



JRC Centre for Advanced Studies (CAS)

Kick-off Meeting 14.10.2021 (14:00-17:30) Online

<https://ecconf.webex.com/ecconf/j.php?MTID=m84b8a80895ddc8347bca7d2e2f8b5b5b>

14:00 Welcome, *Guy van den Eede, Director, Directorate F: Health, Consumers and Reference Materials*

14:10 Models in infectious disease dynamics and their role in public health, *Nikolaos Stilianakis, JRC Lead Scientist, Epidemics: Dynamics and Control project*

Part I: Transmission of respiratory viruses

14:30 Aerosols physics and airborne transmission of influenza and SARS-CoV-2, *Yannis Drossinos, Senior Scientist, JRC*

14:50 Missing aspects of the “Swiss Cheese Model” for epidemic control and vaccine scepticism, *Walter Hugentobler, MD, EPFL, Switzerland*

15:10 Q&A

15:20 Break

Part II: Demography and Epidemiology / Epidemiological Models

15:30 Spatial differentials in COVID-19 infections, mortality and health care utilization in the EU: a population health approach, *Simona Bignami, Department of Demography, University of Montreal*

15:50 A new approach for modelling epidemic dynamics adapted to COVID-19, *Vladimir Veliov, Operations Research and Control Systems, Technical University of Vienna*

16:10 Q&A

16:20 Break

Part III: Models in early warning for mosquito-borne diseases

16:30 On the predictability potential of West Nile virus risk through the MIMESIS model, *Ioannis Kioutsoukis, Department of Physics, University of Patras, Greece*

16:50 EYWA: A key tool to the mosquito borne diseases arsenal, *Haris Kontoes, Center for Earth Observation Research and Satellite Remote Sensing, National Observatory Athens*

17:10 Q&A

17:20 General discussion, wrap up, and conclusions (all participants, moderation: Nikolaos Stilianakis)

17:30 End