

Possible improvements and good practices

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**European Topic Centre
on**

Biological Diversity



Corrections to format

**From Annex D
(habitats)**

3. Biogeographical regions	
3.1 Biogeographical region where the species occurs	
3.2 Sources of Information	

11. Emerald Network coverage for Resolution No. 6(1998) species		
11.1 Surface area of the habitat type inside the Emerald Network (in km² in the biogeographical region including all sites where the habitat is present)	b) Minimum	
	c) Maximum	
	d) Best single value	



Corrections to format - 2

1. General Information	
1.1 Country	
1.2 Habitat code	

1. General Information	
1.1 Country	
1.2 Habitat code	
1.2 Habitat name	

Add habitat name to Annex D section 1 ?



Consider the use of the information reported

- To allow aggregation of information, without having to reformat or copy/paste into a new table, standards have to be agreed and respected
- For example, if a field is numeric or a date, only give a number or date

3.1.1 Short-term trend Period

positive

4.4 Breeding distribution surface area (in km²)

Skadar lake surface 370–530 km² (two thirds (229 km²) belonging to Montenegro and about one-third (142 km²) to Albania



Use a separate file for each biogeographical region

Avoid entries such as

3.1 Biogeographical region or marine region where the species occurs

Continental, Steppic

4.1 Surface area (in km²)

CON: 13600 km² / ALP: 24100 km²



Use names & codes from checklists

1.2 Habitat code

41.1 Beech forests

1.2 Habitat code

41.1 Beech forests -G1.6 Fagus woodland

Should both be G1.6

1.2.3 Species scientific name

Pelicanus crispus Bruch, 1832

Should be *Pelicanus crispus* ? (Reference list off line)



Spatial data

- Detailed presentation later but please note file names in appropriate fields of Annexes B, D & F
- In some cases GIS files delivered but not named
- Also some cases where name reported is not the file name

2.2 Distribution map (enter the name of the shp-file)

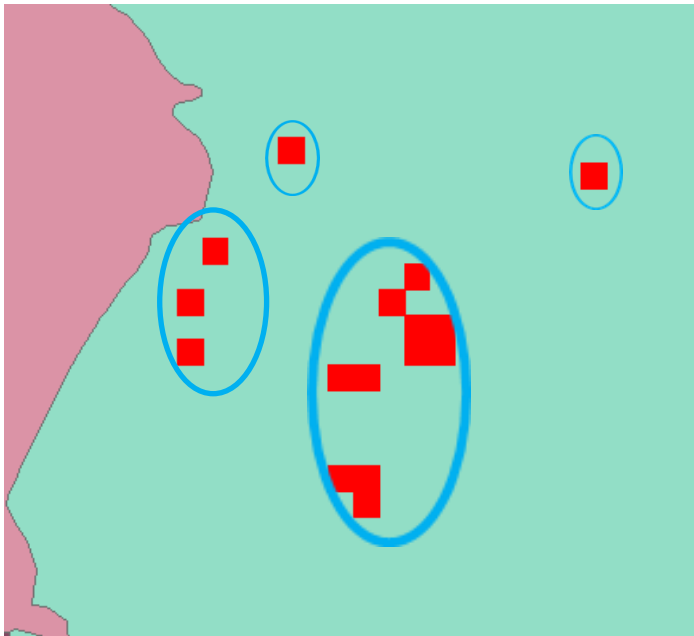
4.1 Alpine INCS - shape

BukoveAlpine.shp ?



Range

- Not clear how estimated & if method in guidelines followed
- In several reports range seems to be area of occupied 10x10 km grid cells



16 cells, range reported as 1600 km²

Following guidelines would give a much larger value (estimate 2500 km² but depends on gap distance)

