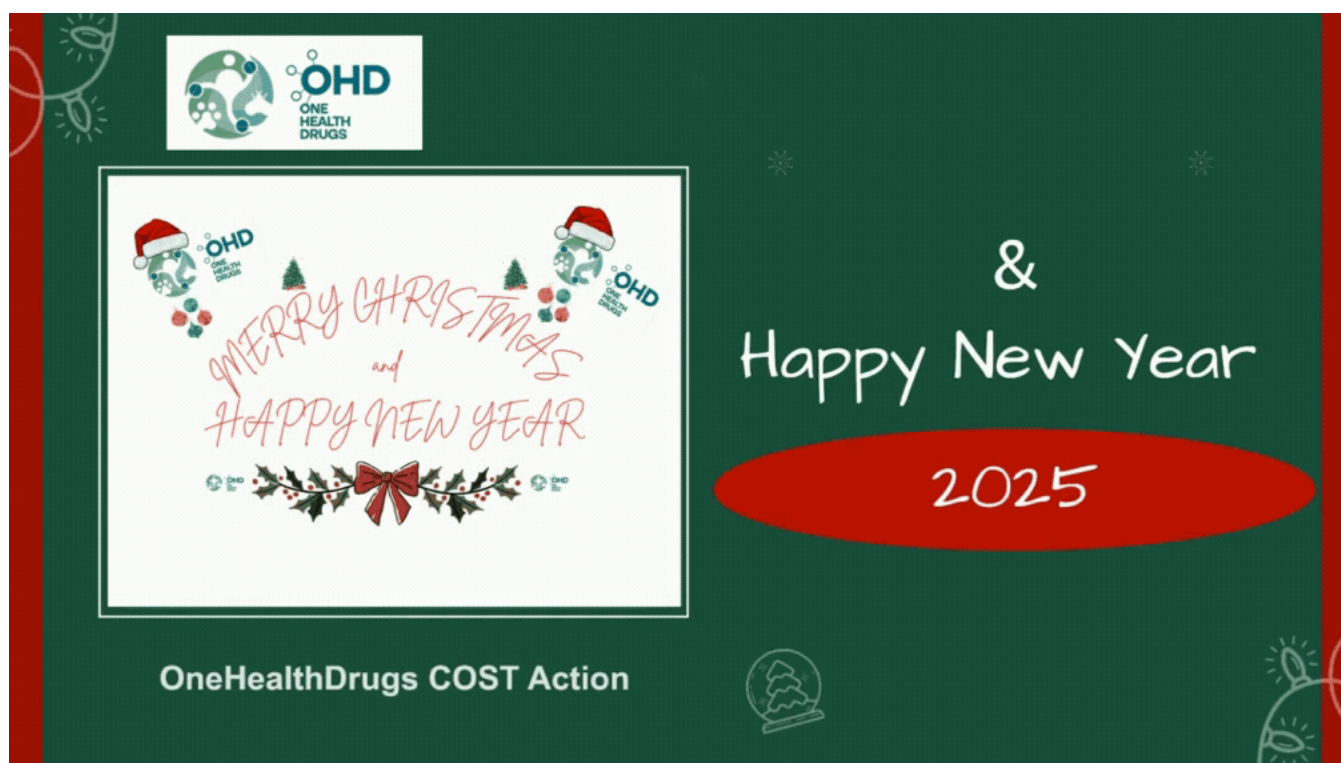


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In this edition ...

- **Highlights** from the Year 2024
 - YEAR 3 OneHealthdrugs Marathon** in NOVEMBER 2024
 - OneHealthdrugs Academy** for OneHealthdrug Ambassadors
- **Plans for the Upcoming Year (2025)**
- **The Missing Professional in the Chemistry of Care** (post on OHI)
- Participate in ongoing surveys. **Stakeholder Survey for OHD Initiatives**

Message from the Action Chair

December 20th, 2024

Dear Members of the **OneHealthDrugs** Action,

As we close another year of impactful work, I am thrilled to reflect on our collective achievements in 2024. Together, we have strengthened our network, expanded research frontiers, and set new benchmarks in parasitic vector-borne disease research. Highlights like the successful **OHD Marathon** and groundbreaking **workshops** demonstrate the power of our collaboration.

Looking ahead, Year 3 promises to be even more exciting. With innovative initiatives such as the **Ambassador Programme**, enhanced STSMs, and new events across Europe, we are setting a strong course for deeper impact and broader engagement.

