



PROGRAMME



International symposium on One Health

THE ONE HEALTH CHALLENGES TO TACKLE INFECTIOUS DISEASES

St-Brieuc | 12th • 13th • 14th June 2024

PALAIS DES CONGRÈS ET DES EXPOSITIONS

"Healthy animals are essential for the future of human life"

Dr David Nabarro, United Nations System Senior Coordinator for Avian and Human Influenza

ORGANISATEURS



PARTENAIRES



WEDNESDAY 12TH JUNE

8 am - 12 pm	On-site registrations
1 - 1:30 pm	Opening ceremony, <i>by Dr Jean-Philippe DOP, Deputy Director General of the WOAH</i>
1:30 - 2:30 pm	Keynote lecture 1 Biodiversity, habitat and climate change : impact on emerging diseases <i>Dr Serge Morand, CNRS-IRD -Université de Montpellier</i>
2:30 - 3:30 pm	Regular session One Health effects of changes (3 oral communications)
3:30 - 4 pm	Coffee break
4 - 6 pm	Regular session Enhanced integrated surveillance - Antibioresistance and bacterial zoonoses (6 oral communications)
6 - 7 pm	Welcome cocktail

THURSDAY 13TH JUNE

9 - 10 am	Keynote lecture 2 How to strengthen collaboration between human, animal and environmental health? <i>Dr Alexandra Mailles, Santé Publique France</i>
10 - 10:30 am	Coffee break
10:30 - 11:30 am	Regular session Enhanced integrated surveillance - Wildlife and environment (3 oral communications)
11:30 am - 12:30 pm	Regular session New tools to meet One Health challenges (I) (3 oral communications)
12:30 - 1:30 pm	Lunch
1:30 - 2:30 pm	Keynote lecture 3 The One Health Challenges of Avian Influenza <i>Dr Béatrice Grasland, ANSES</i>
2:30 - 3:50 pm	Regular session Enhanced integrated surveillance - Viral zoonoses (4 oral communications)
3:50 - 4:20 pm	Coffee break
4:20 - 6 pm	Regular session Risk perception, communication and management (4 oral communications)
	Interval
7 - 10 pm	Gala Dinner. Saint Quay-Portrieux

FRIDAY 14TH JUNE

9 - 10 am	Keynote lecture 4 Which tools for which One Health challenges ? <i>Wim VAN DER POEL</i>
10 - 10:30 am	Coffee break
10:30 - 11:30 am	Regular session New tools to meet One Health challenges (II) (3 oral communications)
11:30 - 12:30 am	Keynote lecture 5 ANRS –Emerging infectious Diseases: an autonomous agency with emphasis on a One-Health approach of infectious diseases <i>Pr Yazdan YAZDANPANAHI, Director of ANRS-MIE</i>
12:30 - 1 pm	Closing ceremony <i>by Benoit vallet, ANSES Director General</i> End of Symposium

Wednesday 12th June 2024

1 - 1:30 pm Opening ceremony by **Dr Jean-Philippe DOP**, Deputy Director General of the WOAHA

1:30 - 2:30 pm **Keynote lecture 1 / Biodiversity, habitat and climate change : impact on emerging diseases**
Invited speaker : **Serge MORAND** - CNRS (France)



Serge Morand is a health ecologist with a background in evolutionary ecology and parasitology. He leads projects on the impacts of global planetary changes (climate, land use, urbanization) on the links between biodiversity, health and societies in Southeast Asia. Researcher at the CNRS, he is based in Thailand at the Faculty of Veterinary Medicine of the University of Kasetsart and Visiting Professor at the Faculty of Tropical Medicine of Mahidol. He is a member of the One Health High Panel of Experts (OHHLEP) of the quadripartite One Health (WHO, OMSA, FAO, UNEP). Chairpersons: Stéphanie DESVAUX (France) and Nicole PAVIO (ANSES/INRAE, France)

2:30 - 3:30 pm **Regular session / OneHealth effects of changes**
Chairperson: **Juan-Manuel ARIZA-CHACON** (Oniris, France)

3 Oral communications

- Impact of ocean acidification and chronic exposition to pesticides on fish health - Thierry MORIN (ANSES, France)
- Current Belgian summer day/night temperatures reduce the vector competence of indigenous field collected mosquitoes for Japanese encephalitis virus - Nick DE REGGE (Sciensano, Belgium)
- Fate of Clostridioides difficile- a One Health spore-forming pathogen-through agricultural anaerobic digestion - Caroline LE MARECHAL (ANSES, France)

3:30 - 4:00 pm Coffee break

4:00 - 6:00 pm **Regular session / Enhanced integrated surveillance - Antibioresistance and bacterial zoonoses**

Chairpersons: **Florence TARDY** (Anses, France)