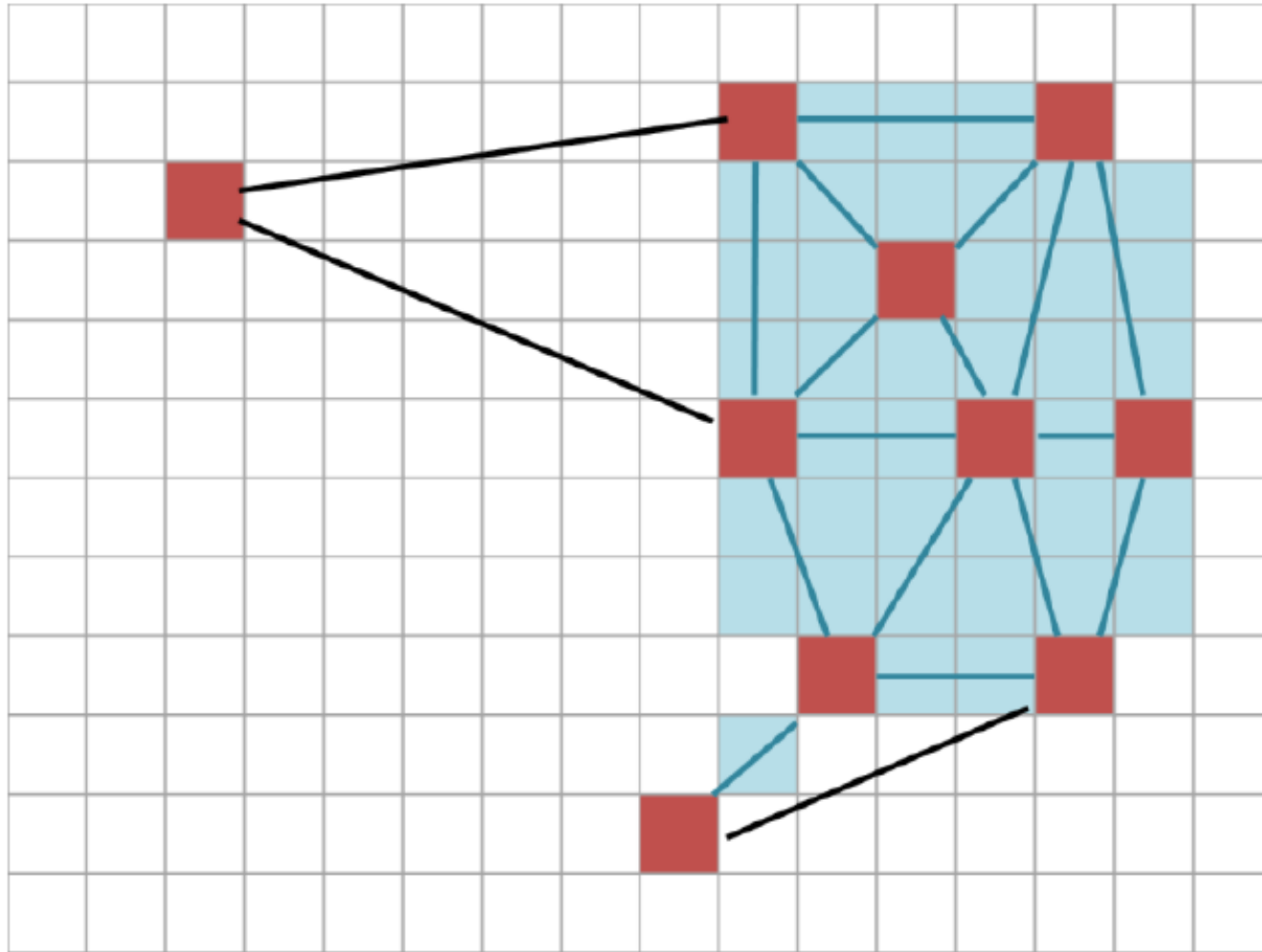


Range – methodology in guidelines

Red = distribution

Blue = range

Gap = 3 cells



Part 2
pages 25 & 62



Population units - many reports do not use the agreed units

5.2 Population size estimation	a) Unit	Population size and density of the individuals of <i>F. montana</i> has been studied on the site of 1 x 1 m. Thus, in the studied populations of <i>F. montana</i> is formed sufficiently high density of individuals (from 40,3 – up of 209.6 ind. on 1 m ²) with a high number of juvenile plants
	b) Minimum	40,3±5,69 ind. on 1 m ²
	c) Maximum	209,6±40,94 ind. on 1 m ²
	d) Best estimate	198,3±20,75 ind. on 1 m ² and 185,0±40,98 ind. on 1 m ²



Favourable Reference Values

- Frequently not reported
- Known to be difficult but use of 'operators' allows an assessment of Conservation Status
- Most widely used method in the EU



