CONTEXTUAL DATA

- Definition
- Data types
- Constraints
- Guidance

CONTEXTUAL DATA

- Definition

Information on the individual, its population, and the environment where it lives that is relevant to the interpretation of data on contaminant exposure

CONTEXTUAL DATA

- Data types

1) Basic individual/specimen information

2) Relevant individual data

3) Population data

4) Environmental data

ID	Basic contextual data	Example	Specific skills needed	Live bird handling	Guidance need	Expected constraints
1	**Date**	Day/month/year	NO	NO	NO	None
2	**Descriptive location**	Village, municipality, district, country	NO	NO	NO	None
3	**Name of the collector**	ID/Anonymous	NO	NO	NO	None
4	**Raptor species**	Subspecies also identified if possible	YES/NO	NO	YES	Lack of experience in raptor identification (specially for shed feathers and eggs)
5	**Dead/ alive/ other**	If dead mention fresh or decomposed/ If other mention egg, pellet, shed feather	NO	YES/NO	NO	None
6	**Matrix sample**	Tissue, organ, blood (were blood was taken from)	NO	YES/NO	NO	None
7	**Type of feather**	Primary (and number), secondary, tail, breast, back, rump, nestling down	YES	YES/NO	YES	Lack of experience in feather identification
8	**Ring number (if ringed)**	Ring number with Ringing Centre Code and country, (ringing session or found dead ringed)	YES/NO	YES/NO	YES	Lack of information and experience
9	**Coordinates**	X and Y coordinates obtained by GPS or Google maps	NO	NO	NO	None

ID	Individual contextual data	Example	Specific skills needed	Live bird handling	Guidance need	Expected constraints
10	**Age**	Nestling age in days, Euring age codes (1,2,3,4)	YES	YES	YES	Lack of experience in age identification
11	**Sex**	Female, male, unknown	YES	YES	YES	Lack of experience in sex identification
12	**Morph/ plumage pattern**	dark/ light morph	YES	YES/NO	YES	Lack of experience
13	**Photos**	Photo of the individual, carcass, nestlings, injuries, etc.	NO	NO	YES	None
14	**Condition of the bird (if alive)**	Injured, healthy, emaciated	YES	YES	YES	Lack of experience in evaluating bird condition and use of different criteria
15	**Body measurements**	Wing length, weight	YES	YES	YES	Lack of experience and time
16	**Diet**	Prey composition, diet diversity, trophic level	YES	NO	YES	Lack of experience and time
17	**Reproductive performance**	Clutch size, hatching success, breeding success, etc.	YES	YES/NO	YES	Lack of experience and time
18	**Behavioural data**	Movement behaviour (marking or tracking), aggressiveness, other behavioural parameters	YES	YES/NO	YES	Lack of information, experience and time
19	**Blood slide for biomarkers**	Endoparasites, cell count	YES	YES	YES	Lack of experience

ID	Population contextual data	Example	Specific skills needed	Live bird handling	Guidance need	Expected constraints
20	**Population trends**	long- or short term trends in population size or abundance	YES	NO	YES	No monitoring schemes
21	**Population reproductive performance**	Mean reproductive parameters for the population	YES	NO	YES	No monitoring schemes
22	**Population diet**	General diet of population	YES	NO	YES	No monitoring schemes
23	**Behavioural data**	Migration patterns, mean home range	YES	YES/NO	YES	No monitoring schemes

ID	Environmental contextual data	Example	Specific skills needed	Live bird handling	Guidance need	Expected constraints
24	**Land use**	Land use and practices	NO	NO	NO	Difficulty to determinate in the field and in the office (satellite image)
25	**Water and soil**	Samples of water and soil near the nest site	YES	NO	NO	Lack of experience and time/ No protocols
26	**Contamination sources in the area**	Industry, hunting sites, contaminated water course	NO	NO	NO	Lack of information
27	**Bait (specific for poisoning events)**	Collecting remain baits, especially if poison is observed	YES (police forces)	NO	NO	Not foreseen in police protocols for poisoning events
28	**Entomofauna (specific for poisoning events)**	Insects that consume the carcass and soil below the cadaver	YES (police forces)	NO	NO	Not foreseen in police protocols for poisoning events

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CONTEXTUAL DATA

- Constraints & Solutions

1) Need for best practice guidance (harmonise protocols)

2) Capacity building (lack of experience)

3) Promoting monitoring programs 

4) Priorise sampling of individuals with more contextual data available

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Workshop 2 – WG4 – BEST PRACTICE GUIDANCE

CONTEXTUAL DATA

- Guidance

  - When and how to collect each contextual data
  - Harmonise methods and procedures

1) Basic individual/specimen information
2) Relevant individual data
3) Population data
4) Environmental data

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