

TOWARDS HARMONISED AND INTEGRATED WILDLIFE DISEASE SURVEILLANCE IN EUROPE

Approaches, opportunities and Citizen Science tools

WELCOME & INTRODUCTION

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CYCLE OF WEBINARS



CYCLE OF WEBINARS.

Towards harmonised and integrated wildlife disease surveillance in Europe: approaches, opportunities and Citizen Science tools.

May 9th / May 23th / May 31th



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Mammal Research Institute
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en Recursos Cinegéticos
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- Repeatedly, a lack of comparable data on the geographical distribution and abundance of the wildlife hosts at European scale has hampered **risk assessments for shared emergent diseases**



- To compile valid information on abundance and distribution of wildlife species following harmonised methods and filtered by standards of quality
- to promote and coordinate the generation of new data
- further enhance the network of wildlife professionals to support data collection activities



WHY?





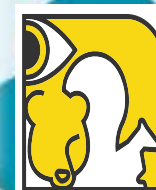
Population



Disease



Picture: Dragan Gacic



MAMMALNET
WATCH WILDLIFE FOR SCIENCE



Stds. for wildl.
dis. coming

HOW?

Mayor
achievement!!!



1. Harmonizing data collection: **standards for distribution & abundance of wildlife** & review methodology and propose density estimation protocols

2. Data collection (**networking**) and repository (open access)

Mayor
achievement!!!

Maps & models of species distribution



- Use for risk assessment for diseases (EFSA, The Commission, any)
 - Ecology & Management & Conservation of wildlife

Report on standards: <https://efsa.onlinelibrary.wiley.com/doi/10.2903/sp.efsa.2020.EN-1841>



ENETWILD Online Workshop

1st - 2nd March 2022

"Harmonized and integrated wildlife disease surveillance across Europe: experts' analysis and future perspectives"



ENETWILD

Home Data Output Collaborators

iMammalia

Are we ready for harmonised integrated surveillance of wildlife diseases in Europe?

<https://enetwild.com/2022/03/29/harmonised-integrated-surveillance-of-wildlife-diseases-in-europe/>



*International wildlife
disease surveillance: a
predefined system*

- *Appropriate coordinated multi-inter-disciplinary collection of data*
- *Subsequent analysis, and interpretation*
- *Effective management to improve health within wildlife populations, domestic animals and humans*



Feedback



OH surveillance



- The EU has allocated specific resources for Member States for setting up a coordinated surveillance system under the One Health approach for cross-border pathogens
- EFSA is asked to prioritize of the pathogens where surveillance should be targeted
- MS will then apply for funds to start that surveillance

1. Review about surveillance systems targeting transboundary and emerging zoonotic pathogens in wildl. & environ. (One Health)

2. Mapping of the main existing structured and systematic initiatives for surveil. in the EU for emerging and re-emerging zoon. in wildl. & environ.

3. Prioritization of zoonotic pathogens where wildlife is implicated / Criteria to be considered for prioritising and develop prioritisation methodology

4. Formulating recommendations for sustainable surveil. of zoon pathogens (wildl. is implicated)

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THE GENERAL OBJECTIVE...

... of this cycle composed of 3 online webinars is to contribute to improve the European capacities for harmonised wildlife health and disease surveillance.

Firstly, we will provide an overview of the potential of Citizen Science for monitoring wildlife, and its applications to wildlife disease surveillance, such as early warning. This is of great relevance, for example, to develop prompt measures and prevent the spread of African Swine fever in wild boar in Europe.

Secondly, we will present the main recommendations recently elaborated by experts in relation to harmonised and integrated wildlife disease surveillance in Europe, and what the future perspectives are.

Finally, we will focus on approaches and opportunities for integrated wildlife monitoring in Europe, summarizing the recommendations provided by experts in relation to harmonized European-wide wildlife. We will have the opportunity to present the newborn European Observatory of Wildlife (EOW, <https://wildlifeobservatory.org/>).





CYCLE OF WEBINARS

WEBINAR 1

MammalNet:
an overview of the
project achievements
and next steps.

MAY 9TH - 10:30/11:30^{AM}

CLICK TO SUSCRIBE →



MAY 9TH // 10:30 – 11:30AM

WEBINAR 1

MammalNet: an overview of the project achievements and next steps

- 10:30-10:50h - Main results of MammalNet project: Can we apply Citizen Science in monitoring wild mammals at European scale?
J Antonio Blanco Aguiar (IREC)
- 10:50-11:10h - iMammalia app: Citizen science at the service of wildlife disease surveillance. Graham Smith (APHA)
- 11:10-11:30h - Questions

Suscribe





CYCLE OF WEBINARS

WEBINAR 2

Harmonised and integrated wildlife disease surveillance in Europe: experts' analysis

MAY 23TH - 10:30/11:30^{AM}

[CLICK TO SUSCRIBE →](#)



MAY 23TH // 10:30 – 11:30AM

WEBINAR 2

Harmonised and integrated wildlife disease surveillance in Europe: experts' analysis.

- 10:30-10:50h - Wildlife diseases in publication databases with an European perspective. Rachele Vada/Stefania Zanet (UNITO)
- 10:50-11:10h - Main outcomes of the workshop on integrated wildlife disease surveillance in Europe. Are we ready for the future? Ezio Ferroglio (UNITO)
- 11:10-11:30h - Questions

Suscribe





CYCLE OF WEBINARS

WEBINAR 3

Approaches and opportunities for integrated wildlife monitoring in Europe

MAY 31TH - 10:30/11:30^{AM}

CLICK TO SUSCRIBE →



MAY 31TH // 10:30 – 11:30AM

WEBINAR 3

Approaches and opportunities for integrated wildlife monitoring in Europe

- 10:30-10:50h - Main outcomes of the 2nd Annual General Meeting of
● ENETWILD: approaches for a harmonized European-wide wildlife monitoring framework. Joaquín Vicente (IREC))
- 10:50-11:10h - The European Observatory of Wildlife (EOW). Tancredi Guerrasio (UNISS)
- 11:10-11:30h - Questions

<https://wildlifeobservatory.org/>





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