Typical species

- Only four lists delivered
 - D4.1 Rich fens (CH/ALP; CH/CON; UA /CON)
 - G3.9 Coniferous woodland dominated by *Cupressaceae* or *Taxaceae* GE (one list for 3 regions - ALP, BLS, STE)
- Only plants (but many bryophytes)
- List species not plant communities (so no *Quercion ilicis*)
- Consider using other groups, especially birds where data is often available



Pressures and threats

- Mix of codes, names & both
- Mix of levels – makes aggregation & comparison difficult
- Some activities listed which are not on standard list (“Oil extraction from Lake Beleu”)
- Often only 3 or 4 activities listed (minimum was 1), but maximum was 12 (max 10)
- Guidelines ask for code & level 2



Sensitive species

- Large proportion noted as sensitive (compared to EU)
- Correctly used ?
- For example Dalmatian pelican noted as sensitive by Montenegro but breeding locality described in many publications, including one cited as a source



Conservation Status

- Conclusions not always consistent with data
- Short term population trend unknown & long term population trend 'decreasing' but -

10. Conclusions	
10.1 Range	FV
10.2 Population	FV
10.3 Habitat for the species	FV
10.4 Future prospects	FV
10.5 Overall assessment of Conservation Status	FV



A few minor points where a standard is needed

- **Missing values**

Leave empty ? – none, N/A etc complicate data management

- **Decimal points**

Please use a dot, not a comma ?

- **Names of regions**

eg AL, ALP, Alpine all used; guidelines ask for name in full (so use Alpine)

- **Sources**

Normally a publication or website, is a named individual acceptable ?



Use EU experience – most reports are public

EIONET

European Topic Centre on Biological Diversity

SERVICES REPORTNET TOOLS TOPICS (ETCS)

You are here: Eionet » Biodiversity » Article 17 » Habitat summary

Habitat assessments at EU biogeographical level

Assessments on the conservation status of the habitat types and species of Community interest have been carried out in EU25 for the period 2001-2006 and in EU 27 for the period 2007-2012, compiled as part of the Habitats Directive - Article 17 reporting process. The data summary sheet for species conservation status provides an overview per biogeographical region. Once a selection has been made the conservation status can be visualised in a map view. Choose a period, a group, then a habitat type belonging to that group. Optionally, further refine your query by selecting one of the available biogeographical regions for that habitat type.

Period...
 Group...
 Name...
 Bio-region...

Note: Rows in italic shows data not taken into account when performing the assessments (marginal presence, occasional, extinct prior HD, information, etc)

Legend: FV Favourable XX Unknown U1 Unfavourable-Inadequate U2 Unfavourable-Bad

Current selection: 2007-2012, Bogs, mires & fens, 7110 Active raised bogs, Atlantic. [Show all Bogs, mires & fens](#)

Treated data from Member States reports

MS	Range (km ²)				Area				Struct & func.	Future prosp.	Overall asses.				Areas from gridded maps(km ²)			
	Surface	% MS	Trend	Ref.	Surface	% MS	Trend	Ref.			Curr. CS	Qualifier	Prev. CS	Nat. of ch.	Range	% MS	Distrib.	% MS
BE	100	0.1	0	200	0.02	0	0	0.05	U2	U1	U2	=	U2	nc	100	0.1	100	0.2
DE	N/A	N/A	x	23675.99	N/A	N/A	-	>>	U2	U1	U2	=	U2	nc	20900	14	7700	11.9
DK	2400	2.4	0	≈2400	0.30	0.1	x	>>0.30	U2	U2	U2	+	U2	a	2400	1.6	500	0.8
ES	4616	4.5	-	>4616	0.93	0.4	-	>0.93	U1	U1	U1	-	XX	c1	5000	3.3	5000	7.7
FR	10800	10.6	0	>10800	68	27.6	0	>68	U2	U2	U2	-	U2	nc	10100	6.7	9000	13.9
IE	13700	13.5	0	26100	19.55	8	-	215.20	U2	U2	U2	-	U2	a	13700	9.1	7800	12.1
NL	5100	5	0	>>5100	1.30	0.5	0	>>1.30	U2	U1	U2	=	U2	nc	4800	3.2	4400	6.8
UK	64905.06	63.9	0	64905.06	154.34	63.1	-	357.59	U2	U2	U2	-	U2+	a	92800	61.9	30200	46.7