As part of our commitment to the One Health philosophy, I invite you to explore the recently published article in OneHealthInitiative blog, **The Missing Professional in the Chemistry of Care** which underscores the indispensable role of medicinal chemists in advancing this vision.

Finally, let me extend my heartfelt gratitude to each of you for your dedication and contribution. I wish you all a joyful holiday season and a prosperous New Year. May 2025 be filled with success, growth, and strengthened collaboration for all. 🌲 🎁

by [Maria-Paola Costi](#), Action Chair



Maria Paola Costi, Action Chair

ps. I invite everybody to read the report of the previous activities, papers, collaborations, patents, projects and other outcomes in [common OHD report](#).

Highlights from the Year 2024

The past year has been a remarkable one for the OneHealthDrugs COST Action. A standout achievement was the Year 3 OneHealthDrugs Marathon, held in November, which brought together over 200 participants for four days of engaging presentations across medicinal chemistry, ecotoxicology, parasitology, and pharmacology. This event showcased the exceptional talent within our network, with awards recognising innovative research contributions from young researchers. Another milestone was the launch of the OneHealthDrugs Academy for Ambassadors, a new initiative designed to empower both young and senior researchers to champion the One Health philosophy, ensuring their active involvement in Action activities and dissemination efforts. These accomplishments highlight the dynamic progress of our community in addressing parasitic vector-borne diseases and advancing the One Health agenda.

NOVEL ACTIVITIES in 3rd YEAR (started on November 1, 2024-October 30, 2025)

December activity

- **WG2 organizational Meeting** 2024-12-06 15:00:00 - 16:00:00 CET Online
 - **HG2 STSM Grants awarding group meeting** 2024-12-11 10:00:00 - 12:00:00 CET Online
 - **WG3 Workshop "Antiparasitic veterinary drugs: From the bench to the market crossing (carefully) the environment"** 2024-12-12 14:00:00 - 17:00:00 CET Online
 - **WG4 organizational Meeting** 2024-12-18 14:00:00 - 15:00:00 CET Online
 - **HG4 meeting** 2024-12-19 17:00:00 - 18:00:00 CET Online
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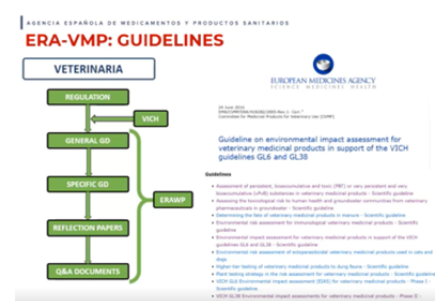
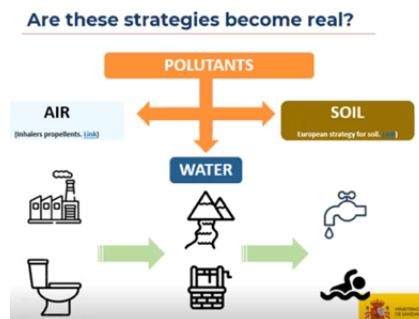
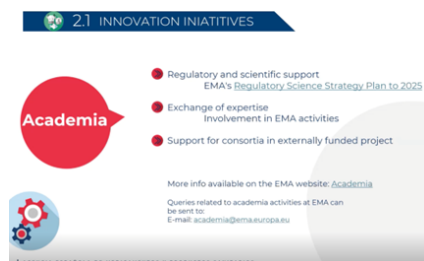
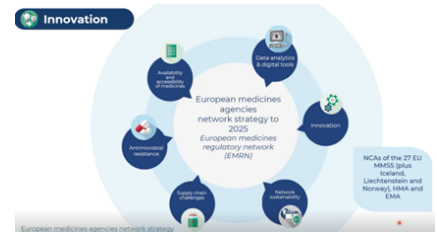
The First Workshop of 2024

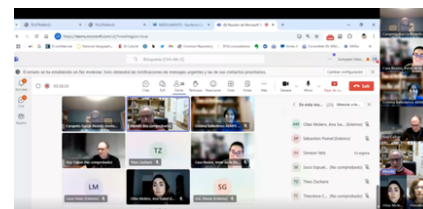
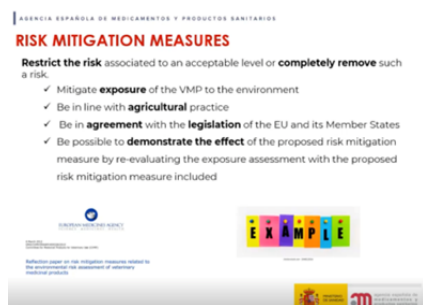
The first workshop of this year, titled **“Antiparasitic Veterinary Drugs: From the Bench to the Market Crossing (Carefully) the Environment”**, took place on December 12, 2024. Organised by WG3, led by **Guy Caljon** with the support of **Jose Alunda**, the workshop provided an in-depth exploration of veterinary medicines regulation in Europe, including the framework, regulatory agencies, and marketing authorisation processes.

