



European Raptor
Biomonitoring Facility



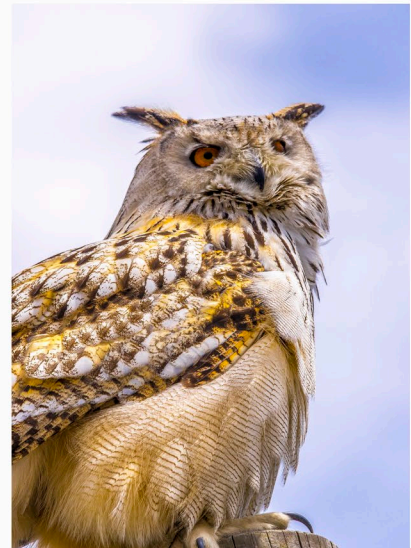
WG3 COLLECTIONS – VIRTUAL MEETING

THE ROLE OF COLLECTIONS FOR CONTAMINANT MONITORING IN RAPTORS ACROSS EUROPE – STATE OF PLAY AND NEXT STEPS

Thursday 11 February 2021, 14:00-17:30 CET

Friday 12 February 2021 14:00-17:15 CET

PROGRAMME



This event is organised by COST Action 16224 European Raptor Biomonitoring Facility and supported by COST

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CONTEXT

This meeting is convened under the auspices of COST Action 16224, [European Raptor Biomonitoring Facility \(ERBFacility\)](#), Working Group 3 (Collections Arena).





European Raptor Biomonitoring Facility COST Action 16224 (ERBFacility) is working across Europe to put in place a 'facility' which can deliver systematic data on contaminants in raptors. Such data can inform better chemicals management, and thereby reduce pressures on biodiversity and improve environmental and human health.

WG3 focuses on work with natural science collections in Europe including natural history museums, environmental specimen banks and research collections. The meeting also involves representatives of: ERBFacility Working Groups 1&2 (Analysis Arena) and Working Group 4 (Field Arena); the related EU-funded project [LIFE APEX](#), which is demonstrating the systematic use of contaminant data from apex predators and their prey for better chemicals management in Europe; and the [Distributed System of Scientific Collections \(DiSSCo\)](#).

MEETING OBJECTIVES

The meeting is set up to inform and inspire natural science collections to engage in pan-European contaminant monitoring. The programme is designed as a sequence of fairly rapid presentations, each followed by Q&A, in order to cover a range of issues including ongoing work within ERBFacility and related work by other initiatives, e.g. DiSSCo, LIFE APEX, and with a view to keeping the meeting as lively as possible.

More specifically, meeting objectives are:

-  To share work done towards a distributed European Raptor Specimen Bank (ERSpeB – WG3 Collections Arena), including: review of raptor collections, constraints; development of a raptor specimen database and links with DiSSCo; standards and protocols for collections; and shipping of samples (SESSIONS 2 AND 4).
-  To share work done within the context of LIFE APEX elucidating the importance of collections in the systematic use of contaminant data from apex predators for chemicals management (SESSION 3).
-  To share state of play on the European Raptor Biomonitoring Scheme (ERBioMS – WGs1&2 Analysis Arena) and European Raptor Sampling Programme (ERSamP – WG4 Field Arena) and consider links between the ERSpeB, ERBioMS and ERSamP to form a coherent ERBFacility (SESSION 5).
-  To share work done under ERBFacility on a Proof of Concept study with a focus on the role of collections (SESSION 6).

The meeting will also present a short video on the new Naturalis Biodiversity Center featuring **Edwin van Huis**, General Director, and two new ERBFacility videos targeted at collections:

-  PAN-EUROPEAN CONTAMINANT MONITORING IN RAPTORS AND THE ROLE OF COLLECTIONS*
-  GATHERING, STORING AND PREPARATION OF SAMPLES FOR CONTAMINANT ANALYSIS*

* The organisers thank all contributors to the videos (see video credits for details).

SPEAKERS in order of presentation

Paola Movalli (CHAIR), ERBFacility WG3 Lead & Ecotoxicologist, Naturalis Biodiversity Center, The Netherlands

Erik Smets, Scientific Director & Group Leader, Taxonomy, Systematics & Geodiversity, Naturalis Biodiversity Center

Guy Duke (Q&A MODERATOR), Chair ERBFacility & Honorary Research Associate, Environmental Change Institute, University of Oxford, UK

Gloria Ramello, ERBFacility mission holder, Museo Civico di Storia Naturale, Carmagnano, Italy

