

## **DRAFT DETAILED CONCLUSIONS ON REPRESENTATION OF BERN CONVENTION RESOLUTION 4 HABITAT TYPES IN EMERALD SITES (ASCIs) OF NORWAY**

### **Conclusion coding:**

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

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

IN MOD (Insufficient moderate): one or several additional SCIs (or extensions of sites) are required to achieve a sufficient coverage of the Emerald network for this species/habitat type (IN MOD GEO means additional site(s) required in a specifically named region).

IN MAJOR (Insufficient major): none of the sites where this species/habitat type occurs have been proposed as ASCIs so far; in order to achieve a sufficient coverage of the Natura 2000 network for the species/habitat type, one or several of these sites must therefore be proposed as ASCIs.

SR (Scientific reserve): further research is required to identify the best sites for this species/habitat type.

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

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 correcting or completing.

### **References**

"Norwegian Redlist for habitats 2011" (NRLH) = <http://www.artsportalen.artsdatabanken.no/#/RodlisteNaturtyper/Vurderinger/>

Artskart map = <http://artskart.artsdatabanken.no>

Vegetation Atlas = Moen, A. 1999 National Atlas of Norway: Vegetation. Norwegian Mapping Authority, Hønefoss.

## Notes

Habitats are listed by numeric code, Column 'Area' shows the number of sites where the proportion of the national population in a site is noted in the database as A (15-100%) B (2-15%) C (0-2%), ? indicates missing data.

There are 710 sites, only 661 sites with Biogeographical region.

| CODE | EUNIS NAME          | REGION   | N° of sites | Relative surface | Comment  | Proposed conclusion      |
|------|---------------------|----------|-------------|------------------|--|--------------------------|
| D1.2 | <i>Blanket bogs</i> | ALPINE   | 8           | 8C               | 2013: 4C, 1 BLANK. Four sites added, one of which is a new site. Relative surface updated.<br>Three sites shared with ATL, one of them also with BOR. Coverage: approx. 614 ha.<br>Sites in Nordland?<br>Conclusion 2013: IN MOD & CD<br>VU (NRLH) – Kystnedbørdsmyr | IN MOD?                  |
| D1.2 | <i>Blanket bogs</i> | ATLANTIC | 23          | 22C, 1D          | 2013: 13C, 2 BLANKS. Eight sites added. Relative surface updated.<br>Three sites shared with ALP, one of them also with BOR. Coverage: approx. 883 ha.<br>Still gap in Southwestern Norway - Rogaland, Hordaland.<br>Conclusion 2013: IN MOD & CD                    | IN MOD ?                 |
| D1.2 | <i>Blanket bogs</i> | ARCTIC   | 1           | 1D               | 2013: 1 BLANK. No new information.<br>Still one site, is the habitat present in Arctic part of the site? Data correction as the habitat does not occur in Arc.<br>Conclusion 2013: Absent & CD   | Excl. from Ref & CD      |
| D1.2 | <i>Blanket bogs</i> | BOREAL   | 1           | 1C               | 2013: 1C. No new information.<br>Only reported from a site with main part in ALP, is the habitat present in the Boreal part of the site?   | Excl. from Ref List & CD |