Discussions also covered the development of promising veterinary medicine candidates and the mechanisms available at EMA and AEMPS to support innovation, particularly for SMEs. A key focus was the European approach to environmental risk assessment of veterinary medicines, highlighting prospects and challenges.

Keywords: Medicines in the environment: European approach to medicines in the environment. Environmental Risk Assessment of veterinary medicines, current situation and prospects. Risks to the environment of veterinary medicines.

For more details, visit the event page: [Antiparasitic Veterinary Drugs Workshop](#).





Year 3 OneHealthDrugs Marathon, held in November

The OneHealthdrugs Marathon Days were a resounding success, with excellent participation from around 200 attendees over the course of four days.

Below is the event schedule:

- 25.11.2024 (2:30 PM – 6:00 PM): Medicinal Chemistry and Structural Biology
- 26.11.2024 (10:00 AM – 1:00 PM): Integration of Ecotoxicology in Drug Discovery
- 27.11.2024 (2:30 PM – 6:00 PM): Parasitology and Pharmacology
- 28.11.2024 (9:30 AM – 1:00 PM): YRI Presentations + STSM Presentations, followed by Awards at 1:00 PM

The Marathon featured approximately 40 presentations. At the conclusion, a distinguished committee comprising Prof. **Anabela Cordeiro-da-Silva**, Dr. **Elisa Uliassi**, and Dr. **Gulsah Bayraktar** presented awards to two outstanding young researchers:

Lorenzo Tagliacruzchi (STSM), Unimore, Italy

"Revealing the Mechanism of Action of the Innovative Antileishmanial Agent H80 through Fractionated MS Proteomics, Untargeted Metabolomics, and Fluorescence Imaging"

Rokaya Ahmad, University of Antwerp, Belgium

"Towards Knowing Your Target in Leishmania: Establishment of Validated In Situ Assays for Antileishmanial Drug Discovery"

Congratulations to the winners! Both awarded young researchers will receive grants to participate in an in-person workshop.



OneHealthdrugs Academy for OneHealthdrug Ambassadors

The **OneHealthDrugs Academy for Ambassadors** is an exciting new initiative launched in 2024 to empower researchers to become advocates for the One Health philosophy. Designed for both young and senior researchers, the programme aims to foster leadership within the network by selecting Ambassadors who demonstrate exceptional commitment to the OneHealthDrugs mission.

These Ambassadors will represent the Action at key events, participate in at least 60% of organised activities, and contribute to the dissemination of outcomes. With structured criteria and support from the Management Committee, this initiative not only strengthens engagement within the network but also amplifies the reach and impact of the OneHealthDrugs Action.

Wish to become an OHD Ambassador?

Plans for the Upcoming Year (2025)

As our Community grows day by day, we are excited to announce a dynamic schedule of events, grants, and opportunities for the coming months.

Events 2025

- Conference in Antwerp (Belgium) 4-6 June 2025
- Workshop "Surveillance, prevention and therapies against parasitic diseases in humans and animals" [WG2, WG3, WG6] Tirana (Albania) 2025-05-15 10:00:00 - 2025-05-16 12:00:00. Hybrid
- A Training School in Latvia organised by Emilio Parisini in collaboration with Marco Mazzorana (Oxford UK), Andrea Ilari (Rome, Italy) and Cecilia Pozzi (Siena, Italy).
- Training School "In silico prediction method for ecotoxicity and bioaccumulation" [WG2+HG6+HG7] 19/03/2025 -21/03/2025 Athens (Greece) + one day workshop

For the next 3rd period, the allocated budget will allow about **10 STSM, 2 Dissemination grants**, with 2 rounds of selection.

