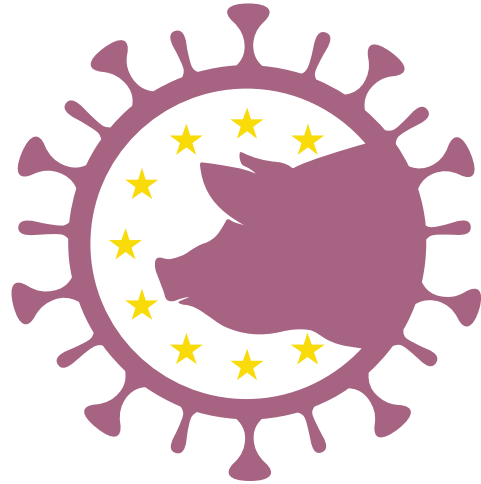


STSMs 2024- an overview

Paula Rebollo Igual, PhD student
Copenhagen, March 2025



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European Swine
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“Short-term scientific missions (STSM) are exchange visits between researchers involved in a COST Action, allowing scientists to visit an institution or laboratory in another COST Member state.”



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NEWS

Experiences from STSMs

dr. Marina Meester, assistant professor at the faculty of Veterinary Medicine, Utrecht University For the future control and surveillance of swine influenza virus, we need to understand how the virus is spreading across Europe. For spread across continents, trade of live pigs has been suggested as main transmission route. Is

STSM



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**Second Grant Period –
Call for Short Term
Scientific Missions
(STSMs) on swine flu
sequencing data
analyses,
phylodynamic/phyloduramic**

