



European Raptor Biomonitoring Facility



WG4 Florence workshop

ERSamP

Best Practice Guidance

Introduction to Capacity Building

WG4 Florence workshop - Objectives

- Consider further the structure of ERSamP (the European Raptor Sampling Programme framework) and consolidate the draft documentation THURSDAY
- Consolidate our work on constraints to effective operation of ERSamP and discuss and document possible solutions/mitigating actions. THURSDAY
- Consolidate our work on generic guidance for (a) collection of samples for contaminants analysis and (b) supporting contextual data. THURSDAY
- ➤ Begin discussions around the range of participant types ('actors'), both individuals and organisations, that we need to engage in order for ERSamP to be effective, and document ideas on their needs and how to motivate them to take part. FRIDAY
- ➤ Consider the potential for proof of concept case studies to test one or more pathways for the collection of new samples for analysis. FRIDAY & SCOTLAND MEETING

European Raptor Biomonitoring Facility





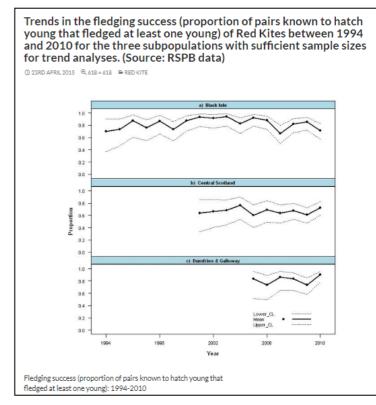




Session 1

- Basic obligatory data about the matrix sample collected (e.g. date, time, location, collector's name, species, sample type, type of feather, ring number, unique individual ID)
- 2. Data about the individual bird / pair from which the sample is taken (age, sex, condition, body measurements, diet, breeding performance, movements tracked birds, behavioural observations e.g. aggressiveness, unexpected observations e.g. abnormalities)
- 3. Data about the population of birds from which samples are taken (e.g. population trends, breeding productivity and trends, timing of breeding and trends, population diet, population movements relevant contaminant source area)
- 4. Relevant environmental data (e.g. local sources of contamination, local cropping/land management, photos of immediate surroundings)