The STSM application windows are:

- 15 October-30 November 2024
- 1 February – 15 March 2025

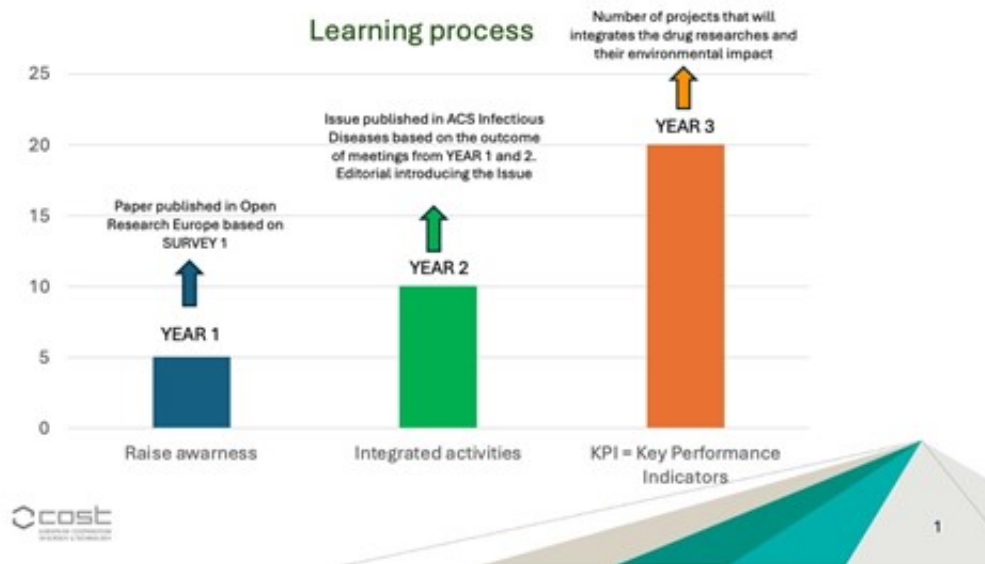
All STSM and grants must be completed by end of August 2025, to have the time to report and be reimbursed by end of September 2025. In the evaluation process YR have priority, even if senior scientists are welcome to apply. Additional requirements will be included for approval that is the integration of drug research fields with environmental impacts outcome and declaration of the Global development goals explicitly addressed. These requirements will apply starting from the 6th STSM calls.

From this year onwards we have additional Dissemination grants:

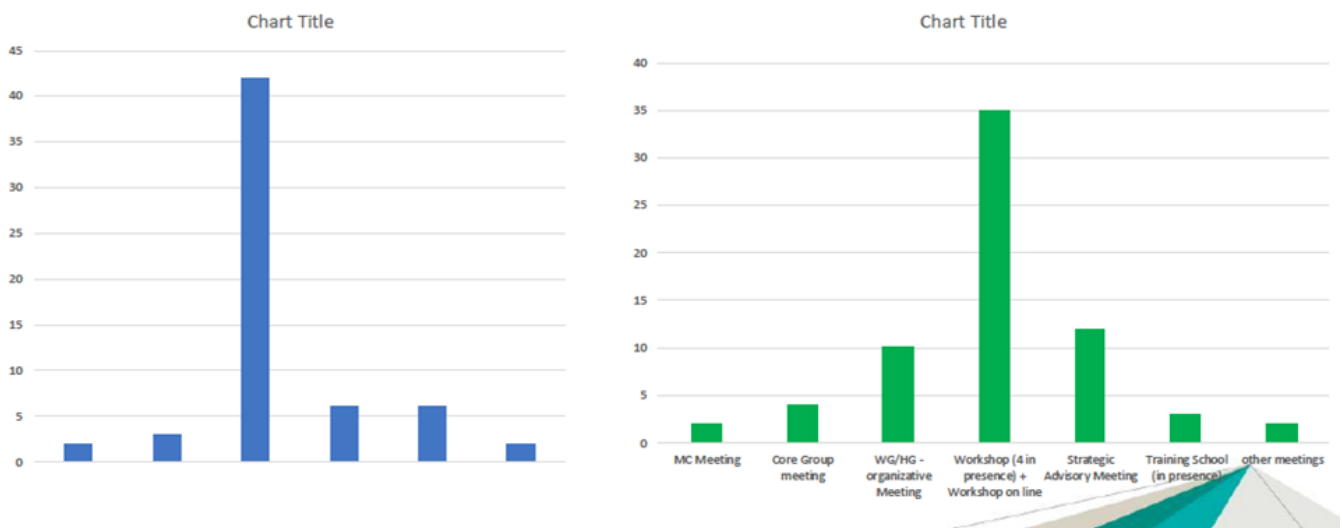
- **YRI Conference grant** funds a presentation (poster/oral presentation) of their own work by a Young Researcher and Innovator (YRI) in a high-level conference fully organized by a third party, i.e. not organized nor co-organized by the COST Action.
- **ITC Conference grant** funds an oral presentation of their own work within the scope of the Action by an Action Participant affiliated to a legal entity located in an Inclusiveness Target Country / Near Neighbor Country in a high-level conference fully organized by a third party, i.e. not organized nor co-organized by the COST Action.

