



ERBFacility
EUROPEAN RAPTOR BIOMONITORING FACILITY
COST ACTION 16224

Working Groups 1 & 2 Workshop
Risk Assessment of Anticoagulant
Rodenticides in European Raptors

Hosted by National Museum of Natural History
in Madrid, Spain
Wednesday 24 April 14:00 – Friday 26 April 12:00

PROGRAMME

This event is organised by COST 16224 Action European Raptor Biomonitoring Facility and supported by COST (European Cooperation in Science and Technology). COST (European Cooperation in Science and Technology) is a pan-European intergovernmental framework. Its mission is to enable break-through scientific and technological developments leading to new concepts and products and thereby contribute to strengthening Europe's research and innovation capacities. www.cost.eu. COST is supported by the EU Framework Programme Horizon 2020.

MEETING OBJECTIVES

This meeting is convened by WGs1&2 at the National Museum of Natural History, Madrid, Spain.

In the Memorandum of Understanding of ERBFacility, and concretely among the aspects related to the “Analysis Arena” (WGs 1&2), we have identified the key element the necessity of a networking and coordination among ecotoxicologists and analytical laboratories, decision-makers and regulatory agencies. Indeed, this objective will be achieved piloting a joint assessment and reporting between collaborating labs to deliver proof of concept of pan-European monitoring.

At the end of the second period and during all the 3rd period we expect WGs 1&2 to work building a network of collaborating laboratories capable of delivering panEuropean surveillance and monitoring of key priority pollutants under the Biocides directive (like anticoagulant rodenticides -ARs). For these specific tasks (Tasks 1.3, 2.3), WGs 1&2 proposed establishing activities regarding quality control and potential for sample exchange between laboratories and collections.

This workshop aims to address several issues related to risk assessment of exposure to anticoagulant rodenticides in European raptors, including: usefulness of certain raptor species to monitor rodenticides based on land use and human activities; secondary exposure in predators; potential sublethal effects due to chronic exposures; review of analytical methods among labs; usefulness of exposure and effect biomarkers.

The issues cited above have been organized in four specific topics, which will be discussed during the following four respective sessions: 1) Anticoagulant Rodenticides and their applicability to the Proof of Concept designed at the Stirling meeting; 2) Interlaboratory comparison with special attention to the quality control procedures to guarantee reliable results; 3) Forensic tools to facilitate diagnosis of anticoagulant rodenticide secondary poisonings, and 4) Propose aims, requirements, and expected results regarding to a short term scientific mission about anticoagulant rodenticides.

The Organising Committee

Antonio J. García-Fernández, Lead WG2

Richard Shore, Lead WG1

Philippe Berny, WG2

Rafael Mateo, WG2

Local Organiser

Rafael Mateo. IREC-CSIC-UCLM

National Museum of Natural History.

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PROGRAMME

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|---------------------------|--------------------|---|
| Wednesday 24 April | | MUSEO NACIONAL DE CIENCIAS NATURALES – MADRID (CSIC) |
| 14.00-14.30 | | REGISTRATION |
| 14.30-15.30 | 1st SESSION | INTRODUCTORY PRESENTATION AND PLAN FOR THE WORKSHOP (Richard Shore, Antonio García-Fernández, Rafael Mateo) |
| | | |
| 15.30-16.30 | 2nd SESSION | RODENTICIDES FOR PROOF OF CONCEPT (Rafael) |
| | | Outputs on ARs from Stirling Meeting (Richard) |
| | | ARs of major concern for the agencies (EFSA, ECHA,) (Philippe Berny) |
| 16.30-17.00 | | COFFE BREAK |
| 17.00-18.30 | 2nd SESSION | Criteria for selection of ARs in the Proof of Concept: analytical, commercial, scientific, regulatory criteria must be discussed for each compound (Antonio and Rafael) |
| | | Think the number and the specific compounds to be proposed for the proof of concept. Justification on each compound selected must be stated. (Rafael and Antonio) |
| | | |
| Thursday 25 April | | MUSEO NACIONAL DE CIENCIAS NATURALES – MADRID (CSIC) |
| 09.00-11.00 | 3rd SESSION | INTERLABORATORY COMPARISON - QC: (Pilar Gómez, Antonio, Rafael, Richard) |
| | | European labs analyzing Anticoagulant Rodenticides in raptors (or wildlife) |
| | | Quality Control criteria in labs analyzing ARs to probe an interlaboratory comparison |
| | | Comparability of the analytical methods to be used in the proof of concept. How to interpret results already obtained with new proposed methods. |
| | | Think about how to do an interlaboratory comparison among selected labs |
| | | Think about the possibility to obtain financial support for interlaboratory comparison |
| | | Think about how to make the proposals as inclusive as possible among labs. Think about how to get the labs to pledge support |
| 11.00-11.30 | | COFFEE BREAK |
| 11.30-13.30 | 3rd SESSION | INTERLABORATORY COMPARISON - QC: Mechanics of delivery - who will make it happen? How to coordinate work/samples/analyses by lab? Linked STSMs? Timeline for delivery? |
| 13.30-14.30 | | LUNCH |