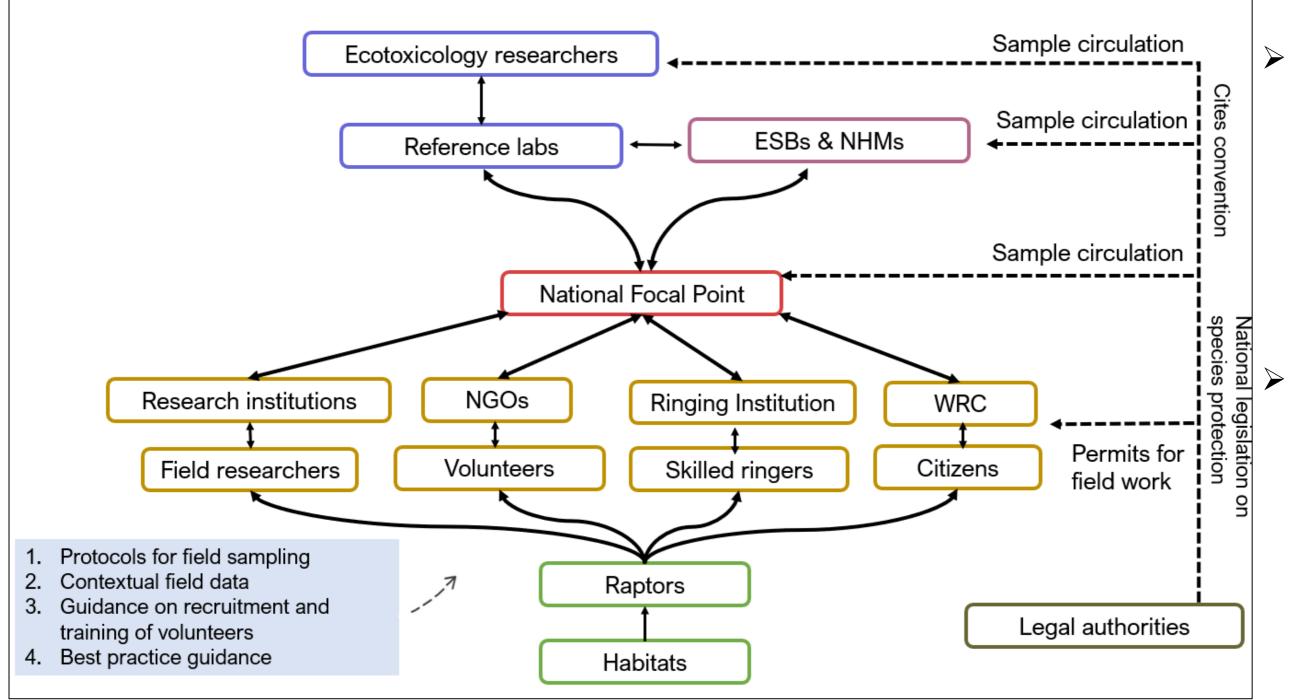


| Thursday 7 March | | |
|------------------|---|--|
| 14:00 – 14:30 | Introduction to Workshop and plan for the sessions | Chris Wernham |
| 14:30 – 14:45 | Structure of ERSamP, including how the guidance fits in (generic and species-specific). With time for discussion | Chris Wernham & Rui Lourenço |
| 14:45 -15:00 | Constraints already identified | Rui Lourenço & Maria Dulsat Masvidal |
| 15:00 – 16:00 | Break-out groups to discuss the framework and in particular solutions to constraints (45 minutes + 15 minutes feedback) | Led by Rui Lourenço & Maria Dulsat Masvidal |
| 16:00 – 17:00 | Break-out groups to discuss any extra work required on generic guidance – contextual data | Introduced by Chris Wernham |
| 17:00 | END OF DAY 1 | |
| 19:30 | Meet for dinner in the city – who would like to meet? | |

| Friday 8 March | | |
|--|---|----------------------------------|
| 09:00 – 09:30 (WE MAY START A BIT LATER) | Introduction to the day and consideration of field | Chris Wernham |
| | actors (and collection of different sample | |
| | types/contextual data types) | |
| 09:30 – 09:45 | Example of one group of actors (ringers) – what we | Abbie Maiden |
| | know already or will know from the ringing review | |
| 09:45 – 10:00 | What the Derlink review tells us about the availability | Al Vrezec |
| | of other field actors across Europe | |
| 10:00 – 10:15 | Moving towards proof of concept study(ies) for testing | Rafael Mateo –refresh of ideas |
| | the collection of new data | |
| 10:15 – 11:00 | Plenary discussion and introduction to break-out | Led by Chris Wernham |
| | groups | |
| 11:00 – 11:15 | SHORT COMFORT BREAK | |
| 11:15 – 12:00 | Break-out groups to work through scenarios focusing | |
| | on different groups of actors – 3 possible groups | |
| | (carcass collection/blood sampling/collection of | |
| | population and demographic data) – who would need | |
| | to be involved and how would we achieve it? | |
| 12:00 – 12:30 | Feedback from Groups | |
| 12:30 – 14:00 | LUNCH BREAK | |
| Friday 8 March | | |
| 14:00 – 16:00 | Further discussion of work for GP3 – STSMs; Slovenia | Led by Chris Wernham & Al Vrezec |
| | meeting objectives and programme; proof of concept | |
| | study development | |
| 16:00 – 16:30 | SUMMING UP & CLOSE OF WORKSHOP | Chris Wernham |

Session 1 - European Raptor Sampling Programme (ERSamP)





- The collection of the right samples from the right locations at the right times
- Standards and protocols to ensure harmonised sampling methods and recording of contextual data

European Raptor Sampling Programme (ERSamP)

- > Vision and overall objectives of the Sampling Programme
- Focal contaminant types, sample types, traits/species and geographical areas (sample sizes)
- ➤ Generic **best practice guidance sampling protocols** Espin *et al.* EURAPMON enhanced
- > Generic best practice guidance collection of contextual data
 - ➤ data relevant to individual sample (e.g. date, time, species, age, sex, location etc essential)
 - > data relevant to individual bird (e.g. breeding success, movements)
 - ➤ data relevant to population (e.g. population trends, timing of breeding productivity, survival, movements) e.g. Hardey et al. Raptors a Field Guide to Survey and Monitoring
 - > environmental data (e.g. known contaminant sources; local land use)
- > Project- and species-specific best practice guidance (e.g. falcons; vultures)
- > People and institutions available to collect samples and contextual data in the field
- Generic best practice guidance on how to engage / motivate / train field participants by actor group
- > Project-specific guidance for involving people in the field e.g. for proof of concept studies
- > Consideration of national ambassadors / coordinators / focal points



