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Third workshop on reporting under Resolution No. 8 (2012) of the Bern Convention

Paris

Convention de Berne
Bern Convention



Réseau Émeraude
Emerald Network

Comments on trial reports submitted in May 2019

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Introduction

- Reports received from 7 countries mostly via the EEA's CDR web-platform
- Focus on internal coherence
- Not a check of the contents
- A selection – not comprehensive



Overall assessment of Conservation Status for habitats & non-bird species based on the 4 parameters

10.5 Overall assessment of conservation status

Give the result of the overall assessment of conservation status using the four categories available: "favourable", "unfavourable-inadequate", "unfavourable-bad" and "unknown", based on the evaluation matrix for assessing conservation status for a species.

Status of parameters	All "favourable", or three "favourable" and one "unknown"	One or more "inadequate", but no "bad"	One or more "bad"	Two or more "unknown" combined with "favourable" or all "unknown"
Overall assessment of CS	"favourable"	"unfavourable-inadequate"	"unfavourable-bad"	"unknown"

From page 46 of the guidelines



Habitats

country	region	Habitat code	range	area	Structure & functions	Future prospects	Conclusion
CH	ALP	D4.1	FV	U1	U1	U1	U1
CH	CON	D4.1	FV	U1	U2	U2	U2
CH	ALP	G1.A4	FV	FV	FV	FV	FV
CH	CON	G1.A4	FV	FV	FV	FV	FV
GE	BLS	B1.6	U1	U1	XX	XX	XX
NO	BOR	D4.1	FV	U2	U2	U1	U1
NO	BOR	G1.6	FV	U1	XX	U1	U1
RU	CON	G1.6	FV	FV	FV	FV	FV
RU	BLS	G1.6	FV	FV	FV	FV	FV
RU	ALP	G1.6	U1	U1	U1	U1	U1
RU	BOR	G1.A4	U1	U1	U1	U1	U1
RU	CON	G1.A4	U1	U1	U1	U1	U1
RU	ALP	G1.A4	U1	U1	U1	U1	U1
RU	STE	G1.A4	U1	U1	U1	U1	U1
RU	BLS	G1.A4	FV	FV	FV	FV	FV
RS	ALP	G1.6	FV				
UA	ALP	D4.1	U1	U1	U1	U1	U1
UA	CON	D4.1	U1	U1	U1	U1	U1
UA	CON	C1.25	U2	U2	U2	XX	U2
UA	PAN	C1.25	U2	U2	U2	XX	U2
UA	ALP	C1.25	U2	U2	U2	XX	U2
UA	STE	C1.25	U2	U2	U2	XX	U2



Non-bird species

country	Region	Species code	species name	range	population	habitat	future	conclusion
CH	ALP	1308	<i>Barbastella barbastellus</i>	U1	U1	FV	XX	XX
CH	ALP	1193	<i>Bombina variegata</i>	U1	U2	U2	U2	U2
CH	CON	1193	<i>Bombina variegata</i>	U1	U2	U2	U2	U2
CH	CON	1014	<i>Vertigo angustior</i>	U2	U2			
GE	ALP	2098	<i>Paeonia tenuifolia</i>	FV	XX	U1	XX	XX
GE	STE	2098	<i>Paeonia tenuifolia</i>	FV	XX	U1	XX	XX
MD	STE	1060	<i>Lycaena dispar</i>	U1	U1	FV	U1	U1
NO	ATL	6216	<i>Drepanocladus vernicosus</i>	XX	XX	XX	XX	XX
NO	ATL	1096	<i>Lampetra planeri</i>	XX	XX	XX	XX	XX
NO	BOR	1096	<i>Lampetra planeri</i>	XX	XX	XX	XX	XX
RU	ALP	1902	<i>Cypripedium calceolus</i>	U1	U1	U1	U1	U1
RU	BOR	1902	<i>Cypripedium calceolus</i>	U1	U1	U1	U1	U1
RU	CON	1902	<i>Cypripedium calceolus</i>	U1	U1	U1	U1	U1
RU	STE	1902	<i>Cypripedium calceolus</i>	FV	FV	FV	FV	FV
RU	ARC	1902	<i>Cypripedium calceolus</i>	U2	U2	U2	U2	U2
RU	ALP	1014	<i>Vertigo angustior</i>	FV	FV	FV	FV	FV
RU	BOR	1014	<i>Vertigo angustior</i>	U1	U1	U1	U1	U1
RU	CON	1014	<i>Vertigo angustior</i>	FV	FV	FV	FV	FV
RS	ALP	1354	<i>Ursus arctos</i>	U1	U1	FV	FV	FV
UA	STE	1428	<i>Marsilea quadrifolia</i>	XX	XX	XX	XX	XX
UA	CON	1428	<i>Marsilea quadrifolia</i>	U2	U2	U2	XX	U2
UA	PAN	1428	<i>Marsilea quadrifolia</i>	U2	U2	U2	XX	U2
UA	ALP	1354	<i>Ursus arctos</i>	FV	U1	FV	XX	FV
UA	CON	1354	<i>Ursus arctos</i>	XX	U1	XX	U1	U1