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| 14.30-16.30 | 4th SESSION | FORENSIC DIAGNOSIS IN AR SECONDARY POISONING (Antonio, Rafael, Philippe) |
| | | Think about excluding/including criteria to select species for monitoring purposes and for secondary poisoning diagnosis |
| | | Think about how to improve the obtention of information from carcasses to facilitate the presumptive diagnosis of secondary poisoning by ARs |
| | | Think about the panel of ARs to be analyzed in forensic samples |
| | | What about other no anticoagulant rodenticides? Are they a concern to be considered in raptors? |
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| 16.30-17.00 | | COFFEE BREAK |
| 17.00-19.00 | Forensic diagnosis in AR secondary poisonings (continuation of the 4th session) | |
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| Friday 26 April | | |
| MUSEO NACIONAL DE CIENCIAS NATURALES – MADRID (CSIC) | | |
| 08.30-10.30 | 5th SESSION | SHORT TERM SCIENTIFIC MISSIONS (STSMs) |
| | | Definition of the aims for the STSMs |
| | | Discussion and proposal of potential hosts for the STSMs |
| 10.30-11.00 | | COFFEE BREAK |
| 11.00-12.00 | 5th SESSION | Criteria required for the potential candidates for the STSMs |
| | | Dates to carry out the STSMs |
| | | Expected deliverables from the STSMs |



LIST OF PARTICIPANTS

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|-----------------------------|---|----------------|
| Philippe Berny | Vetagro Sup, Campus Veterinaire | France |
| Antonio J. García-Fernández | University of Murcia | Spain |
| Oliver Krone | Leibniz-Institut für Zoo- und Wildtierforschung | Germany |
| Arianna Aradis | ISPRA | Italy |
| Janos Deri | Hospital of Birds in Hortobagy | Hungary |
| Morten Elmeros | Aarhus University | Denmark |
| Silvia Espín | University of Murcia | Spain |
| Isabelle Fourel | VetAgro Sup | France |
| Andreia Freitas | INIAV | Portugal |
| Pilar Gómez-Ramírez | University of Murcia | Spain |
| Mikael Harju | Norwegian Institute for Air Research | Norway |
| Gabriella Leighton | IREC, Ciudad Real | Spain |
| Madis Leivits | Institute of Veterinary Medicine and Animal Science | Estonia |
| Rafael Mateo | IREC, Ciudad Real | Spain |
| Laura Monclús Anglada | University of Barcelona | Spain |
| Octavio Pérez Luzardo | University of Las Palmas de Gran Canaria | Spain |
| Linda Rusalepp | University of Tartu | Estonia |
| Elizabeth Sharp | Science and Advice for Scottish Agriculture (SASA) | United Kingdom |
| Richard Shore | Centre for Ecology and Hydrology | United Kingdom |
| Francisco Soler-Rodríguez | University of Extremadura | Spain |
| Pablo Sánchez Virosta | University of Turku | Finland |
| Irene Valverde Domínguez | University of Murcia | Spain |
| Zoran Žlabravec | University of Ljubljana | Slovenia |



PRACTICALITIES

Planning your trip.

Travel to Madrid should be easy and relatively cheap from most locations in Europe. Madrid airport has a variety of options to take you to the city centre. Once in Madrid, the metro is a very convenient transport to the museum. Gregorio Marañón and República Argentina are the closest stops to the venue. Since the meeting starts on Wednesday at 14:00, we would appreciate if you could arrive in Madrid the same day in order to have as many participants as possible by reducing accommodation costs.

The flat rate for accommodation for this meeting will be 120 € per night (the maximum allowed by COST). Please, book your accommodation as soon as possible once you receive the **official invitation**, as prices will raise as meeting dates approach. The local organiser will not coordinate hotel bookings in this case, so please feel free to choose any accommodation you wish.

Meals will be paid at 20 €. No lunch or dinner is going to be organised in advance. In Madrid it should be very ease to make a last-minute reservation at many restaurants for this number of participants, so we can decide where to eat without previous planning.

Venue.

The meeting will be held at the National Museum of Natural History. The complete address is: Calle de José Gutiérrez Abascal, 2, 28006 Madrid.





Residencia de Estudiantes

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Transporte público hasta la Residencia de Estudiantes

Metro

Gregorio Marañón (Líneas 7 y 10)
República Argentina (Línea 6)

Autobuses

Paradas en:
Calle Serrano:
buses 9, 16, 19 y 51
Paseo de la Castellana:
buses 7, 12, 14, 27, 40, 45, 147 y 150

Tren de Cercanías

Nuevos Ministerios