- The collection of the right samples from the right locations at the right times
- Standards and protocols to ensure harmonised sampling methods and recording of contextual data

1. Legal constraints

(relating to the legislation for handling and sampling raptors and moving samples around – focus on within country movements)

2. Methodological constraints

(relating to best practice guidance for sampling and collecting contextual data and its availability)

3. Constraints posed by spatial distribution of monitoring coverage

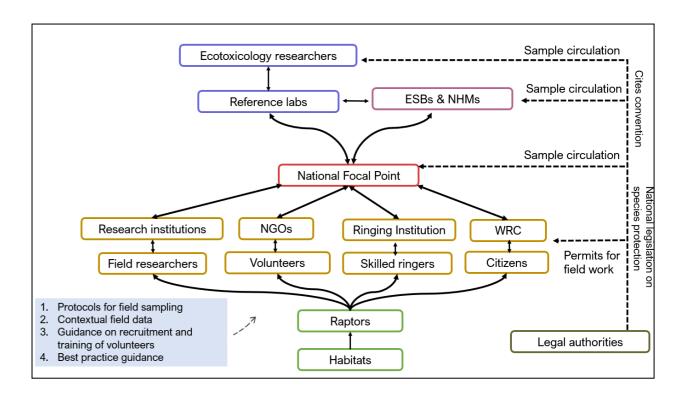
(use of information from Gomez-Ramirez et al. and Derlink et al. EURAPMON inventory work)

4. Constraints posed by need for skills and knowledge in the field

(which types of field participants could help collect samples)