6 Oral communications

- A system for the integrated management and analysis of One Health antimicrobial resistance and usage surveillance data - Angus CAMERON (Ausvet Europe, France)
- Surveillance of Vibrio parahaemolyticus from imported seafood in Germany and further dissection of ESBL and NDM-1-producing isolates - Jens HAMMERL (German Federal Institute for Risk Assessment, Germany)
- Users' perception of the OH-EpiCap evaluation tool based on its application to nine national antimicrobial resistance surveillance systems - Marianne SANDBERG (Technical University of Denmark, Denmark)
- Burkholderia pseudomallei, the causative agent of melioidosis, is locally established in Guadeloupe, French West Indies - Mégane GASQUE (ANSES, France)
- Tracking potential Leptospira sources following human cases of leptospirosis : a One Health approach applied to an ecosystem in Brittany, France - Florence AYRAL (VetAgro Sup, France)
- Towards integrated surveillance of antibiotic resistance in France: A first joint analysis of surveillance data in a One Health perspective - Claire CHAUVIN (ANSES, France)

6:00 - 7:00 pm Welcome Cocktail

Thursday 13th June 2024

9 - 10 am

Keynote lecture 2 / How to strengthen collaboration between human, animal and environmental health ?

Invited speaker : **Alexandra MAILLES** Santé Publique France (France)



Alexandra Mailles is a senior epidemiologist in the department of infectious diseases at Santé publique France, the French public health agency. Her main occupation is the epidemiological surveillance of zoonosis and emerging diseases, outbreaks investigation and preparedness.

Dr Mailles completed her education at the veterinary school of Maisons-Alfort. She pursued further specialization in epidemiology and infectious diseases at the University of Bordeaux, thereafter obtaining a PHD degree at the University of Grenoble on infectious encephalitis.

Dr Mailles participated to the response to several major outbreaks and crises, including the Ebola outbreak in West Africa in 2014/16 and the recent Covid-19 pandemic.

Chairpersons: Christophe CORDEVANT (Anses, France) and Nicolas ROSE (Anses, France)

10 - 10:30 am

Coffee break

10:30 - 11:30 am

Regular session / Enhanced integrated surveillance - Wildlife and environment

Chairpersons: Céline RICHOMME (Anses, France)

3 Oral communications

- Environmental exposition of wild birds to Clostridium botulinum in ponds and influence of ecological conditions on the occurrence of outbreaks - Ariane PAYNE (OFB, France)
- Surveillance and virus characterization of SARS-CoV-2 from white-tailed deer in Canada - Samira MUBAREKA (University of Toronto, Canada)
- The SAGIR network at the cross roads between wildlife health, public health and animal health: examples of an integrated surveillance and multidisciplinary cooperation - Loïc PALUMBO (OFB, France)

11.30 am - 12.30 pm

Regular session / New tools to meet One Health challenges (I) **Chairperson: Anne-Marie POURCHER (INRAE, France)**

3 Oral communications

- Surveillance of viruses in European environmental waters in the frame of the Forewarn project - Prunelle WALDMAN VIGNE (ANSES, France)
- Wastewater-based surveillance of ESBL/AmpC- and carbapenemase-producing Escherichia coli and Klebsiella pneumoniae in Northern Italy - Giorgio VARISCO (Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia-Romagna B.Ubertini, Italy)
- Early warning system for highly pathogenic avian influenza in Europe - Céline FAVERJON (Ausvet Europe, France)

12.30 am - 1.30 pm

Lunch

Thursday 13th June 2024

1:30 pm - 2:30 pm **Keynote lecture 3 / The One Health Challenges of Avian Influenza**
Invited speaker : **Béatrice GRASLAND** - French Agency for Food, Environmental and Occupational Health & Safety (ANSES, France)



Béatrice Grasland is head of the avian and rabbit virology and parasitology unit at the Anses, the French Agency for Food, Environmental and Occupational Health & Safety laboratory, in Ploufragan-Plouzané-Niort and head of the national reference laboratory for avian influenza in France. Ph.D. in microbiology, she has been working at the Anses since 2003 in animal virology, first on emerging viruses in pigs such as circoviruses and coronaviruses, then in avian virology from 2018 onwards, particularly on avian influenza and Newcastle disease. Her research work focuses on the characterization of viruses in vitro and in vivo (virulence markers, transmission, etc.), diagnosis and the study of the viral genome evolution as well as inter-species transmission. She participates as an expert in national (Haut Conseil de la santé publique, Anses) and international (EFSA, EMA) committees on these subjects.

