



European Animal Health  
& Welfare Research  
COLLABORATIVE WORKING GROUP



## WEB INTERACTIVE WORKSHOP

30<sup>th</sup> June 2020

14.00 – 16.15 CET

### REGISTRATION

LINK

<https://bit.ly/3c8dC5q>

# PANDEMIC! A one health view of emerging infectious diseases

## What veterinary sciences can contribute

*Lessons learnt from Covid19*



### MORE INFORMATION

WEBSITE

[www.apre.it](http://www.apre.it)

[www.star-idaz.net](http://www.star-idaz.net)

[www.scar-cwg-ahw.org](http://www.scar-cwg-ahw.org)

With the collaboration of:





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## INTRODUCTION

New diseases are continually emerging. A conservative estimate is that there is one new human disease every eight months, with even more emerging in animals. Emerging diseases are a threats for mankind and new ways are needed for their prevention and control. Moreover, is it becoming clear with the COVID-19 human pandemic, such emergencies also impact negatively on the control of animal diseases generally. The proposed discussion will focus on the following topics:

- COVID-19 as a multidisciplinary research accelerator for animal health;
- Overview on the epidemiological background of Coronaviruses and other pandemic agents and the progress of technology in delivering improved surveillance and control of the associated diseases;
- How to give direction to the future Strategic Research Agendas (SRAs) for veterinary science to improve preparedness and cope with novel and re-emerging diseases.

## OBJECTIVES AND METHODOLOGY

There are several lessons for veterinary medicine to be learnt from COVID-19; the key questions to be discussed in this workshop are:

**How can research on animal infectious diseases contribute to prevent and control future human and animal pandemics?**

**How can Strategic Research Agendas in animal health be improved to prevent and respond in a timely manner to new and emerging animal diseases?**

We will scrutinise these questions starting from the following assumptions:

- The successful control of global diseases is dependent on a number of factors. Herd immunity can be enhanced by **vaccination**, but newly emerging diseases severely constrain the available time to develop, test, regulate, produce, and deploy effective vaccines.
- Effective disease control requires good understanding of the disease **aetiology, epidemiology and pathology**.
- Veterinary research can lead to answers on **immunology, host-pathogen interaction, and spillover potential with far-reaching significance also for human medicine**. Animal models are still fundamental for studying and developing new vaccines and therapeutics.
- This pandemic has again highlighted the importance of **hygiene, biosecurity, and preventive medicine as first lines of defense against emerging infectious diseases**.

The Collaborative Working Group on Animal Health and welfare research (CWG-AHW) and the Global Strategic Alliances for the Coordination of Research on the Major Infectious Diseases of Animals and Zoonoses and its related International Research Consortium (STAR-IDAZ IRC), with the support of APRE (Agency for the Promotion of European Research), invite you to participate in a discussion (online) between representatives of public research institutions, pharmaceutical industry and government. The discussion will aim to encourage the exchange of innovative ideas, possible actions to support a public-private-partnership approach, new tools for financial support of research, and to better define short-term strategies to give a new direction to SRAs on animal health through collaboration between the different actors.

**Participants will be able to actively interact in the discussion and express ideas and needs using their smartphone.**



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## PROGRAMME

14.00 -14.10

### WELCOME INTRODUCTION AND INSTRUCTIONS FOR THE INTERACTIVE PARTICIPATION

Introduction to the day

**Hein Imberechts,**  
*CWG-AHW— Chair*

Briefing to set interactive tool for your active participation

**Matteo Sabini,**  
*APRE*

14:10-15:10

### TALKS

**Moderator: Stefano Messori,**

STAR-IDAZ IRC/World Organisation for Animal health (OIE)

Talks	Speakers
COVID-19 as accelerator of multidisciplinary research approach.	<b>Ilaria Capua,</b> Head of the One Health Center of Excellence for Research and Training, University of Florida, USA
The role of wildlife in emerging threats.	<b>Linfa Wang,</b> Director of the Programme in Emerging Infectious Diseases at Duke-NUS Medic School, Singapore
ZAPI modular vaccine approach as an answer to pandemic and panzootic disease threats.	<b>J. Christophe Audonnet,</b> Senior Director, Vaccines R&D, Coordinator of ZAPI IMI Project, (Zoonoses Anticipation and Preparedness Initiative) Boehringer Ingelheim Animal Health France
Emerging threats: how close are we to being able to predict the next pandemic.	<b>Mark Woolhouse,</b> Chair of Infectious Diseases Epidemiology, Usher Institute, University of Edinburgh, UK
STAR-IDAZ IRC: improving the focus of the research effort to deliver the necessary disease control tools.	<b>Alex Morrow,</b> Chair of STAR-IDAZ IRC Secretariat and International Evidence Lead Animal Health and Welfare at Defra, UK



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## PROGRAMME

15:10 – 16.10

ROUND TABLE AND MUTUAL LEARNING SESSION

Other invited speakers for the round table:

**Arjan Stegeman**

Full professor of Farm Animal Health and Epidemiology of Infectious Diseases at Utrecht University The Netherlands

**Jean Charles Cavitte**

Research Policy Officer  
Unit B2: Research and Innovation  
European Commission, DG AGRI

**Hein Imberechts**

Coordinator *One Health EJP*/Chair CWG AHW

**Luke O'Neill**

Professor of biochemistry in the School of Biochemistry and Immunology at Trinity College Dublin and Founder Director, Trinity Biomedical Sciences Institute, Trinity College, Dublin

**Technical assistance:**

**Matteo Sabini  
APRE**

The speakers will discuss with quick snapshot replies on the themes of the event within a round table.

**Workshop audience will be actively involved in the discussion through the use of their smartphone, suggesting questions and solutions on the discussed themes.**

All contributions will be collected in a final reporting following the web event.

16.20

CONCLUSION



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## Scientific committee

from **CWG AHW** and **STAR-IDAZ IRC**

**HEIN IMBERECHTS,**

Sciensano, Belgium

**ALEX MORROW,**

DEFRA, United Kingdom

**HERMANN SCHOBESBERGER,**

University of Veterinary Medicine Vienna, Austria

**STEFANO MESSORI,**

World Organisation for Animal health (OIE)

**JOHANNES CHARLIER,**

DISCONTTOOLS

EVENT COORDINATOR

**MARINA BAGNI,**

Ministry of Health, Italy

## Thanks to

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