Typical species - 1

- Only Ukraine supplied lists (for C1.25 (3 regions) & D4.1(for 2 regions))
- Other countries described methods for selecting species but did not list them



Typical species - 2

country	region	Habitat code	typical_species_method
CH	ALP	D4.1	<p>Selection of vascular plants and musci filling the following criteria: (1) characteristic species or tightly linked to phytosociological units belonging to D4.1: <i>Cariciion davallianae</i> and <i>Cratoneurion</i>, according to Swiss typology of habitats TYPOCH (Delarze R., Gonseth Y., Eggenberg S. & Vust M. 2015. Guide des milieux naturels de suisse. Ecologie – Menaces – Espèces caractéristiques. 3 ed. Rossolis, Bussigny 440 p.) and (2) occurring in the biogeographic region ALP in Switzerland</p>



Typical species - 3

Appears that only plants have been considered

Although plants do provide the structure of most Res 4 habitats, other species groups are very important for functions

Please consider other groups



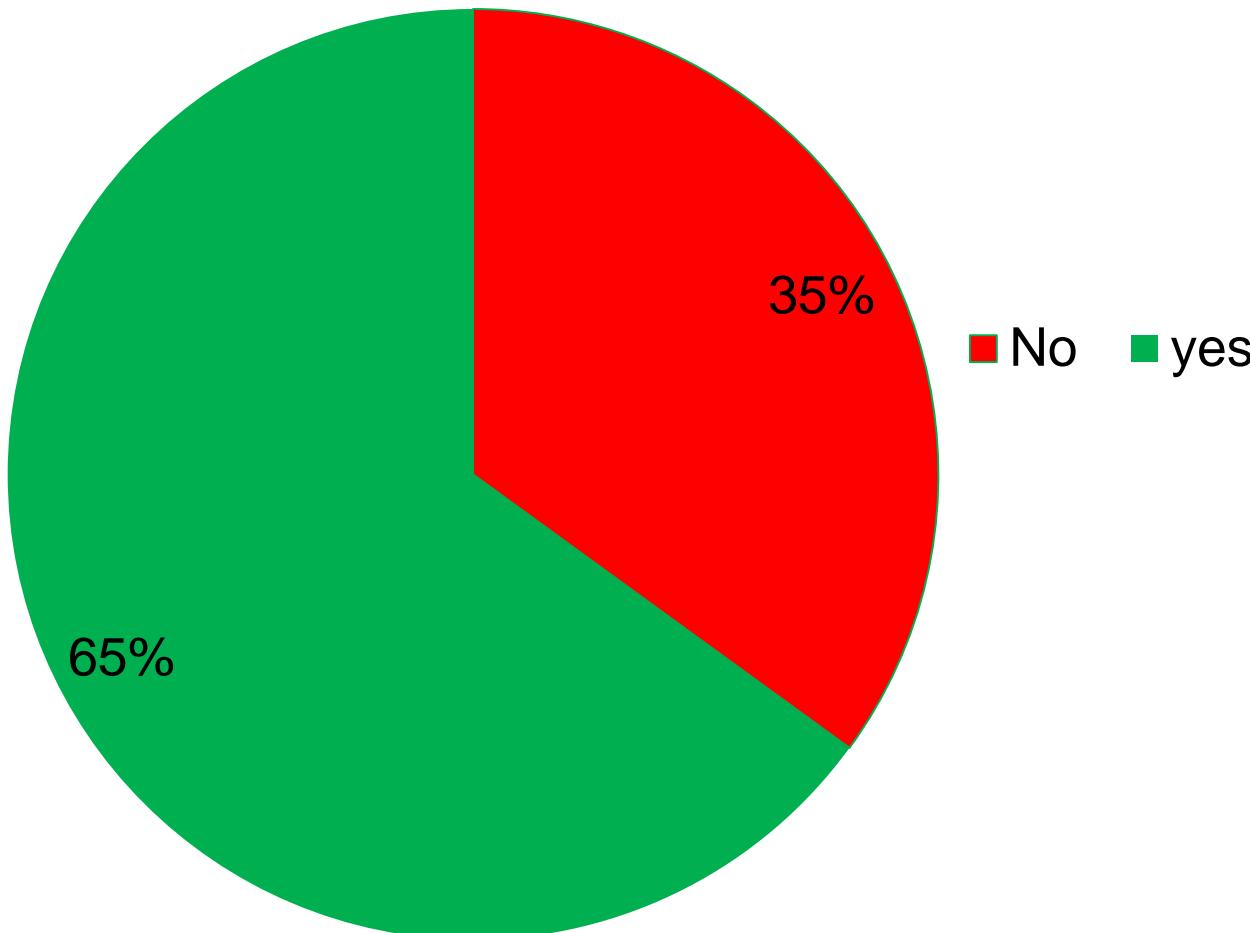
Population units

- Guidelines ask to use agreed unit, with option to also give an alternative
- For example

Species name recommended for the reporting under Resolution 8(2012)	Recommended unit
<i>Barbastella barbastellus</i>	grids 1x1
<i>Canis lupus</i>	individuals
<i>Crex crex</i>	calling males
<i>Aquila chrysaetos</i>	pairs



Population units – agreed units used (non bird species) ?

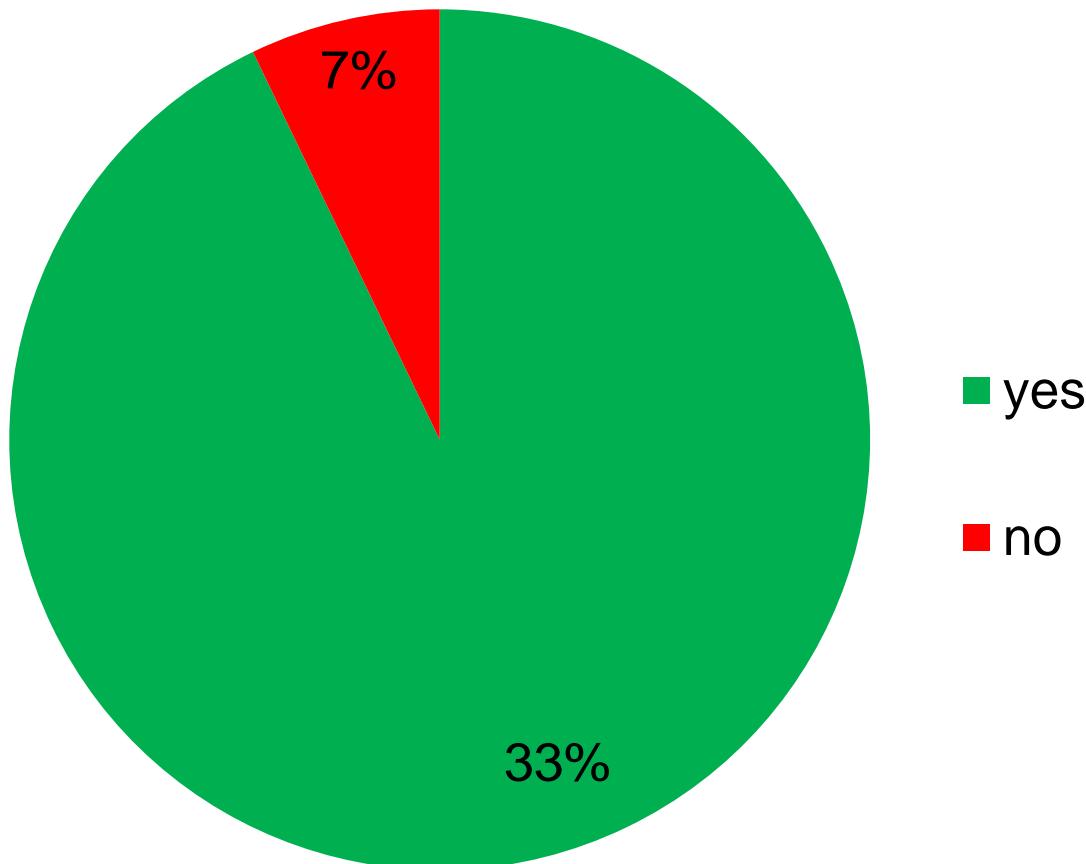


Population units – agreed units used (non bird species) ?

country	region	species code	species name	Agreed unit	population size unit
RU	ALP	1014	<i>Vertigo angustior</i>	Grids 1x1	localities
UA	CON	1428	<i>Marsilea quadrifolia</i>	Grids 1x1	i



Population units – agreed units used (birds) ?



