

a young consortium, eager to learn
and grow



Hélène Cecilia
on behalf of the coordinators

ModStatSAP
Paris, october 2025

Main objectives

- Encourage **more collaboration** and friendly competition rather than rivalry
- Share **good modelling practices**
- Work on **solutions** for a simpler and better **access to data** useful in animal health
- Develop **new methods** and solve current modelling challenges in animal health
- Facilitate model comparison and **ensemble modelling**
- Enhance interactions with **end-users and stakeholders**

Steering committee - since November 2024



Pauline
Ezanno



Hélène
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Gaël
Beaunée



Timothée
Vergne

France

Coordinators (INRAE)



Quirine
ten Bosch

The Netherlands



Egil
Fischer



Jana
Schulz

Germany



Katharine Rose
Dean

Norway



Rowland
Kao

United Kingdom

Steering committee - new members, new continents



Simon
Firestone

Australia



Gustavo
Machado

United States

Working groups - Transversal topics

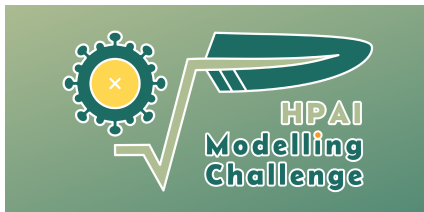
- **Modelling practices** : workshop submitted for SVEPM 2026
- **Within-host dynamics** : systematic review in progress
- **Modelling-policy nexus** : upcoming roundtable

Working groups - Transversal topics

- **Modelling practices** : workshop submitted for SVEPM 2026
- **Within-host dynamics** : systematic review in progress
- **Modelling-policy nexus** : upcoming roundtable
- Data
- Parameter inference
- Ensemble modelling and intervention ranking
- Forecasting
- Phylodynamics
- Inter-species interface
- Multiscale modelling
- Connecting epidemiological models and other model types

Working groups - Pathosystems of interest

- Vector-borne diseases
within-host, multiscale, intervention-ranking
- Avian flu
upcoming challenge (wiliman-id.eu) : *team up!*
modelling-policy nexus, intervention ranking



- ModAH Hub on LinkedIn + modah-hub.com - registration to **mailing list** possible
- **ModAH collection** (modah-collection.com) : *share, search, retrieve and reuse*
- **ModAH conference** : Nantes, 25-27 August 2026, with satellite event dedicated to ModAH Hub

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Challenges at the Modelling-Policy Interface

Rowland R. Kao (on behalf of Timothée Vergne and the rest of
the ModAH-Hub steering committee)



What are the challenges at the modelling-policy interface?

- Models are commonly used to support decision-making around the control of infectious diseases of humans and livestock
- Much of the work is done by academics in universities and research institutions

However, though there are many examples of attempts to create standards and there are broadly accepted codes of practice,

modelling-based policy advice
is not currently governed by any professional body or bodies

We ask: When looking across different countries with their different systems and approaches to evidence, and different modelling communities, what are the common challenges we face and what makes each countries approach distinctly different?

Plan of action - I

- 1) **Roundtable discussion** across multiple policy/modelling "pairings" planned for 12th November

Countries with broadly similar ranges of pathogens and outlooks



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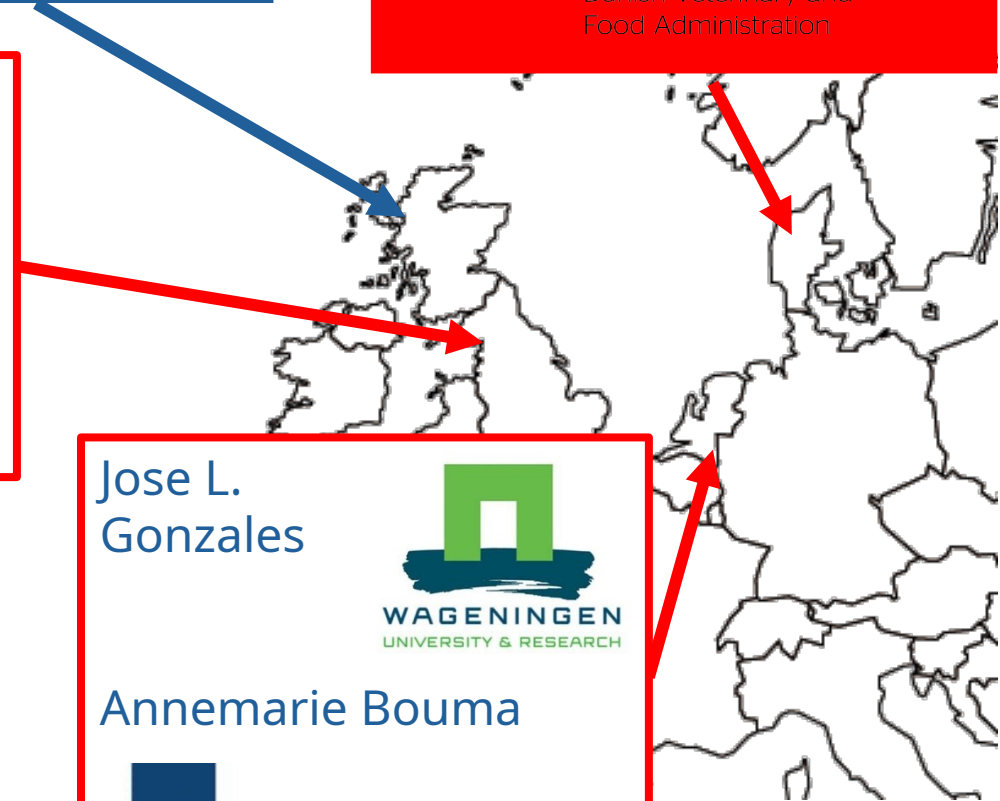


WAGENINGEN
UNIVERSITY & RESEARCH

Annemarie Bouma



Ministry of Agriculture, Nature and Food Quality of the Netherlands



Plan of action - II

- 2) Follow-up online webinars for each example pairing to discuss in greater detail (**open invitation**)
- 3) Development of possible paper/peer reviewed publication on the basis of discussion
- 4) Expansion to consider other countries, situations and challenges (i.e. more than just NW Europe)
- 5) New activities will depend on the outcomes of the first 4 activities (**open to any volunteers, please join!**)"

Topics for roundtable discussion

- Data management
 - accepted practice and challenges with working with personal data
- Communication and trust
 - consider both across the modelling/policy divide and with general public
- Decision-making on the basis of models
 - including incorporating advice into the dimensionality of the decision process
- Approaches to funding and sustainability
 - How to balance the needs to maintain capacity?
 - Funding and career challenges for university-based staff
- How are these challenges different when comparing animal health modelling with the human health sphere?



INRAE



FLI



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