|      |   |          |    |             |   |         |
|------|---|----------|----|-------------|---|---------|
|      |   |          |    |             | Conclusion 2013: Absent   |         |
| D2.3 | <i>Transition mire and quaking bogs</i> | ALPINE   | 19 | 19C         | 2013: 1B, 3C, 5 BLANKS. Ten sites added. Relative surface updated.<br>One site shared with ATL. Coverage: approx. 679 ha. Compare distribution with <i>Carex chordorrhiza</i> and <i>Rhynchospora</i> sp. Still gap in distribution in Southern Norway, Nordland, Finnmark and few sites are proposed in general as the habitat is frequent.<br>Conclusion 2013: IN MOD & CD<br>LC (NRLH) part of Åpen jordvannsmyr | IN MOD  |
| D2.3 | <i>Transition mire and quaking bogs</i> | ATLANTIC | 20 | 20C         | 2013: 1A, 9C 5 BLANKS. Six new sites, one site deleted. Relative surface updated.<br>One site shared with ALP. Coverage: approx. 308 ha. Compare distribution with <i>Carex chordorrhiza</i> and <i>Rhynchospora</i> sp. Gap in Møre og Romsdal and Trøndelag and few sites are proposed in general as the habitat is frequent.<br>Conclusion 2013: IN MOD & CD   | IN MOD  |
| D2.3 | <i>Transition mire and quaking bogs</i> | ARCTIC   | 2  | 2C          | 2013: 1C, 1 BLANK. Relative surface updated. No new sites. Coverage: approx. 20 ha. Still low coverage.<br>Conclusion 2013: IN MOD & CD.  | IN MOD  |
| D2.3 | <i>Transition mire and quaking bogs</i> | BOREAL   | 10 | 10C         | 2013: 6C, 3 BLANK. Four sites added, three sites deleted. Relative surface updated. Coverage: approx. 233 ha. Few sites proposed in relation to how frequent this habitat is. Need of more sites in the southern part of the region and along the Swedish border.<br>Conclusion 2013: IN MOD & CD   | IN MOD  |
| D3.1 | <i>Palsa mires</i>                      | ALPINE   | 15 | 1A, 3B, 11C | 2013: 2B, 7C, 4 BLANKS. Two sites added. Relative surface updated.  | IN MOD? |

|      |                    |          |    |     |   |                      |
|------|--------------------|----------|----|-----|---|----------------------|
|      |                    |          |    |     | Coverage: approx. 5118 ha.<br>Still better coverage needed in Central and Eastern Finnmark along the Finnish border and Finnmarksvidda.<br>Conclusion 2013: IN MOD & CD<br>EN (NRLH) – Palsmyr  |                      |
| D3.1 | <i>Palsa mires</i> | ATLANTIC | 1  | 1C  | 2013: 1C. No new information.<br>The habitat is not present in the ATL part of the site (only in the Alpine part).<br>Conclusion 2013: Absent   | Excl. from Ref & CD  |
| D3.2 | <i>Aapa mires</i>  | ALPINE   | 45 | 45C | 2013: –. Forty-five added (4 new sites). Six sites shared with ATL and one with ARC.<br>Coverage: approx. 153470 ha.<br>Distribution links well to the Swedish and Finnish distribution except in Finnmark, there are gaps in the central part of Finnmark.<br>Not evaluated 2013<br>NT (NRLH) – Våtmarksmassiv | IN MOD ?             |
| D3.2 | <i>Aapa mires</i>  | ARCTIC   | 1  | 1C  | 2013: –. One site added that is shared with ALP.<br>Is the habitat occurring in Arctic part of the site and not only in the Alpine part?<br>Not evaluated 2013  | Excl. from Ref & CD? |
| D3.2 | <i>Aapa mires</i>  | ATLANTIC | 17 | 17C | 2013: –. Seventeen sites added. Six sites shared with ALP.<br>Coverage: approx. 31395 ha.<br>It is not a typical ATL habitat, no big gaps in distribution.<br>Not evaluated in 2013   | SUF?                 |
| D3.2 | <i>Aapa mires</i>  | BOREAL   | 11 | 11C | 2013: –. Eleven sites added.<br>Coverage: approx. 13197 ha.<br>Southern border of the habitat, not typical for the  | SUF?                 |