Session 2 Constraints and solutions work



Session 3
Best practice guidance

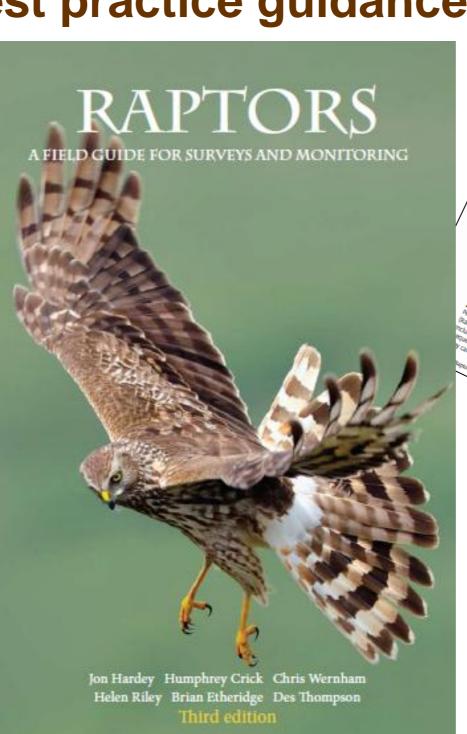


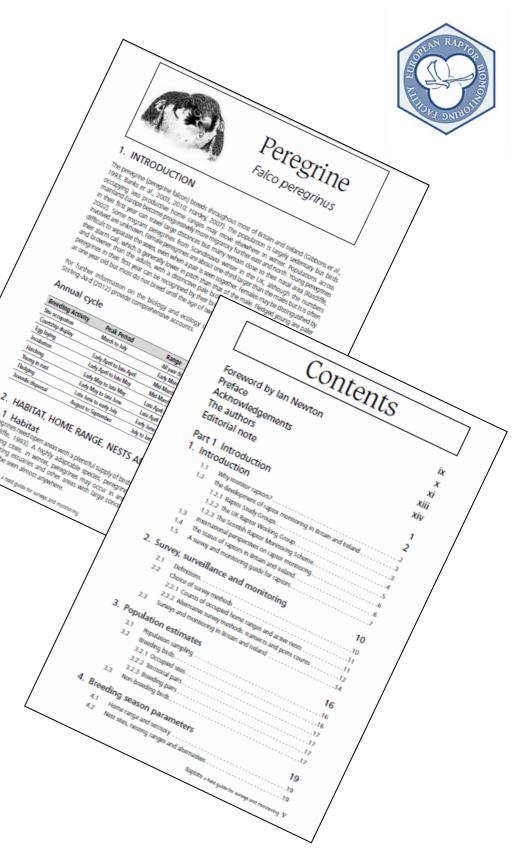
ANNEX II

ANNEX II

PROTOCOL FOR TAKING BIOLOGICAL AND PARASITOLOGICAL ANALYSIS

TOXICOLOGICAL AND PARASITOLOGICAL ANALYSIS





Best practice guidance – generic and falcons

Feedback to capture >>>>>

Any furthers offers of help with this or other guidance?







European Raptor Biomonitoring Facility



WG4 Florence workshop

Friday 8 March

Consolidation of knowledge about available field participants

Thinking about capacity building / skills development

Planning for WG4 in GP3

| Friday 8 March | | |
|---|---|---------------------------|
| 09:30 – 09:45 | Introduction to the day and consideration of field | Chris Wernham |
| | actors (and collection of different sample | |
| | types/contextual data types) | |
| 09:45 – 10:00 | Example of one group of actors (ringers) – what we | Abbie Maiden |
| | know already or will know from the ringing review | |
| 10:00 – 10:15 | What the Derlink review tells us about the availability | Al Vrezec |
| | of other field actors across Europe | |
| 10:15 – 10:30 | Moving towards proof of concept study(ies) for testing | Rafael Mateo (tbc) |
| | the collection of new data | |
| 10:30 – 10:45 | Feedback from first discussion on field training | Al Vrezec |
| | | |
| 10:45 – 11:00 | Plenary discussion / introduction to break-out groups | Chris Wernham |
| | | |
| 11:00 – 11:30 | COFFEE | |
| 11:30 – 12:15 | Break-out groups - scenarios focusing on different | Facilitated by |
| 12:15 – 12:30 Feedback (or after lunch) | groups of actors – 3 possible groups (carcass | |
| | collection/blood sampling/collection of population | |
| | and demographic data) – who would need to be | |
| | involved and how would we achieve it? | |
| 12:30 – 14:00 | LUNCH BREAK – PICNIC LUNCH | |
| Friday 8 March | | |
| 14:00 – 16:00 | Further discussion of work for GP3 – STSMs; Slovenia | Chris Wernham & Al Vrezec |
| | meeting objectives etc | |
| 16:00 | CLOSE OF WORKSHOP | Chris Wernham |

WG4 Field Arena - Tasks



| T4.1 Develop framework for European Raptor Sampling Framework (ERSampP) (a) focal species & sample matrices (b) existing sampling coverage and gaps (c) opportunities to fill gaps (d) contextual data for interpretation of contaminant exposure | Grant Period 1-2 First draft by April 2019 |
|--|--|
| T4.2 Review key constraints (legislative/practical) to activities (e.g. nest visits, transfer of samples between countries) for sampling and contextual data; identify how to resolve constraints | Grant Period 1-3 Mission by April 2019 |
| T4.3 Develop best practice guidance and protocols for raptor sampling and contextual data capture; trial with one or more case study species from several European countries; review and amend as appropriate; disseminate guidance and protocols | Grant Period 2-3 Mission by April 2019 Vulture Task Group 2 Missions in 2019 |
| T4.4 Expand stakeholder involvement in raptor sampling and contextual field data gathering - assessing potential; identifying ways to involve more professional and amateur ornithologists in raptor biomonitoring (working with NGOs and raptor ecologists in the network); developing guidance on recruitment and training | Grant period 3-4 Mission in 2019 Workshop in 2019 Training school |
| T4.5 Deliver proof of concept involving, for a case study focal species (or group of species), applying the framework, guidance and protocols to collect new raptor samples and contextual field data through existing and/or novel networks | Grant period 3-4 Workshop in 2019 Funding discussions Missions |