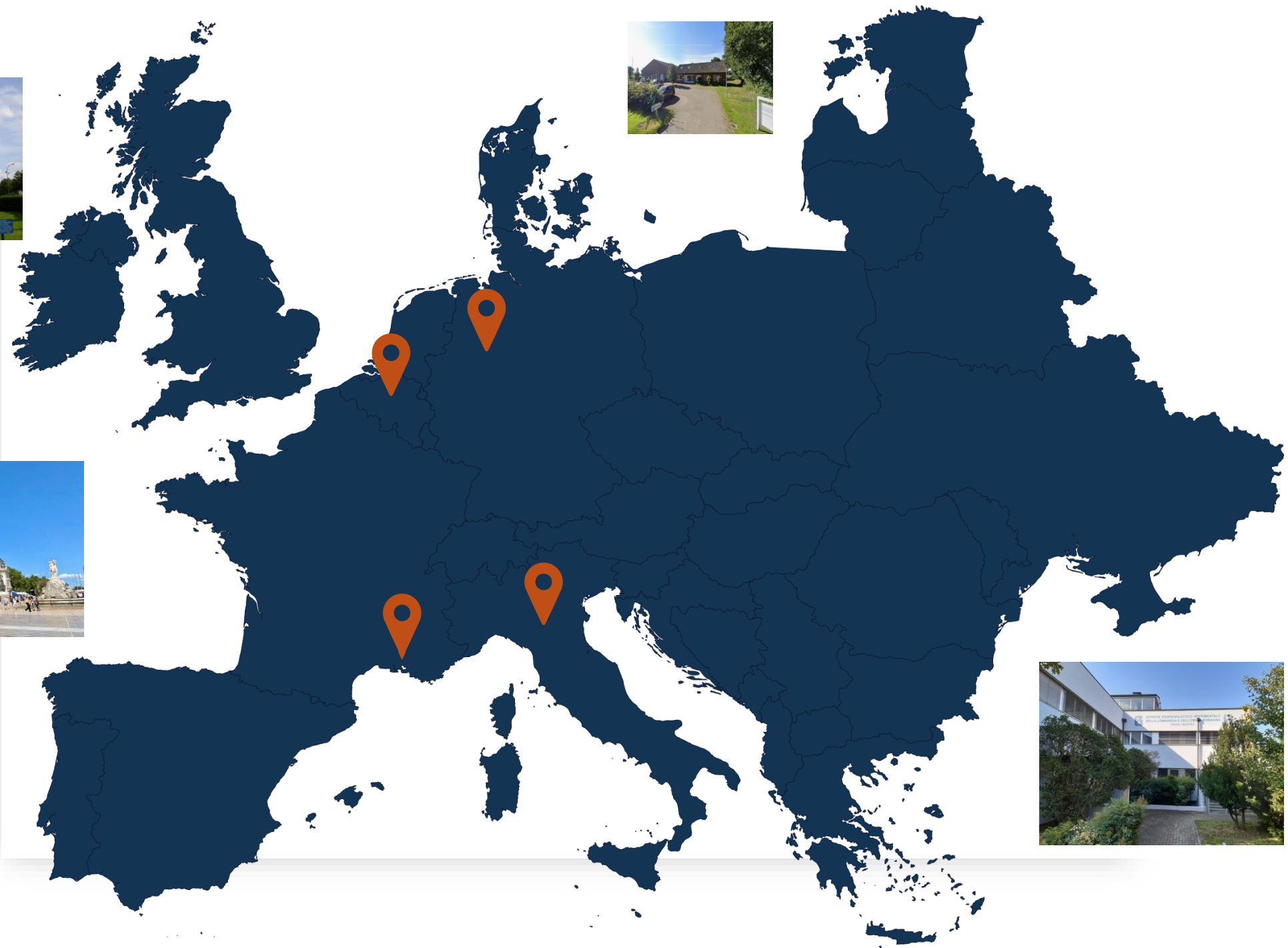
STSM



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**Second Grant Period –
Call for Short Term
Scientific Missions
(STSMs) on swine flu
diagnostics**

The ESFLU network (



WG 1. Marianne Viuf Agerlin , PhD student

- Goal: work in the laboratory technicians and veterinarians, gain experience in influenza diagnostics. Deepen in **diagnostic methods** and deepen expertise in **laboratory practices**.
- Where: Diagnostic laboratory at IZSLER (Istituto Zooprofilattico Sperimentale Della Lombardia e dell'Emilia Romagna) in Parma, Italy.
- Outcome: broadened her **skills in diagnostic science** while providing a unique cultural immersion. She gained insights and professional connections during her time at IZSLER.



WG 2. Dr. Marina Meester

- Goal: find out if trade of live pigs is the main transmission route.
- Where: epidemiology lab (SpELL) of Université Libre de Bruxelles.
- What: Under supervision of dr. Simon Dellicour they used a **phylogeographic analysis** with a **joint generalized linear model** to study whether **trade of live pigs, trade of pork or demographic factors related to swine production** per country, are predictors for swine influenza virus spread across ten countries.
- Outcome: she enjoyed her stay in Brussels and expect more collaboration between the SpELL and the farm animal health unit of Utrecht University in the future.



WG 3. Evelien Germeraad, PhD student

- Goal: Foster knowledge exchange on **surveillance and management measures** to improve swlAV control.
- Where: Montpellier (ANSES)
- What: **discuss some final data collection** issues and were able to finalize the data collection. In addition, we made plans for the **meta-analysis** and worked on the article layout under Andrea's supervision and online via the other members (they started in 2023 with Omaima).
- Outcome: still working on the analysis. They will publish the review soon.



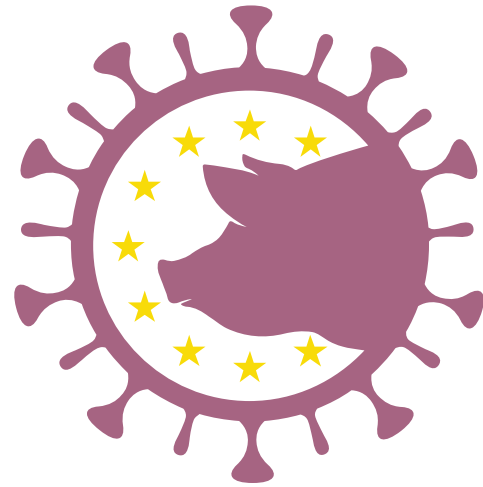
WG 3. Paula Rebollo, PhD student

- Goal: to conduct a **literature review** on biosecurity measures related to Swine Influenza and other respiratory diseases in pigs.
- Where: Bakum, Germany. Stiftung Tierärztliche Hochschule Hannover (TiHo).
- What: **first screening** of papers to include, labelling of the main topics. Supervised by Isabelle Hennig-Pauka and Miroslav Kjosevski.
- Outcome: **445 papers reviewed**. She could attend several necropsy sessions led by professionals at the institute, enriching her experience and understanding of the subject.



Conclusions

- ✓ Different host institutions
- ✓ Different goals and young researcher's profiles
- ✓ Satisfactory outcomes from all of the STSMs
- ✓ Good opportunity for both institutions and participants



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Thank you for your attention