Rene' Dekker, Senior Researcher Ornithology, Naturalis Biodiversity Center

Dimitris Koureas, Coordinator DiSSCo, CIO Naturalis Biodiversity Center

Konstantinos Vlachopoulos, ERBFacility mission holder, PhD candidate, University of Thessaloniki, Greece
Jaroslav Slobodnik, Coordinator LIFE APEX & Director Environmental Institute, Slovakia
Jan Koschorreck, Staff Scientist, Federal Environment Agency (UBA), Germany
Alexander Badry, Doctoral student Leibniz Institute for Zoo and Wildlife Research (IZW) & Research Assistant UBA, Germany
Nikolaos S. Thomaidis, Professor of Analytical Chemistry, National and Kapodistrian University of Athens (NKUA), Greece
Nikiforos Alygizakis, Researcher, NKUA, Greece
Maria-Christina Nika, Postdoctoral Researcher, NKUA, Greece
Georgios Gkotsis, PhD Candidate, NKUA, Greece
Giuseppe Cicero, ERBFacility mission holder & Researcher, Università degli Studi di Palermo, Italy
Silvia Espín, Postdoctoral Researcher, University of Murcia, Spain
Jorgos Sbokos, ERBFacility mission holder, Lawyer & Associate Natural History Museum of Crete, Greece
Peter Hosner, Assistant Professor & Curator of Birds, Natural History Museum, Denmark
Al Vrezec, ERBFacility Vice-Chair & Senior Scientific Associate, National Institute of Biology & Curator, Slovenia Museum of Natural History, Slovenia
Chris Wernham, ERBFacility Lead WG4, Associate Director (Country Offices) & Head of BTO Scotland, UK
Lee Walker, ERBFacility Lead WG1 & Ecotoxicologist, Predatory Bird Monitoring Scheme, UKCEH, UK
Antonio García Fernández, ERBFacility Lead WG2 & Professor of Toxicology, University of Murcia, Spain
Rafael Mateo, ERBFacility Proof of Concept Coordinator & Director IREC/CSIC, Ciudad Real, Spain
Rui Lourenco, ERBFacility Proof of Concept Deputy Coordinator & Researcher, University of Evora, Portugal
Ana Lopez Antía, ERBFacility mission holder & Researcher, University of Antwerp, Belgium

PARTICIPANTS

Participants are drawn from our pan-European network and include curators and researchers from natural history museums, environmental specimen banks and other research institutes, ecotoxicologists, laboratory analysts and field ornithologists.

Around 100 participants from 28 countries have confirmed interest to join the meeting.

MEETING HOST

This virtual meeting is hosted by [Naturalis Biodiversity Center](#) in Leiden, The Netherlands. Naturalis is one of the world's top 5 natural history collections. Naturalis works to safeguard biodiversity. Research at Naturalis addresses key pressures on biodiversity, including habitat loss, overexploitation, climate change and pollution.

ORGANISING COMMITTEE

-  Paola Movalli (CHAIR), Lead Working Group 3 Collections, ERBFacility, Core Group Member and Member ERBFacility Management Committee & Ecotoxicologist, Naturalis Biodiversity Center
-  Guy Duke (MODERATOR), Chair ERBFacility & Honorary Research Associate, Environmental Change Institute, University of Oxford
-  René Dekker, Member ERBFacility Management Committee & Senior Researcher Ornithology, Naturalis Biodiversity Center
-  Silvia Espín, WG1&2 Team ERBFacility & Postdoctoral Researcher, University of Murcia, Spain
-  Pablo Sánchez-Virosta (ZOOM HOST), Administrator, ERBFacility Grant Holder & WG1&2 Team ERBFacility & Postdoctoral Researcher, University of Murcia, Spain

ZOOM INFORMATION

- 👁️ We will start the workshop at 14:30 CET each day but the Zoom link will be available from 14:00 should you want to test your computer settings. **Please join at least 5 minutes before the meeting as we will start at 14:30 CET sharp.**
- 👁️ Speakers, please try to ensure they have a good microphone (ideally use a headset with a microphone) and a web cam so that we can see you, if at all possible. The Q&A Moderator will pass you the microphone for your session.
- 👁️ We will run a short Q&A at the end of each presentation through the Chat function in Zoom. Please enter any questions you may have in Chat during or immediately after the presentation. The Q&A Moderator will review questions and present them to speakers for responses. As we expect over 100 participants, it will not be possible to run oral Q&A. Participants will be placed on MUTE by the Zoom Host.
- 👁️ If you have any problems connecting, please email Pablo (pablo.s.v@um.es) and we will do all we can to help.
- 👁️ **Please note that the meeting will be recorded.**
- 👁️ **For Zoom links, please see the version of this programme emailed to invited participants**



