



European Raptor Biomonitoring Facility

WORKING GROUP 3 (COLLECTIONS ARENA)

WORKING GROUP MEETING

Review of Raptor Collections & Scoping a Framework for a Distributed European Raptor Specimen Bank (ERSpeB)

Monday 10 December 14:00 to Tuesday 11 December 12:30

[Royal Belgian Institute of Natural Sciences](#), 29 Rue Vautier, 1000 Brussels

MEETING ROOM GILSON

PROGRAMME



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MONDAY 10 DECEMBER

Time	Item	Name
13:30	<i>Registration</i>	
14:00	Welcome from RBINS	Didier Vangeluwe Olivier Pauwels
14:10	Welcome from WG3 Chair, brief round table of participants	Paola Movalli
14:30	Introduction to ERB Facility	Guy Duke
14:45	Introduction to WG3 – objectives, key tasks	Paola Movalli
15:00	Review of raptor collections (Task 3.1) – purpose, method, results from the questionnaire	René Dekker Gloria Ramello
15:40	<i>Refreshments</i>	
15:50	Discussion of review results and implications for a distributed European Raptor Specimen Bank (ERSpeB) (Task 3.2) Results and implications: <ol style="list-style-type: none"> 1. receipt/collection and storage of fresh specimens 2. constraints to receipt/ collection, processing and storage of fresh specimens 3. historical archives, digitization 4. related studies Next steps to finalise the review	Panel: Paola Movalli, René Dekker Gloria Ramello Guy Duke
17:20	Wrap-up Day 1 and looking forward to Day 2	Paola Movalli René Dekker Guy Duke
17:30	Tour of the bird and other collections	Didier Vangeluwe Olivier Pauwels
18:30	Close	
19:45	<i>Dinner at Lasagna Tiramisu, Rue de Page 31, 1050 Ixelles</i>	

TUESDAY 11 DECEMBER

Time	Item	Name
09:15	<i>Arrival</i>	
09:30	Introduction to developing a framework for an ERSpeB (Task 3.2) <ul style="list-style-type: none"> - task description, timeframe, resources, - benefits of an ERSpeB – for science, regulation 	Paola Movalli
09:45	Discussion of the issues to be considered in developing the framework (Task 3.2, 3.3, 3.4): <ul style="list-style-type: none"> - metadatabase, standardised metadata (building on data from Review of Raptor Collections) (Task 3.3) - collecting priorities (in relation to the ERBFacility WGs 1&2 needs and WG4 possibilities) – which species, filling gaps, avoiding duplication, etc. - constraints related to gathering, transport, processing and storing samples for contaminant analysis, measures to resolve constraints - any need for and potential to establish new (regional) collections - principles for access to and use of samples - best practice guidance on using specimens for biomonitoring (Task 3.4) - metrics to measure value and impact of the ERSpeB 	Panel: Paola Movalli René Dekker Guy Duke
11:00	<i>Refreshments</i>	
11:15	Next steps to develop the framework for the ERSpeB (GP2-GP3 to 30/4/20) <ul style="list-style-type: none"> - STSMs - how many, can we already specify scope(s), host(s), applicants? - Meetings – what WG3 meeting(s) do we need in Grant Period 3 (1/5/19-30/4/20)? - Papers/Reports 	Paola Movalli
12:15	Wrap-up	Paola Movalli René Dekker Guy Duke
12:30	<i>Sandwich lunch</i>	
13:30	CLOSE	

ANNEX

WG3: Research coordination and capacity building in the 'Collections Arena'

(Text from the ERB Facility [MoU](#))

Objective R2: To develop a framework for a distributed European Raptor Specimen Bank (ERSpeB) for contaminant monitoring. Existing raptor specimen collections in NHMs and ESBs have only in a very few cases been made with contaminant monitoring in mind; those collections which are designed to meet contaminant monitoring needs are national in scale (e.g. UK Predatory Bird Monitoring Scheme [Walker et al. 2008]). There is therefore a need to develop an ERSpeB framework to link and expand existing collections and, where appropriate, propose new regional collections, to meet ERBioMS needs.

Objective C2: To build capacity in the 'collections arena' through networking and collaboration among ecotoxicologists and raptor collections (NHMs, ESBs, etc), including through: **(a)** constructing a *meta-database* of existing raptor specimens and of any existing related contaminant data, and stimulating digitisation of collections, to enhance access and use for contaminant monitoring; **(b)** stimulating expansion of raptor collections. Construction of the database will involve developing standards for digital description and online publication of raptor samples and related data, and developing systems and protocols for web-based exchange, analysis and visualization (mapping) of these data.

WG3 tasks, milestones and deliverables		
Tasks	Month	
T3.1	1-24	Review existing raptor collections in Europe. This will include consideration of: (a) existing collections; (b) current collecting activities; (c) storage facilities; (d) current provision for research access to collections, samples exchange; (e) constraints to collection, transport and storage of samples.
T3.2	12-36	Develop framework for a distributed European Raptor Specimen Bank (ERSpeB) for contaminant monitoring. This will include consideration of: (a) collecting priorities (in relation to needs emerging from the frameworks being developed by WGs1&2); (b) potential for collections to accept new specimens from the field arena; (c) sources for new specimens (in relation to WG3 field arena); (d) storage needs; (e) potential to establish new (regional) collections; (f) enhanced provision for research access to collections; (g) measures to resolve constraints to collection, transport, storage of samples.
T3.3	18-45	Design and construct a <i>meta-database</i> (linked to IPCheM) of existing raptor specimens and of any related contaminant data. This will involve: (a) developing standards for the digital description and online publication of raptor samples and related data; (b) developing systems and protocols for web-based exchange, analysis and mapping of this data; (c) stimulating digitisation of collections.
T3.4	30-45	Develop guidance on using raptor specimens in collections for biomonitoring.

Milestones		<i>M/WS = meeting/workshop; STSM = Short-Term Scientific Mission</i>
M3.1	6	M/WS1: WG workplanning
M3.2	9	STSM5: Considerations for development of a framework for a distributed European Raptor Specimen Bank.
M3.3	18	M/WS2: Framework for a distributed ERSpeB
M3.4	20	STSM6: Meta-database design.
M3.5	24	M/WS3: Meta-database design (1)
M3.6	30	M/WS4: Meta-database development (2)
M3.6	36	STSM7: Development of guidance on use of NHM/ESB samples.
M3.7	39	Training School: Collections and field arenas (joint school with WG4)
M3.8	40	M/WS5: Meta-database finalisation, guidance on use of specimens (3)
Deliverables		
D3.1	24	Report & peer reviewed paper on existing collections in Europe, constraints.
D3.2	36	Technical specs and peer-reviewed paper on ERSpeB framework.
D3.3	42	Meta-database of raptor specimens, linked to IPCheM.
D3.4	45	Guidance on use of NHM and ESB collections for contaminant monitoring.
D3.5	45	Report on network of collaborating collections (NHMs, ESBs, etc.)