Population units – agreed units used (birds) ?

country	species code	species name	Season	Agreed unit	population size unit
GE	A231	<i>Coracias garrulus</i>	B	p	i

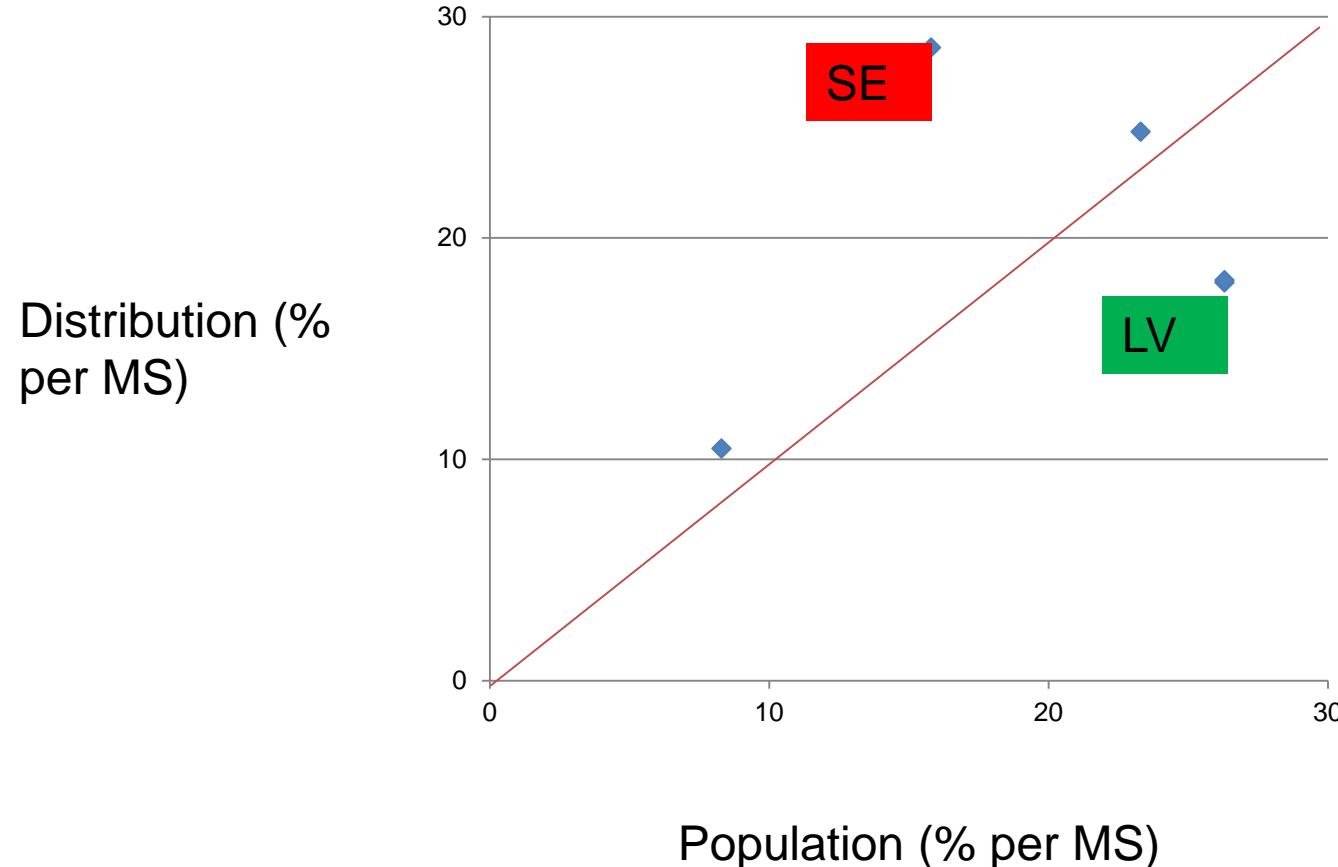


Use of agreed unit is important for European assessments

- Assessments of some parameters rely on ‘weighting’ – the proportion of the population in each class
- If population cannot be used weighting is by distribution
- But population density can be very variable