Chairpersons: Nicolas ETERRADOSSI (France) and Mouna Abed-Zahar (Labocéa)

2:30 - 3:50 pm **Regular session / Enhanced integrated surveillance - Viral zoonoses**

Chairpersons: Gaëlle SIMON (Anses, France)

4 Oral communications

- European Swine Influenza Network (ESFLU); re-establishment of a European network for influenza in swine for the benefit of One Health - Gwenaëlle DAUPHIN (Ceva Santé Animale, France)
- Swine Influenza A Virus Phylodynamics Highlights Epizootic Spread in Pigs and Species Barrier Crossing Towards Turkeys and Human in France - Gautier RICHARD (ANSES, France)
- National swine influenza surveillance program in the Netherlands, 2022-2023 - Tijds TOBIAS (Royal GD, The Netherlands)
- Unveiling the sentinel role of dogs in flavivirus circulation dynamics in southeast of France - Younes LAIDOUDI (IHU Méditerranée Infection, France)

3:50 - 4:20 pm Coffee break

4:20 - 6 pm **Regular session / Risk perception, communication and management**

Chairpersons: Florence AYRAL (VetAgrosup Lyon, France)

4 Oral communications

- How One Health approaches penetrate in the scientific community? A bibliometric analysis - Lisa VORS (UMR Astre Cirad - Ecole Nationale Vétérinaire de Toulouse, France)
- Transmission dynamics modelling of Hepatitis E virus in compartmentalized pig farms reveal between batch and between compartment transmission as potential effective on farm control target - Marina MEESTER (Utrecht University, The Netherlands)
- Moving towards One Health surveillance of antimicrobial resistance in France: A mixed approach to evaluate cross-sectoral collaboration and associated drivers and barrier - Lucie COLLINEAU (ANSES, France)
- Syndromic surveillance for Animals and One Health: Current Practice and Future Directions - Julie SHAPIRO (ANSES, France)

7 - 10 pm : Gala Dinner. Saint Quay-Portrieux

Friday 14th June 2024

9 - 10 am

Keynote lecture 4 / Which tools for which One Health challenges ?

Invited speaker : Wim VAN DER POEL - Wageningen Bioveterinary Research (Netherlands)



Wim van der Poel is special professor of Emerging and Zoonotic Viruses at Wageningen University and Research, the Netherlands. He is Doctor in veterinary medicine and has obtained his PhD degree at Utrecht University. He is a specialist within the European College of Veterinary Microbiology (ECVM) and Coordinator of the EPIZONE European Research Group, the largest network on epizootic animal diseases research. Wim van der Poel is an expert on veterinary virology and detection and characterization of new and emerging viruses He has worked on emerging viruses research for more than 30 years and has been involved in many international research projects.

Over the past few years Wim van der Poel worked at Wageningen Bioveterinary Research and collaborated with a lot of other research groups in a number of One Health networks, including the EJP One Health, the Netherlands Center for One Health (NCOH) and the Global One Health Research Partnership (GOHRP). Wim van der Poel and relies on a vast network of professional experts in the specific areas of emerging and zoonotic viruses; foodborne viruses and One Health.

Chairpersons: Tijs TOBIAS (Royal GD, The Netherlands) and Philippe FRAVALO (CNAM, France)

10 - 10:30 am

Coffee break

10:30 – 11:30 am

Regular session / New tools to meet One Health challenges (II) One Health effects of Changes 02

Chairpersons: Philippe FRAVALO (CNAM, France)

3 Oral communications

- The Care collection: an open panel of over 500 strains of perfectly characterized zoonotic and foodborne bacterial pathogens - Emmanuelle HELLOIN (INRAE, France)
- A Model of One Health Antimicrobial Resistance Monitoring: the National Antimicrobial Resistance Monitoring System - Gregory TYSON (FDA, USA)
- Portable, on-site metagenomic sequencing for pathogen and antimicrobial resistance surveillance in a One Health context - Bram BLOEMEN (Sciensano, Belgium)

11:30 am - 12.30 pm

Keynote lecture 5 / ANRS – Emerging infectious Diseases: an autonomous agency with emphasis on a One-Health approach of infectious diseases

Invited speaker: Pr Yazdan YAZDANPANA, Director of ANRS-MIE



Yazdan Yazdanpanah is the Director of ANRS emerging infectious diseases Agency, Director of the Aviesan/Inserm Institute I3M, Head of the Infectious Disease department at Bichat Hospital and Professor of Infectious Disease at Paris Cité University.

Master of Science degree in epidemiology from the Harvard School of Public Health and a Ph.D degree in public health from the Bordeaux School of Public Health. His research interests include the clinical epidemiology of HIV, viral hepatitis, emerging infectious diseases and the pharmaco-economics of antimicrobial agents.

Chairpersons: Gilles SALVAT, ANSES (France)

12:30 - 1 pm

Closing ceremony

by Pr Benoît Vallet, ANSES General Director

End of the symposium