



Detailed draft conclusions on the representation of habitats from Res. No. 4 (1996) of the Bern Convention in the Emerald Network sites in Iceland (Arctic)

Glossary:

SUF (Sufficient): the occurrence of the species/habitat type is sufficiently well covered by the current Emerald Network; no further sites are required.

IN MIN (Insufficient minor): no new sites are required, but this species/habitat type should be added to the list of qualifying features on one or several sites that have already been proposed for other species/habitat types.

IN MOD (Insufficient moderate): one or several additional sites (or extensions of sites) must be proposed to achieve a sufficient coverage of the Emerald network for this species/ habitat type.

IN MAJ (Insufficient major): none of the sites where this species/habitat type occurs have been proposed so far; in order to achieve a sufficient coverage of the Emerald network for the species/habitat type, one or several sites must therefore be proposed.

SR (Scientific reserve): further research is required to identify the most appropriate sites for this species/habitat type (research on identifying the most appropriate sites, on clarifying the correspondence of a habitat present to the definition of Res. 4 habitats, etc.)

SR REF (Scientific reserve on the Reference List): the regular occurrence of this species/habitat type is still uncertain and needs to be confirmed

EXCL REF (Exclude from the Reference List): this species/habitat type is not naturally occurring and will be removed from the Reference List; no sites are required for this species/habitat type

CD (Correction of data): the information about this species/habitat type in the Standard Data Form needs to be corrected/completed/deleted

Codes can be combined, for example 'IN MOD/ CD' would indicate that additional sites are required and that the existing proposals need to be corrected or complemented.

Code	Habitat Name	iso	bio geo	Sites 2021	habitat assessment 2021	Draft Conclusion Comments 2021	Draft Conclusion 2021
A1.11	Mussel and/or barnacle communities	IS	ARC			Not really covered by the current proposal - Sites needed all around the Icelandic coast, but especially in northwest	IN MAJ?
A2.2	Littoral sand and muddy sand	IS	ARC	1	(1C)	Only proposed for one site, covering a very small part of the Icelandic area. Several important areas in west, close to Vatnajökul site and scattered around the island, even a good geographical representation needed	IN MOD?
A2.3	Littoral mud Littoral mixed sediments Coastal saltmarshes and saline reedbeds	IS	ARC			Covered to a very little extent by the current proposed ASCI - Sites needed all around the Icelandic coast, but especially in northwest	IN MIN/IN MOD?
A2.4	Littoral mixed sediments	IS	ARC			Covered to a very little extent by the current proposed ASCI. Sites needed all around the Icelandic coast, but especially in northwest	IN MIN/IN MOD?
A2.5	Coastal saltmarshes and saline reedbeds	IS	ARC			A rare habitat in Iceland. Sites needed mainly in southwest	IN MAJ?
A2.61	Seagrass beds on littoral sediments	IS	ARC			A rare habitat in Iceland. Sites needed	IN MAJ?
B1.3	Shifting coastal dunes	IS	ARC			Covered to a very little extent by the current proposed ASCI. Sites needed especially in south	IN MIN/IN MOD?
B1.4	Coastal stable dune grassland (grey dunes)	IS	ARC			Covered to a very little extent by the current proposed ASCI. Sites needed especially in south	IN MIN/IN MOD?
B2.3	Upper shingle beaches with open vegetation	IS	ARC			A rare habitat in Iceland . Sites needed	IN MAJ?
B3.3	Rock cliffs, ledges and shores, with angiosperms	IS	ARC			Not covered by the current proposed ASCI. Main distribution in northwest, sites needed	IN MAJ?