European Environment Agency
European Topic Centre on
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<https://bd.eionet.europa.eu/article17/reports2012/habitat/summary/?period=3&group=Bogs%2C+mires+%26+fens&subject=7110®ion=ATL>

Use EU experience – most reports are public

Habitat Report

0.1 Member State	UK - United Kingdom
0.2 a) Habitat code	7110
0.2 b) Habitat name	Active raised bogs

1. National level

1.1 Maps

- 1.1.1. Distribution map
- 1.1.2 Method used - map
- 1.1.3 Year or period
- 1.1.4. Additional distribution map
- 1.1.5 Range map

Biogeographic regions and/or marine regions

2. Biogeographical or marine level

2.1 Biogeographical region or marine regions

2.2 Published sources

2.7 Complementary information

2.7.1 Typical species

2.7.2 Typical species - method used: the status of various plant species has been considered when the condition of individual sites supporting the habitat have been assessed - these assessments have utilised Common Standards Monitoring Guidance, information on which is available via <http://jncc.defra.gov.uk/page-2199> (refer to guidance on individual habitats for details) - a list of the specific species used during the reporting period is, however, not available

2.7.3 Justification of % thresholds for trends

2.7.4 Structure and functions - Methods used: 2 - Estimate based on partial data with some extrapolation and/or modelling

2.7.5 Other relevant information: for further details see the 2013 Article 17 UK Approach document and relevant country-level reporting information

2.8 Conclusions

2.8.1 a) Range Assessment: **FV** - Favourable

2.8.1 b) Range Trend

2.8.2 a) Area Assessment: **U2** - Bad

2.8.2 b) Area Trend: - - declining

2.8.3 a) Specific structures and functions Assessment: **U2** - Bad

2.8.3 b) Specific structures and functions Trend: - - declining

2.8.4 a) Future prospects Assessment: **U2** - Bad

2.8.4 b) Future prospects Trend: - - declining

2.8.5 Overall assessment of Conservation Status: **U2** - Bad

2.8.6 Overall trend in Conservation Status: - - declining

3. Natura 2000 coverage & conservation measures

3.1 Area covered by habitat

3.1.1 a) Surface area (within network) Minimum: 78.71

3.1.1 b) Surface area (within network) Maximum: 78.71

3.1.2 Method used: 2 - Estimate based on partial data with some extrapolation and/or modelling

3.1.3 Trend of surface area within the network (Optional): + - increase

3.2 Conservation measures

3.2.1 Measure	3.2.2 Type	3.2.3 Ranking	3.2.4 Location	3.2.5 Broad Evaluation
1.2 - Measures needed, but not implemented	One Off	L - low importance	Both	Enhance Long-term
1.3 - No measure known/ impossible to carry out specific measures	Recurrent	L - low importance	Both	Enhance Long-term

Table: Range (km²)

Country	Surface	% MS	Trend	Ref.	Surface	% MS
BE	100	0.1	0	200	0.02	
DE	N/A	N/A	x	23675.99	N/A	
DK	2400	2.4	0	≈2400	0.30	
FR	10800	10.6	0	>10800	68	
NI	5100	5	0	>>5100	1.30	
UK	64905.06	63.9	0	64905.06	154.34	

Click on country abbreviation to see full report

<https://bd.eionet.europa.eu/a...+fens&subject=7110®ion=ATL>

Delivery manuals for Arts 12 & 17 in the EU

- For Article 17
[http://biodiversity.eionet.europa.eu/activities/Reporting/Article 17/Reports 2019/Files 2019/Delivery manual for tabular and spatial data DRAFT portal 20180706.docx](http://biodiversity.eionet.europa.eu/activities/Reporting/Article%2017/Reports%202019/Files%202019/Delivery%20manual%20for%20tabular%20and%20spatial%20data%20DRAFT%20portal%2020180706.docx)
- Covers both spatial & tabular data
- Should these be adapted for Emerald ?



Final reminder - think of how reports will be used

Need information which is suitable for simple data management, so only codes, numbers , agreed abbreviations, agreed text, etc (except for agreed free text fields eg additional info, sources)





Thank you