|      |  |          |    |         |  |         |
|------|--|----------|----|---------|--|---------|
|      |  |          |    |         | Boreal region, well linked to the distribution in Sweden (and in Finnmark with Finland) no big gaps.<br>Not evaluated in 2013  |         |
| D4.1 | <i>Rich fens, including eutrophic tall-herb fens and calcareus flushed and soaks</i> | ALPINE   | 42 | 42C     | 2013: 2A, 24C, 15 BLANKS. Three sites added, eight deleted, eight sites shared with ATL. Relative surface updated.<br>Coverage: approx. 7830 ha.<br>Still distribution gap in Finnmark.<br>Conclusion 2013: IN MOD<br>EN (NRLH) – Rikare myrflåte i låglandet  | IN MOD? |
| D4.1 | <i>Rich fens, including eutrophic tall-herb fens and calcareus flushed and soaks</i> | ATLANTIC | 44 | 44C     | 2013: 2A, 2B, 31C, 13 BLANKS. Five sites added, nine sites deleted, eight sites shared with ALP. Relative surface updated.<br>Coverage: approx. 4652 ha.<br>Jæren is now covered! Are all top-sites included?<br>Conclusion 2013: IN MOD & CD                  | SUF?    |
| D4.1 | <i>Rich fens, including eutrophic tall-herb fens and calcareus flushed and soaks</i> | BOREAL   | 16 | 16C     | 2013: 16C, 1 BLANK. Two sites added, one of them is a new site, three sites deleted.<br>Still gap southwest Oslo?<br>Coverage: approx. 108 ha.<br>Conclusion 2013: IN MOD & CD   | IN MOD? |
| D4.2 | <i>Basic mountains flushes and streamsides, with a rich arctic-montane flora</i>     | ALPINE   | 30 | 9B, 21C | 2013: 2C. Twenty-nine sites added, one site deleted.<br>Coverage: approx.:20956 ha.<br>Well covered according to the distribution of <i>Carex atrofusca</i> and <i>C. microglochin</i> .<br>Conclusion 2013: IN MOD<br>NT (NRLH) – Arktisk-alpin grunn våtmark | SUF?    |
| D4.2 | <i>Basic mountains flushes and streamsides, with a rich arctic-montane flora</i>     | ATLANTIC | 11 | 4B, 6C  | 2013: –. Ten sites added, three of them are new sites.<br>Coverage: approx. 12660 ha.<br>Marginal in the Atlantic region in South Norway, but seems to be gap in Nordland there the habitat is more  | IN MOD? |

|      |  |          |    |         |   |                 |
|------|--|----------|----|---------|---|-----------------|
|      |  |          |    |         | common in the region according to the distribution of <i>Carex atrofusca</i> and <i>C. microglochin</i><br>Conclusion 2013: absent?   |                 |
| D4.2 | <i>Basic mountains flushes and streamsides, with a reich artic-montane flora</i> | ARCTIC   | 1  | 1B      | 2013: –. One new site.<br>Is the habitat occurring in the Arctic region?<br>Conclusion 2013: SR Ref   | Excl. from Ref? |
| X04  | <i>Raised bog complexes</i>  | ALPINE   | 7  | 7C      | 2013: 2C, 1 BLANK. Four sites added, two are new sites. Relative surface corrected.<br>Coverage: approx. 445 ha.<br>Not typical for the region. Still sufficient.<br>Conclusion 2013: SUF & CD<br>VU (NRLH) – Centrisk høgmyr                           | SUF             |
| X04  | <i>Raised bog complexes</i>  | ATLANTIC | 38 | 35C, 3D | 2013: 1A, 12C, 8 BLANKS. Seventeen new sites.<br>Coverage: approx. 4611 ha.<br>Much better coverage, but still gaps in the SW coastal area.<br>Conclusion 2013: IN MOD & CD   | IN MOD ?        |
| X04  | <i>Raised bog complexes</i>  | BOREAL   | 25 | 24C, 1D | 2013: 11C, 1 BLANK. Thirteen sites added, of which five are new sites.<br>Coverage: approx. 950 ha.<br>Several additions in the middle part of the region but only one more site in the Northern part, still gap there.<br>Conclusion 2013: IN MOD & CD | IN MOD ?        |