- **Dissemination Conference** grant funds an oral presentation by an Action Participant of the work of the Action in a high-level conference fully organized by a third party, i.e. not organized nor co-organized by the COST Action

Achievements at the 2nd grant period (YEAR 2) and perspective achievements for YEAR 3



Representation of the number of networking activity



Events planned for 3rd Working Period

		Held	To be held
2	MC Meeting	0	2
4	Core Group meeting	1	3
36	WG/HG -organizational Meeting	1	35
12	Workshop (4 in presence) + Workshop on line	0	12
2	Strategic Advisory Meeting	1	2
2	Training School (in presence)	0	2
58	+ Several «minor» organizational events		

January activity. Invitation will follow for confirmation

WG5 organizational Meeting 2025-01-07 16:00:00 - 17:00:00 CET Online

HG5 Meetings (Training school meeting preparation) 2025-01-09 15:00:00 - 17:00:00 CET Online

WG1 organizational Meeting 2025-01-15 15:00:00 - 16:00:00 CET Online

General Assembly 2025-01-29 14:00:00 - 16:00:00 CET Online

WG3 organizational Meeting 2025-01-31 13:00:00 - 14:00:00 CET online

Missing Professional in the Chemistry of Care



News

The Missing Professional in the Chemistry of Care: Medicinal Chemists and the One Health Philosophy

December 19, 2024



**The Missing Professional in the Chemistry of Care -
provided by: Professors Rohini R. Roopnarine and Maria Paola Costi**

Left to Right: [Prof. Stefano Alcaro, PhD](#), [Prof. Maria Paola Costi \(Chair\), PhD](#) and [Prof. Rohini R. Roopnarine, DVM, M. Phil, EdD](#)

Surveys (ongoing and forthcoming)

We encourage you to take a few moments to participate on the survey

- SURVEY5 - Collection of available technologies (WG1-WG2) (Ulrike Wittig, Theodora Calogeropoulou): this have already sent out for the second information collection
- Collection of Medicinal chemistry projects within the network (WG2) (will be launched soon)
- WG 6 Survey on veterinary drugs
- HG7-survey on ecotox

and especially in the Stakeholders survey.

Strategic meeting for stakeholder engagement

On YEAR 3 we start the stakeholder engagement activity to meet the final objective of results exploitation. This has to do with the inclusion of the compounds properties at the very early phase of the drug discovery process.

For the needs of this initiative, we plan two meetings within the 2025. The preliminary meeting in Feb 2025 and later a meeting in Brussels.

**Interested to join the Stakeholder
Engagement team? Click here**



To ensure these efforts are successful, we need your valuable input on identifying and analysing the right stakeholders.

OHD Stakeholders Analysis Survey

Stakeholder Identification and Analysis

Member Input Survey

Dear OneHealthdrugs member,

As we move forward with our project, identifying and engaging with the right stakeholders is crucial for our success in two key initiatives: the *White Paper on the Environmental Impact of Antiparasitic Drugs* and the *Guidelines for the Development of Low Environmental Impact Antiparasitic Drugs*.

We value your insights and expertise in identifying key stakeholders, selecting the appropriate tools for analysis, and potentially joining our Stakeholder Analysis (SA) team. This survey is designed to gather your input on these critical areas. Your responses will help shape our approach and ensure that we engage with all relevant parties effectively.

Please click on the image below to watch Theo Zacharis presentation on Stakeholders Analysis at the recent



Give us your valuable feedback

We will be pleased to answer any questions you may have or consider suggestions for improving our Community.

Please email us at onehealthdrugs.events@gmail.com

**Contact us if you have any questions,
suggestions or you wish to share your
news**



CA21111 - One Health drugs against parasitic vector borne diseases in Europe and beyond (OneHealthdrugs)

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