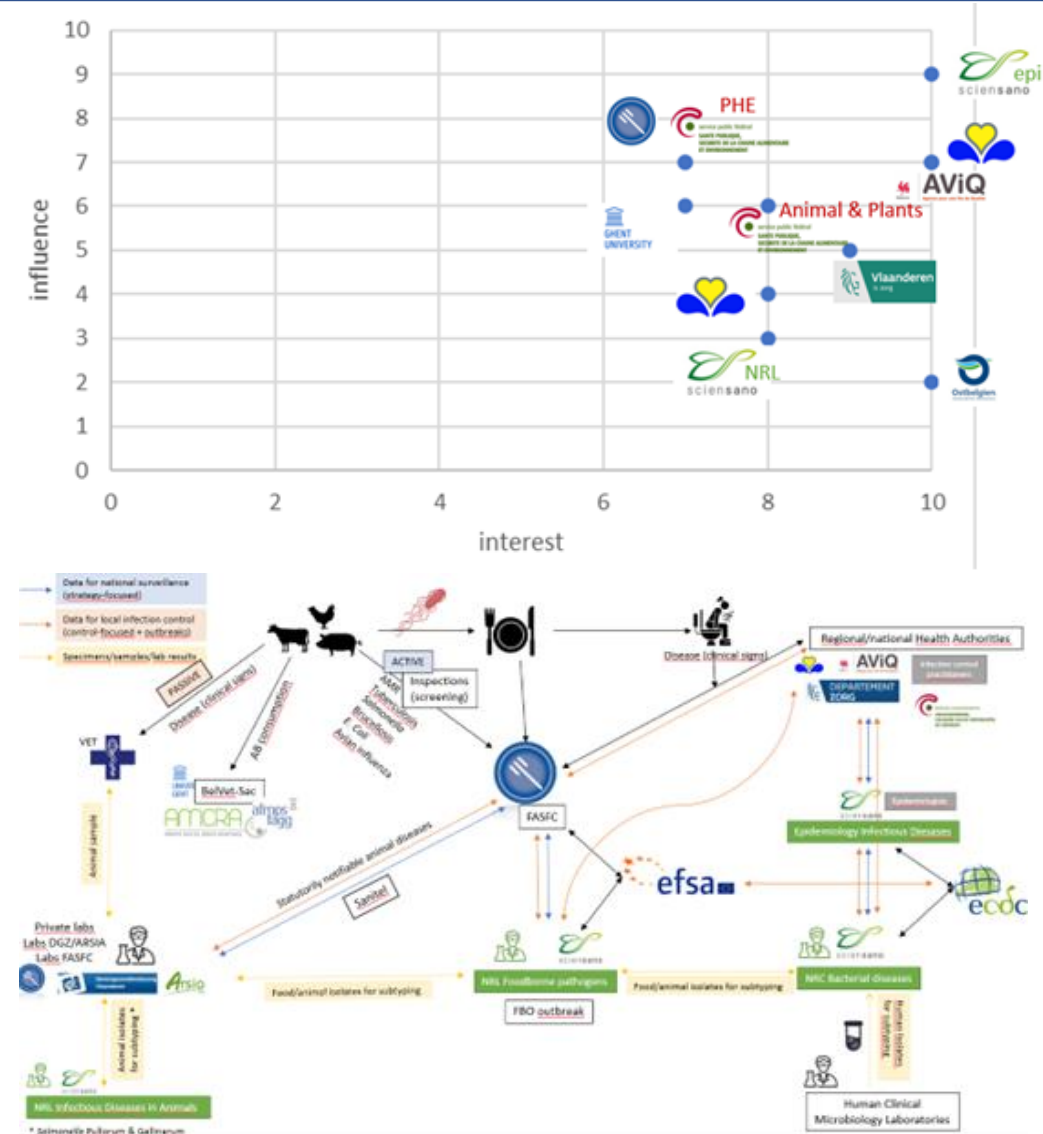


Institute	Country	T4.1 Foodborne	T4.2 Zoonotic influenza	T4.3 Vectorborne
ISS	Italy	Salmonella/STEC/(HEV)		WNV/arboviruses (TBEV)
SSI	Denmark	?	Avian/swine	
RIVM/WBVR	Netherlands	Salmonella/STEC/Campylobacter	Swine	
FHI	Norway		Swine	
Sciensano	Belgium	Salmonella(/STEC)	Avian/swine	
NVSC	Lithuania	Salmonella		TBEV
CSFJA/FPS	Spain			WNV

Salmonella

- Goal description and stakeholder analysis
- Systems mapping of current and desired situation
- Piloting of promising approaches

→ Workshop 29/09/23



Deliverable 4.1 submitted to EC in December 2023

Salmonella

- Goal description and stakeholder analysis
- Systems mapping of current and desired situation
- Piloting of promising approaches

→ Workshop 29/09/23

- SWOT analysis – Salmonella surveillance
- Identification of action points to improve surveillance

Action points		Who	
AP1	Opinion paper samples poultry	NRL -Koenraad Van Hoorde (check data available)	→ Not relevant anymore
AP2	Classical serotyping vs WGS for non human isolates	FAVV scientific committee NRC – Wesley Mattheus FAVV	
AP3	Cross-sectoral database development	NRC – NRL – FAVV – BE HERA WGS	→ Workshop 26/09/24
AP4	Proof of concept cross sectoral database for outbreak investigation	BE HERA – Heleen Masset	
AP4	a- Seminar FR, NL experience (plutôt NL - valeur ajoutée séquençage cross	Epi Inf Diseases – Dieter Van Cauteren, Valeska	
AP4	b- Seminar DK experience (BE-HERA - promotion du séquençage pour outb	Laisnez, Géraldine De Muylder	
AP5	Better communication - GDRP	NRL – platform VTI/TIA – Bavo Verhaegen	
AP6	Early warning system to detect clusters	Epi Inf Diseases U4S WP2 NRC?	→ On going – continuous signal detection – developed at Sciensano (EID) upon request Flanders
AP7	Questionnaires	Epi Inf Diseases Regions	→ On going – EID FWD team
AP8	Presentation regional systems (TracelnWal, System Flanders, Bxl)	Regions VTI/TIA platform	→ VTI platform 26/09/24
AP9	Environmental sampling Salmonella	FAVV (check feasibility)	
AP10	Clarification role of FOD	VTI/TIA platform – Bavo Verhaegen	→ Not relevant anymore
AP11	Climate change Salmonella	DZ – Naima Hammami	
AP12	CIDT	epi inf diseases	→ On going – EID FWD/NRC

Agenda – Workshop 26/09/24

- Salmonella surveillance system, integration WGS – experience from NL - *Roan Pijnacker – RIVM*
- Salmonella surveillance in Belgium, integration WGS:
 - Sequencing of human samples - *Wesley Mattheus – NRC Salmonella, Sciensano*
 - Sequencing of food samples (FAVV) - *Bavo Verhaegen – NRL, Sciensano*
- Be-prepared project, architecture for WGS data in BE – *Heleen Masset - Sciensano*

Coffee break

- Discussion – *moderator Dieter Van Cauteren – Sciensano*
 - Brainstorm – further strengthening Salmonella surveillance in BE using WGS across sectors
 - Identify concrete action points for 2024/2025

Thank you for your attention!



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