

Detailed final conclusions on the representation of habitats from Res. No. 4 (1996) of the Bern Convention in Emerald Network sites in Liechtenstein (Alpine)

Remarks:

- The Biogeographical Seminar was organised by the European Topic Centre on Biodiversity (ETC/BD) of the European Environment Agency (EEA) in collaboration with the secretariat of the Bern Convention
- The document represents the results of the discussions concerning the sufficiency evaluation of the features already mentioned in the proposed Emerald Network Sites
- In addition, all features assumed to be present in Liechtenstein are added to the list with an agreed conclusion on the sufficiency in relation to the existing proposed Emerald Network Sites to be able to create the Reference List for Liechtenstein
- If the conclusion is 'EXCL REF', the feature is deleted from the Reference List
- If the conclusion includes 'CD' (correction of data), the country needs to amend the data appropriately according to the indication in the comments field, usually related to the population types and/or assessments of the species concerned.
- In the case of Scientific Reserve (SR), country authorities must supply a separate written information (apart from the SDF) by the time of the next transmission of the SDF database. The document should explain how the reserve was solved (i.e. fieldwork, literature work, communication with scientific community, etc.) and if and how it was reflected in the new database (SDF) submission (no action, sites added, sites deleted, etc.).

Code	Habitat Name	iso	biogeo	Final Concl.	Final Conclusion Comments
C1.1	Permanent oligotrophic lakes, ponds and pools	LI	ALP	IN MAJ	
C1.222	Floating <i>Hydrocharis morsus-ranae</i> rafts	LI	ALP	SR	check presence according to the habitat definition
C1.223	Floating <i>Stratiotes aloides</i> rafts	LI	ALP	SR	check presence according to the habitat definition
C1.224	Floating <i>Utricularia australis</i> and <i>Utricularia vulgaris</i> colonies	LI	ALP	IN MOD/IN MIN	IN MIN Ruggeller Riet
C1.226	Floating <i>Aldrovanda vesiculosa</i> communities	LI	ALP	EXCL REF	
C1.25	Charophyte submerged carpets in mesotrophic waterbodies	LI	ALP	IN MAJ	
C1.32	Free-floating vegetation of eutrophic waterbodies	LI	ALP	IN MAJ	
C1.33	Rooted submerged vegetation of eutrophic waterbodies	LI	ALP	IN MAJ	
C1.3411	<i>Ranunculus</i> communities in shallow water	LI	ALP	IN MAJ	
C1.3413	<i>Hottonia palustris</i> beds in shallow water	LI	ALP	EXCL REF	
C2.12	Hard water springs	LI	ALP	IN MAJ	
C2.18	Acid oligotrophic vegetation of spring brooks	LI	ALP	IN MAJ	

Code	Habitat Name	iso	biogeo	Final Concl.	Final Conclusion Comments
C2.19	Lime rich oligotrophic vegetation of spring brooks	LI	ALP	IN MAJ	
C2.25	Acid oligotrophic vegetation of fast flowing streams	LI	ALP	EXCL REF	
C2.26	Lime rich oligotrophic vegetation of fast flowing streams	LI	ALP	IN MAJ	
C2.27	Mesotrophic vegetation of fast flowing streams	LI	ALP	IN MAJ	
C2.28	Eutrophic vegetation of fast flowing streams	LI	ALP	IN MAJ	
C2.33	Mesotrophic vegetation of slow-flowing streams	LI	ALP	IN MAJ	
C2.34	Eutrophic vegetation of slow-flowing streams	LI	ALP	IN MAJ	
C3.2	Water fringing reedbeds and tall helophytes other than canes	LI	ALP	IN MAJ	
C3.51	Euro-Siberian dwarf annual amphibious swards (but excluding C3.5131 Toad-rush swards)	LI	ALP	IN MAJ	
C3.55	Sparsely vegetated river gravel banks	LI	ALP	IN MAJ	
C3.62	Unvegetated river gravel banks	LI	ALP	IN MAJ	
D2.3	Transition mires and quaking bogs	LI	ALP	IN MOD/IN MIN	IN MIN Ruggeller Riet
D4.1	Rich fens, including eutrophic tall-herb fens and calcareous flushes and soaks	LI	ALP	IN MOD	include areas in the Alps
D5.2	Beds of large sedges normally without free-standing water	LI	ALP	SUF	
E1.11	Euro-Siberian rock debris swards	LI	ALP	SR	clarify presence
E1.2	Perennial calcareous grassland and basic steppes	LI	ALP	IN MAJ	
E1.71	Nardus stricta swards	LI	ALP	IN MAJ	
E2.2	Low and medium altitude hay meadows	LI	ALP	IN MOD	
E2.3	Mountain hay meadows	LI	ALP	IN MAJ	
E3.4	Moist or wet eutropic and mesotrophic grassland	LI	ALP	SR/CD	check definition of E3.4 and correct to E5.4 for Schwabbrünnen-Äscher
E3.5	Moist or wet oligotrophic grassland	LI	ALP	SUF	habitat could be added to new additional site in the south
E4.11	Boreo-alpine acidocline snow-patch grassland and herb habitats	LI	ALP	IN MAJ	
E4.12	Boreo-alpine calcicline snow-patch grassland and herb habitats	LI	ALP	IN MAJ	
E4.3	Acid alpine and subalpine grassland	LI	ALP	IN MAJ	