Code	Habitat Name	iso	bio geo	Sites 2021	habitat assessment 2021	Draft Conclusion Comments 2021	Draft Conclusion 2021
C1.1	Permanent oligotrophic lakes, ponds and pools	IS	ARC	1	(1C)	Only proposed for one site, covering a very small part of the Icelandic area. The habitat is scattered in most part of Iceland, many localities in west, northwest and northeast	IN MOD?
C2.111	Fennoscandian mineral-rich springs and springfens	IS	ARC	1	(1C)	Only proposed for one site, and a very small part of the Icelandic area - many more sites in southwest and north	IN MOD?
C2.25	Acid oligotrophic vegetation of fast-flowing streams	IS	ARC			Covered to a very little extent by the current proposed ASCI. Sites needed especially in northwest and northeast	IN MIN/IN MOD?
C3.2	Water fringing reedbeds and tall helophytes other than canes	IS	ARC			Not covered in the proposal. Sites needed especially in north	IN MAJ?
C3.4	Species-poor beds of low-growing water-fringing or amphibious vegetation	IS	ARC			Covered to a very little extent by the current proposed ASCI. Sites needed especially in west and north	IN MIN/IN MOD?
D2.3	Transition mires and quaking bogs	IS	ARC			Covered to a very little extent by the current proposed ASCI. Sites needed especially in west, northeast and inland north	IN MIN/IN MOD?
D3.1	Palsa mires	IS	ARC	3	(2A 1B)	Good representation in central Iceland, but most part of the eastern area is not included, more sites needed in that area (northeast of Vatnajökul) - one of the most threatened habitats in northern latitudes at global scale	IN MOD?
D3.3	Polygon mires	IS	ARC	3	(3C)	A highland habitat that probably is rare on Iceland (no existing cross-walk Icelandic habitat classification) - A little proportion is covered by the proposal - more sites needed in the highland, both in south and north	IN MOD?
D4.1	Rich fens, including eutrophic tall-herb fens and calcareous flushes and soaks	IS	ARC	3	(3C)	The habitat is only proposed in areas where it is quite rare - more sites needed in northeast and west	IN MOD?
D4.2	Basic mountain flushes and streamsides, with a rich arctic-montane flora	IS	ARC			A rare habitat in Iceland. Sites needed, mainly in the inland south	IN MAJ?

Code	Habitat Name	iso	bio geo	Sites 2021	habitat assessment 2021	Draft Conclusion Comments 2021	Draft Conclusion 2021
D5.2	Beds of large sedges normally without free-standing water	IS	ARC	2	(2C)	Rare habitat, only proposed to small extent - more sites around the coast and particularly in the southwest	IN MOD?
E1.2	Perennial calcareous grassland and basic steppes	IS	ARC	3	(3C)	Scattered around the lowland - little proportion covered - more sites in west, east and north	IN MOD?
E1.71	Nardus stricta swards	IS	ARC	1	(1C)	Rare habitat, only proposed to small extent - more sites around the coast and particularly in the west	IN MOD?
E1.722	Boreo-arctic Agrostis-Festuca grasslands	IS	ARC	2	(2C)	Only a low proportion covered - more sites in south, north and east	IN MOD?
E3.4	Moist or wet eutropic and mesotrophic grassland	IS	ARC	3	(3C)	Only a low proportion covered - more sites in north and along the coast in south and northeast regions	IN MOD?
E4.11	Boreo-alpine acidocline snow-patch grassland and herb habitats	IS	ARC	3	(1B 2C)	Only a low proportion covered - more sites in central highlands and northeast	IN MOD?
E4.3	Acid alpine and subalpine grassland	IS	ARC	2	(1A 1C)	Something is wrong? According to the cross-walk the habitat should be rare in the area covered by the proposal, but more common in west part of Iceland - more sites in west	IN MOD?
F2.2	Evergreen alpine and subalpine heath and scrub	IS	ARC			Covered to a very little extent by the current proposed ASCI. Sites needed especially in north	IN MIN/IN MOD?
F2.32	Subalpine and oroboreal Salix brush	IS	ARC	3	(3C)	Only a low proportion covered - more sites needed in southwest and north	IN MOD?
F4.2	Dry heaths	IS	ARC			Covered to a very little extent by the current proposed ASCI. Sites needed especially in north, west and southwest	IN MIN/IN MOD?
G1.917	Oroboreal Betula woods and thickets	IS	ARC			Covered to a very little extent by the current proposed ASCI. Sites needed all around the lowland at Iceland	IN MIN/IN MOD?

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H2.1	Cold siliceous screes	IS	ARC	3	(1B 2C)	Only a low proportion covered - more sites in west, north and east	IN MOD?
H4.2	Ice caps and true glaciers	IS	ARC	2	(1A 1B)	Covered to a large extent, but some additional sites in west and northwest is needed	IN MOD?
H4.3	Rock glaciers and unvegetated ice-dominated moraines	IS	ARC			Propably covered to a large extent, but not reported and more sites needed in south, weast and northwest	IN MIN/IN MOD?
H6	Recent volcanic features	IS	ARC	3	(1B 2C)	Covered to a large extent, but some additional sites in southwest, west and south is needed	IN MOD?
X01	Estuaries	IS	ARC			A rare habitat in Iceland. Sites needed, mainly in southwest	IN MAJ?
X02	Saline coastal lagoons	IS	ARC			A rare habitat in Iceland . Sites needed	IN MAJ?
X03	Brackish coastal lagoons	IS	ARC			Covered to a very little extent by the current proposed ASCI. Sites needed all around the coast of Iceland	IN MIN/IN MOD?