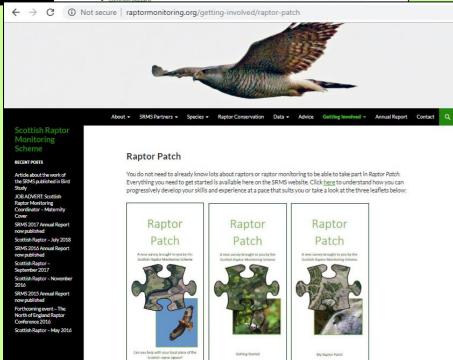


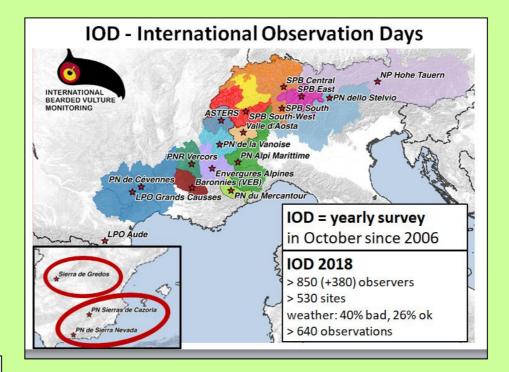
WG4 – Capacity Building (and developing guidance)

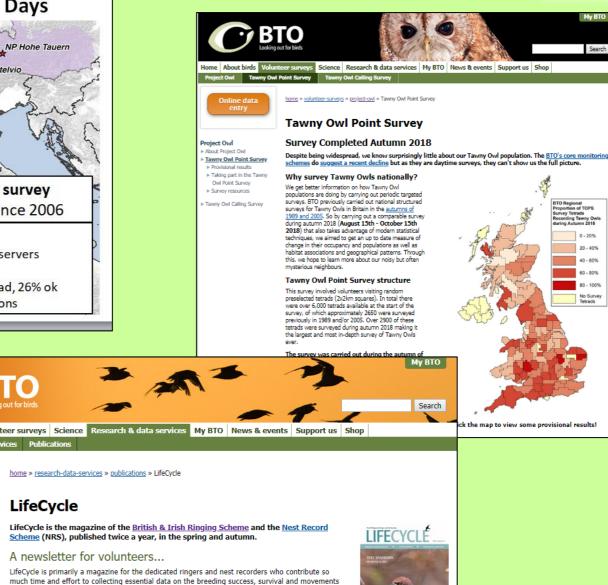
Review existing relevant projects and share experiences in recruiting, motivating and training volunteers

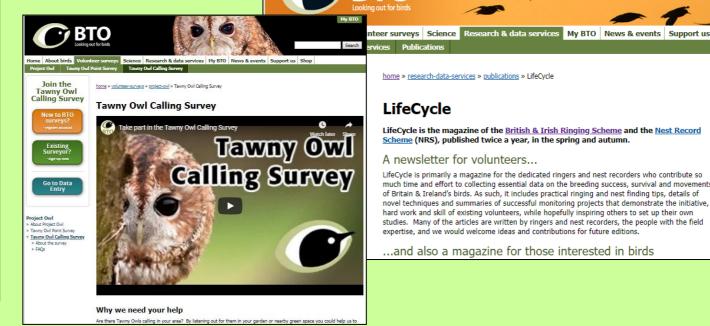












WG4 – Capacity Building (and developing guidance)

Thinking about the different sorts of field participants and answering some questions

What sort of people fit into the different categories?

What are their motivations for doing what they do in the field?

How are they currently coordinated – how do we reach them to encourage them to participate?

What guidance and training will they require to take a more active role in ERSamP?

What feedback will they require to keep them engaged?

Which key people and organisations must we involve in future workshops and work areas?





WG4 Field Arena

Grant period 3 (May 2019 – April 2020)



WG4 Field Arena

3 or 4 short-term missions in GP3

- 1. Develop guidance for training and volunteer recruitment (and plan the Slovenia meeting)
 - 2. Best practice guidance for vultures
- 3. Best practice guidance for species group(s) for proof of concept study
- 4. Plan and coordinate field data collection/collectors for proof of concept study



WG4 Team

WG4 Field Arena



Management of WG4 work programme

Chris Wernham
Al Vrezec
Rui Lourenço
Arianna Aradis
András Kovács
Yael Choresh
Stavros Xirouchakis
Ulf Johnasson

WG4 Task Groups

Vulture guidance Jovan Andevski Rafa Mateo

STSM Mission hosts Giacomo Dell'Omo Jari Valkama Rui Lourenço



WG4 Corresponding members including other WG Leads

Please register your interest with any WG4 member!





Thanks!