

MOOD FINAL MEETING

REC

Scientific Conference

Emerging infectious diseases in Europe: Challenges and opportunities in data sharing and modelling of response for improved One Health

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| 8.30 am | Registrations |
| 9 am | Welcoming remarks by Prof. R. Bellantone (ISS), Dr. E. Arsevaska (CIRAD, MOOD project coordinator), Dr. Annapaola Rizzoli (FEM) |
| 9.15 am | Opening by Dr. Maria Van Kerkhove (WHO): Preparedness for current and future health threats |
| 9.45 am | Session A: Respiratory transmitted pathogens (Influenza viruses, coronaviruses) Chair: Vittoria Colizza (INSERM) <ul style="list-style-type: none"> • Keynote by Prof. Birgitte de Blasio (NIPH): The effectiveness of geographically targeted COVID-19 vaccination: Insights from agent-based and compartmental models for Norway • Keynote by Dr. Patrizio Pezzotti (ISS): The role of surveillance and modelling in impact and risk assessment during emergencies: proofs of concept in the context of the covid-19 pandemic in Italy • Keynote by Philippe Lemey (KU Leuven): Respiratory virus phylodynamics within MOOD |
| 11 am | Coffee Break |
| 11.30 am | Session B: Climate-sensitive infectious diseases in Europe Chair: Annapaola Rizzoli (FEM) <ul style="list-style-type: none"> • Keynote by Prof. Joacim Rocklöv (Heidelberg University): Climate Change and Vector-Borne Diseases in Europe: Model and Data Challenges • Keynote by Dr. Flavia Riccardo (ISS): Changing epidemiology of arboviruses in a changing climate: examples from human surveillance in Italy • Keynote by Prof. Alessandra Della Torre (Sapienza – Università di Roma): Epidemiologically relevant biological parameters in invasive <i>Aedes albopictus</i> populations in Europe: do we know enough? • Keynote by Giovanni Savini (IZS - Teramo): West Nile virus in Europe: Africa on the move |
| 1 pm | Lunch Break |

Tuesday, November 26th 2024

Istituto Superiore di Sanità, Rome, Italy and online

MOOD FINAL MEETING

Scientific Conference

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2.15 pm

Session C: Antimicrobial Resistance

Chair: Dr. Luca Busani (ISS)

- Keynote by Dr. Tjibbe Donker (Uniklinik Freiburg): Strengthening AMR control through hospital network analysis
- Keynote by Thomas van Boeckel (ETH Zurich): Antimicrobial Resistance in Animals Raised for Food, modelling approaches in Europe

3.15 pm

Coffee Break

3.45 pm

Session D: Disease X and pandemic preparedness

Chair: Wim van Bortel and Esther van Kleef (ITM)

- Keynote by Wanda Markotter (UP): A One Health approach to prevent pandemics at the source
- Keynote by Niel Hens (Hasselt University): Modelling tools for pandemic intelligence: the next generation approach
- Keynote by Brett Archer (WHO): Advancing collaborative surveillance for health emergency prevention, preparedness, response and resilience (On line speech)
- Keynote by Thierry Lefrançois (CIRAD): Science-decision interface for a better anticipation and preparation to major health risks

5.15 pm

MOOD Platform session by Guy Hendrickx (Avia-GIS)

5.30 pm

Closing

7 pm

Official dinner



📅 Wednesday, November 27th 2024 📍 Istituto Superiore di Sanità, Rome, Italy and online

MOOD FINAL MEETING

Closing Event

REC

LIVE

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| 8.30 am | Registrations |
| 9 am | Welcoming remarks by Dr. Elena Arsevka (CIRAD) |
| 9.05 am | <p>Session A: From disease profiles to modeling and risk mapping Chair: Dr. Tomislav Hengl (OGH)</p> <ul style="list-style-type: none"> • Keynote by Claudia Cataldo (ISS): Integration of sex-gender analysis in One Health approach at human-animal-ecosystem interface • Keynote by Pachka Hammami (CIRAD): ArbocartoR: a simulation tool for decision support in the implementation of surveillance and control of mosquito-borne diseases • Keynote by Eimear Cleary, Shengjie Lai (SOTON): Optimizing the detection of emerging infections using mobility-based spatial sampling • Keynote by Maria Fernanda Vincenti (ULB): Insights into the Emergence and Spread of Highly Pathogenic Avian Influenza: Global risk mapping of HPAI cases and conversion events • Perspectives by Didier Fontenille (IRD): Anticipating and managing vector-borne diseases: a French (and European) vision |
| 10.30 am | Coffee Break |
| 11 am | <p>Session B: Lessons learned on disease-X Chair: Anna Teresa Palamara (ISS)</p> <ul style="list-style-type: none"> • Keynote by Andrea Bizzotto (FBK): Increasing situational awareness through nowcasting of the reproduction number • Keynote by Soushieta Jagadesh (ISID): Global Risk Mapping of Bat- and Rodent-borne Diseases: Insights for Preventing Disease X • Keynote by Esther Van Kleef (WHO): Modelling practices, data and dissemination needs for pandemic decision-making: a scoping review and survey-based modellers' perspective from the MOOD consortia • Keynote by Markus Neteler (Mundialis): The role of environmental covariates for disease outbreak monitoring • Perspectives by Marisa Peyre (CIRAD) |
| 12.30 pm | Lunch Break |

📅 Wednesday, November 27th 2024 📍 Istituto Superiore di Sanità, Rome, Italy and online

MOOD FINAL MEETING

Closing Event

REC

LIVE

1.30 pm

Session C: Data preparedness and innovative tools for improved EI in Europe

Chair: Maguelonne Teisseire (INRAE)

- Keynote by Giovanni Marini (FEM): Estimating the incidence and seroprevalence of West Nile virus in the avian population in Northern Italy
- Keynote by Servane Bareille (ANSES): UTOPIA: a user-friendly tool to identify trade movements at risk when a disease emerges in a trading partner country
- Keynote by Carlène Trevenec (INRAE): A new multisource surveillance tool for highly pathogenic avian influenza in mammals
- Keynote by Mirco Cazzaro (IZS): Integrating Advanced Distance Metrics with Route Navigation Systems for Biosecurity in Livestock Transportation
- Perspectives by Paolo Tizzani (WOAH): Harnessing Data and Tools for Effective Epidemic Intelligence: A WOAHPerspective on Enhancing Global Health Preparedness

3 pm

Coffee Break

3.30 pm

Session D: Reaching out to users and impacts for Improved EI in Europe

Chair: Guy Hendrickx (Avia-GIS)

- Keynote by Fanny Bouyer (GERDAL): Improving epidemic Intelligence in Europe: the challenging innovation process of the MOOD project
- Keynote by Saeed Ahmad (TU): Preparing for the future: EPIET's role in training the next generation of epidemiologists for emerging infectious disease response in Europe
- Keynote by Francesca Dagostin (FEM): A machine learning modelling framework for the assessment of tick-borne encephalitis risk in Europe
- Keynote by Agnese Zardini (FBK): Estimating the potential risk of transmission of arboviruses in the Americas and Europe: A modeling study
- Perspectives by Beate Conrady (UCPH): Enhancing Epidemic Intelligence in Europe through Advanced Computational Models for Sustainable One Health Actions

5 pm

Closing words: Jean-Baptiste Perrin, European Commission (HERA) *online speech*, Dr. Elena Arsevska, CIRAD (MOOD project coordinator), Nathalie Vachier, CIRAD (ASTRE research unit director - AnimalS health Territories Risks Ecosystems)

5.30 pm

Departures



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