



Integrating Ecotoxicity in Early-Stage Drug Development

OneHealthdrugs Stakeholder Meeting



Date: 7 July 2024

Venue: COST Association Premises, Brussels



**Funded by
the European Union**

COST Action CA21111 – One Health Drugs Against Parasitic Vector-Borne Diseases (OHD)

Date: 7 July 2024

Venue: COST Association Premises, Brussels - 23rd floor of the Manhattan Center, Avenue du Boulevard – Bolwerklaan 21, 1210 Brussels

Format: In-person meeting

AGENDA

10:15-10:30

Registration and Welcome Coffee

10:30-10:45

Opening Remarks and Objectives of the Meeting

Wioleta Walentowska OneHealthdrugs Action Scientific Officer

Maria Paola Costi – Chair of the OHD COST Action, University of Modena and Reggio Emilia

- Welcome note and objectives of the session –
- Importance of addressing ecotoxicity early in the drug development process 10:45-11:50
Session 1: Environmental Impact of Pharmaceuticals
- Pharmaceutical pollution and its role in biodiversity loss and antimicrobial resistance
- Specific risks linked to veterinary and human medicine in the context of parasitic/vector-borne parasitic diseases and antiparasitic drugs

Invited Expert in environmental toxicology/ecology

Andrei Daniel MIHALCA DVM, MSc, PhD, DipECZM (Wildlife Population Health) WAAVP as a secretary.

Pablo Sagredo Martin (One Health Officer, United Nations Environment Programme (UNEP))

Janyl Moldalieva (Policy Officer at the United Nations Environment Programme (UNEP))

Environmental Impact of Pharmaceuticals: Implications for Biodiversity and Antimicrobial Resistance

*Elisa Uliassi*¹ and *Clara Lima*² Department of Pharmacy and Biotechnology, University of Bologna Italy², Institute for Research and Innovation in Health, University of Porto, Portugal

A Young Researcher's Perspective on the Early Integration of Ecotoxicity into Drug Discovery and Development for Vector-Borne Parasitic Diseases

11:50-12:30

Round table discussion 1 all invited. Voices from Industry, Human and Veterinary Sciences

- Current practices and challenges
- Open questions addressed by pharmaceutical companies, human and veterinary drug developers.

Discussants

Thomas Geurden (Head of Parasitology Research at Zoetis)

Environmental risk assessment of veterinary medicines: A global perspective

Eleni Chontzopoulou (Cloudpharm, Athens, Gr)

AI for a Safer Environment: Cloudpharm's Role in Predicting and Mitigating Ecotoxicity of Pharmaceuticals

Ludwig-Erdmann, Carolin

Elanco Animal Health GmbH Monheim - Germany (D)

Moderated by M.Paola Costi

12:30-13:30

Lunch Break and Informal Networking

13:30 – 14:45

Session 2:

Round table discussion 2 [All invited](#). Current Regulatory, One Health Gaps and Perspectives

Regulatory agency representatives will introduce the session.

- Role of the EU Commission, Parliament, and DGs
- Insights from EMA/FDA/OECD on integration of ecotoxicity
How to shape a regulatory roadmap within One Health frameworks.

[Discussants](#)

[Bruno Nunes](#) (*Universidade de Aveiro - Centro de Estudos do Ambiente e do Mar, Aveiro - Portugal (PT)*)

Point of view of a double edge sword expert - regulatory experience vs. ecotoxicology of pharmaceutical drugs

[R. Carpeto](#) *Area Environmental Risk Assessment, Agencia Española de Medicamentos y Productos Sanitarios (AEMPS) - Spain (ES)*

Parasitocides in the environment: Challenges in the authorisation.

[Eugenia Oliviero](#) *Experimental*

[Zooprophyllactic Institute of Sicily, Palermo - Italy \(IT\)](#)

WOHH laboratory reference about prevalence for the development of principle of guidance.

Moderated by T. Zacharis

14:45 – 16:00

Session 3: Action Points

Summary and adjourn

- Key takeaways and consensus points
- Proposal for a working group to develop a joint guideline
- Setting a timeline for follow-up activities

16:00 Closing Remarks and Thank You

[ATTENDANTS](#)

Jose Maria ALUNDA RODRIGUEZ

Complutense University of Madrid (UCM) - Spain (ES)

Maria Paola Costi

University of Modena and Reggio Emilia - Italy (IT)

OneHealthdrugs Action Chair

Theodora Calogeropoulou

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Ricardo CARAPETO GARCÍA

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- Spain (ES)

Eleni Chontzopoulou

Cloudpharm – Greece (EL)

Anabela Cordeiro-da-Silva

Faculty of Pharmacy, University of Porto- Portugal (PT)

OneHealthdrugs Action vice-Chair

Thomas Geurden
Zoetis Belgium - Belgium (B)
Clara Lima
I3s - Instituto De Investigacao E Inovacao Em Saude, University of Porto - Portugal (PT)

Ludwig-Erdmann, Carolin
Elanco Animal Health GmbH, Monheim - Germany (D)

Andrei Mihalca
Association for the Advancement of Veterinary Parasitology (WAAVP)

Olatunji Nasir ([potential remote participation](#))
World Veterinary Association (WVA) Medicines Stewardship Working Group

Bruno Nunes
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Experimental Zooprophyllactic Institute of Sicily, Palermo - Italy (IT)

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Wioleta Walentowska
OneHealthdrugs COST Action Scientific Officer

Janyl Moldaliev
United Nation Environmental Programme

Pablo Sagredo Martin ([remote participation](#))
United Nation One Health Programme

Theo Zacharis
Greek Scientists Society - Greece (EL)

David John
Senior Technical Manager of AnimalhealthEurope.