DAY 1 – THURSDAY 11 FEBRUARY 14:30-17:30 CET

14:00 – 14:30	ZOOM LINK OPEN (SEE BOX ABOVE) – CONNECT TO TEST YOUR SETTINGS!
SESSION 1	OPENING
14:30	Opening, meeting procedures Paola Movalli (CHAIR), ERBFacility WG3 Lead & Ecotoxicologist, Naturalis Biodiversity Center, The Netherlands
14:35	Welcome to Naturalis VIDEO featuring Edwin van Huis , General Director Naturalis Biodiversity Center
14:40	Welcome address Erik Smets , Scientific Director & Group Leader, Taxonomy, Systematics & Geodiversity, Naturalis Biodiversity Center
14:50	Introduction to ERBFacility Guy Duke , Chair ERBFacility & Honorary Research Associate, Environmental Change Institute, University of Oxford, UK
15:00	Introduction to ERBFacility Working Group 3 (Collections) Paola Movalli
15:10	Monitoring contaminants in raptors for better chemicals management in Europe – The role of natural science collections – VIDEO
SESSION 2	ERBFACILITY: WG3 PROGRESS TOWARDS A DISTRIBUTED EUROPEAN RAPTOR SPECIMEN BANK (ERSpeB)
15:20	Session introduction, WG3 missions Paola Movalli
15:25	Review of raptor collections Gloria Ramello , ERBFacility mission holder, Museo Civico di Storia Naturale, Carmagnano, Italy and Rene’ Dekker , Senior Researcher Ornithology, Naturalis Biodiversity Center Q&A
15:45	DiSSCo and a European Raptor Specimen Database Dimitris Koureas , Coordinator DiSSCo, CIO Naturalis Biodiversity Center and Konstantinos Vlachopoulos , ERBFacility mission holder, PhD candidate, University of Thessaloniki, Greece Q&A
16:05 – 16:15	COFFEE BREAK
SESSION 3	LIFE APEX: THE IMPORTANCE OF COLLECTIONS IN THE SYSTEMATIC USE OF CONTAMINANT DATA FROM APEX PREDATORS FOR CHEMICALS MANAGEMENT
16:15	Session introduction: ERBFacility and LIFE APEX Paola Movalli
16:20	LIFE APEX and the contribution of natural science collections to pan-European contaminant monitoring in apex predators Jaroslav Slobodnik , Coordinator LIFE APEX & Director Environmental Institute, Slovakia Q&A
16:40	The regulatory importance of raptor monitoring data Jan Koschorreck , Staff Scientist, Federal Environment Agency (UBA), Germany and Alexander Badry , Doctoral student Leibniz Institute for Zoo and Wildlife Research (IZW) & Research Assistant UBA, Germany Q&A
17:00	HRMS wide-scope target and suspect screening methodologies for the monitoring of emerging contaminants in raptors Nikolaos S. Thomaidis , Professor of Analytical Chemistry, Nikiforos Alygizakis , Researcher, Maria-Christina Nika , Postdoctoral Researcher and Georgios Gkotsis , PhD Candidate, National and Kapodistrian University of Athens (NKUA), Greece Q&A
17:20 – 17:30	WRAP UP DAY 1 Paola Movalli & Guy Duke



DAY 2 – FRIDAY 12 FEBRUARY 14:30-17:15 CET

14:00 – 14:30	ZOOM LINK OPEN (SEE BOX ABOVE) – CONNECT TO TEST YOUR SETTINGS!
SESSION 4	ERBFACILITY: WG3 PROGRESS TOWARDS A DISTRIBUTED EUROPEAN RAPTOR SPECIMEN BANK (ERSPEB)
14:30	Opening and session introduction – WG3 missions Paola Movalli
14:40	Standards and protocols for receiving, storing and processing raptor carcasses and extracting tissue samples – including VIDEO Giuseppe Cicero, ERBFacility mission holder & Researcher, Università degli Studi di Palermo, Italy and Silvia Espín, Postdoctoral Researcher, University of Murcia, Spain Q&A
15:15	International shipping of raptor samples Jorgos Sbokos, ERBFacility mission holder, Lawyer & Associate Natural History Museum of Crete, Greece and Peter Hosner, Assistant Professor & Curator of Birds, Natural History Museum, Denmark Q&A
SESSION 5	ERBFACILITY: PROGRESS ON A EUROPEAN RAPTOR BIOMONITORING SCHEME (ERBioMS), A EUROPEAN RAPTOR SAMPLING PROGRAMME (ERSamP) AND LINKS WITH THE EUROPEAN RAPTOR SPECIMEN BANK
15:35	Session introduction Al Vrezec, ERBFacility Vice-Chair & Senior Scientific Associate, National Institute of Biology & Curator, Slovenian Museum of Natural History, Slovenia
15:40	Summary of objectives and state of play for ERSamP and links to ERSpeB Chris Wernham, ERBFacility Lead WG4 & Associate Director (Country Offices) & Head of BTO Scotland, UK Q&A
16:00	Summary of objectives and state of play for ERBioMS and links to ERSpeB Lee Walker, ERBFacility Lead WG1 & Ecotoxicologist, Predatory Bird Monitoring Scheme, UKCEH, UK and Antonio García Fernández, ERBFacility Lead WG2, Professor of Toxicology, University of Murcia, Spain Q&A
16:20 – 16:30	COFFEE BREAK
SESSION 6	ERBFACILITY: PROOF OF CONCEPT STUDY
16:30	Session introduction Al Vrezec
16:35	ERBFacility Proof of Concept study and results of the survey of frozen samples of priority raptor species across Europe Rafael Mateo, ERBFacility Proof of Concept Coordinator & Director IREC/CSIC, Ciudad Real, Spain, Rui Lourenco, ERBFacility Proof of Concept Deputy Coordinator & Researcher, University of Evora, Portugal and Ana Lopez Antía, ERBFacility mission holder, Researcher, University of Antwerp, Belgium Q&A
17:55	WRAP UP DAY 2 & NEXT STEPS Paola Movalli & Guy Duke
17:15	END