Code	Habitat Name	iso	biogeo	Final Concl.	Final Conclusion Comments
E4.4	Calcareous alpine and subalpine grassland	LI	ALP	IN MAJ	
E5.4	Moist or wet tall-herb and fern fringes and meadows	LI	ALP	SUF/CD	CD move in site Schwabbrünnen-Äscher from E3.4 to E5.4
E5.5	Subalpine moist or wet tall-herb and fern stands	LI	ALP	IN MAJ	
F2.2	Evergreen alpine and subalpine heath and scrub	LI	ALP	IN MAJ	
F9.1	Riverine scrub	LI	ALP	IN MAJ	
G1.11	Riverine Salix woodland	LI	ALP	IN MAJ	
G1.12	Boreo-alpine riparian galleries	LI	ALP	IN MAJ	
G1.21	Riverine Fraxinus - Alnus woodland, wet at high but not at low water	LI	ALP	IN MAJ	
G1.22	Mixed Quercus - Ulmus - Fraxinus woodland of great rivers	LI	ALP	IN MAJ	
G1.6	Fagus woodland	LI	ALP	IN MOD/IN MIN	IN MIN Schwabbrünnen-Äscher
G1.7	Thermophilous deciduous woodland	LI	ALP	IN MAJ	
G1.A1	Quercus - Fraxinus - Carpinus betulus woodland on eutrophic and mesotrophic soils	LI	ALP	EXCL REF	
G1.A4	Ravine and slope woodland	LI	ALP	IN MAJ	
G3.1B	Alpine and Carpathian subalpine Picea forests	LI	ALP	IN MAJ	
G3.21	Eastern Alpine siliceous Larix and Pinus cembra forests	LI	ALP	EXCL REF	
G3.22	Eastern Alpine calcicolous Larix and Pinus cembra forests	LI	ALP	EXCL REF	
G3.31	Pinus uncinata forests with Rhododendron ferrugineum	LI	ALP	IN MAJ	
G3.32	Xerocline Pinus uncinata forests	LI	ALP	IN MAJ	
G3.44	Spring heath Pinus sylvestris forests	LI	ALP	IN MAJ	
H1	Terrestrial underground caves, cave systems, passages and waterbodies	LI	ALP	IN MAJ	
H2.1	Cold siliceous screes	LI	ALP	EXCL REF	
H2.2	Cold limestone screes	LI	ALP	IN MAJ	
H2.3	Temperate-montane acid siliceous screes	LI	ALP	EXCL REF	
H2.4	Temperate-montane calcareous and ultra-basic screes	LI	ALP	IN MAJ	
H2.6	Calcareous and ultra-basic screes of warm exposures	LI	ALP	IN MAJ	

Code	Habitat Name	iso	biogeo	Final Concl.	Final Conclusion Comments
H3.1	Acid siliceous inland cliffs	LI	ALP	EXCL REF	
H3.2	Basic and ultra-basic inland cliffs	LI	ALP	IN MAJ	
H3.511	Limestone pavements	LI	ALP	EXCL REF	
X04	Raised bog complexes	LI	ALP	EXCL REF	