Use of agreed unit is important for European assessments



Lutra lutra in the Boreal region of the EU

Choice of weighting changes EU regional assessment

Method	Weighting
2XP	>84.2%FV >15.8%U2
2GD	>71.4%FV >28.6%U2

Data from

<https://bd.eionet.europa.eu/article17/reports2012/species/summary/?period=3&group=Mammals&subject=Lutra+lutra®ion=BOR>



Pressures & threats

- All records at level 2
- Maximum 10 of which maximum 5 as 'High' respected
- 11 records with no ranking
- Wide range of activities recorded
- A (Agriculture), B (Forestry) & F (Development, construction and use of residential, commercial, industrial and recreational infrastructure and areas) most frequently reported



Future prospects (habitats & non-bird species)

- Guidelines (section 10.4 in part 1) refer to a Table 25 but should refer to Table 7 in part 2

Table 7: Combining the evaluation of the three parameters to give Future prospects for a species

Assessment of Future prospects	Favourable	Unfavourable-inadequate	Unfavourable-bad	Unknown
Prospects of parameter: Range, Population and Habitat for the species	All parameters have 'good' prospects OR prospects of one parameter 'unknown', the other prospects' good'	Other combination	One or more parameters have 'bad' prospects	Two or more 'unknown' and no parameter with 'bad' prospects



Future prospects (non-bird species)

- Most assessments follow guidelines, a few do not

country	region	species code	Species name	future range	future population	future habitat	conclusion future	Suggested conclusion
CH	ALP	1308	<i>Barbastella barbastellus</i>	poor	unk	good	XX	U1 ?
CH	ALP	1193	<i>Bombina variegata</i>	poor	poor	poor	U2	U1 ?
CH	CON	1193	<i>Bombina variegata</i>	poor	poor	poor	U2	U1 ?
CH	CON	1014	<i>Vertigo angustior</i>	bad	bad			U2 ?
GE	ALP	2098	<i>Paeonia tenuifolia</i>	good	poor	poor	XX	U1 ?
GE	STE	2098	<i>Paeonia tenuifolia</i>	good	poor	poor	XX	U1 ?
RU	BOR	1014	<i>Vertigo angustior</i>	good	good	good	U1	FV ?
UA	ALP	1354	<i>Ursus arctos</i>	good	poor	poor	XX	U1 ?
UA	CON	1354	<i>Ursus arctos</i>	unknown	unknown	unknown	U1	XX ?

Future prospects (habitats)

- Most assessments follow guidelines, a few do not

country	region	Habitat code	Future range	Future area	Future structure	Conclusion future	suggested conclusion
CH	CON	D4.1	good	poor	poor	U2	U1 ?
GE	BLS	B1.6	poor	poor	poor	XX	U1 ?
RU	ALP	G1.6	good	good	unk	U1	FV ?
UA	CON	C1.25	bad	bad	bad	XX	U2 ?
UA	PAN	C1.25	bad	bad	bad	XX	U2 ?
UA	ALP	C1.25	bad	bad	bad	XX	U2 ?
UA	STE	C1.25	bad	bad	bad	XX	U2 ?



Coverage of habitats by the Emerald Network

- Coverage by network not always reported
- Can compare ‘best estimates’ (or means where not given) with area in network
- Many habitats recorded as 100% coverage – is this correct ?
- Others have very low coverage



Coverage of habitats by the Emerald Network

country	Habitat code	region	% Emerald
CH	D4.1	ALP	15,38
CH	D4.1	CON	8,33
CH	G1.A4	ALP	0,69
CH	G1.A4	CON	1,50
GE	B1.6	BLS	100,00
RU	G1.6	CON	100,00
RU	G1.6	BLS	100,36
RU	G1.6	ALP	100,00
RU	G1.A4	BOR	18,18
RU	G1.A4	CON	18,20
RU	G1.A4	ALP	18,26
RU	G1.A4	BLS	100,00
UA	D4.1	ALP	0,02
UA	D4.1	CON	0,03
UA	C1.25	CON	0,03
UA	C1.25	PAN	0,05
UA	C1.25	ALP	0,05
UA	C1.25	STE	0,07



Thank you

