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**Group of Experts on
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**Harmonisation between lists of species targeted by
Resolution 6 (1998) of the Bern Convention,
Annex I of the Birds Directive and Annex II of the
Habitats Directive**

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Background

When adopting Resolution 3 (1996) of the Bern Convention which encourages Contracting Parties to set up a pan- European Ecological Network, and Resolution No 5 (1998), concerning the rules for the Network of Areas of Special Conservation Interest (ASCIs) under the Emerald Network, Parties to the Bern Convention aimed at ensuring maximum consistency between the Emerald and the EU Natura 2000 approaches. Resolution 5 (1998) further states that “for Contracting Parties which are Member States of the European Union, Emerald Network sites are those of the Natura 2000”. One of the basic aims was that the Emerald approach should help EU candidate countries to prepare for the Natura 2000 process.

It is thus crucial that the list of species for which Contracting Parties are encouraged to designate ASCIs – therefore listed in Resolution 6 of the Bern Convention - is as consistent as possible with the list of species for which EU Member States have to designate Special Protection Areas (SPAs) under Annex I of the Birds Directive and propose Sites of Community Interest (SCIs) for further designation as Special Areas of Conservation (SACs) under Annex II of the Habitat Directive, as part of the Natura 2000 network.

Due to the successive enlargements of the European Union (1995, 2004 and 2007), the list of species for which Member States have to designate Natura 2000 sites has grown over time to take into account the new ecological context and characteristics of the new countries. Resolution 6 of the Bern Convention has not followed this evolution, although some species were identified as ‘candidate species’.

The present document aims at highlighting the changes needed in Resolution 6 of the Bern Convention, to be consistent with the relevant annexes of the Birds and the Habitats Directives. It is worth underlying that a similar exercise will be developed between the lists of habitats targeted by Resolution 4 (1996) of the Bern Convention and the Annex I of the Habitats Directive in the near future.

Procedure for harmonisation of species lists

Following a request by the Council of Europe Secretariat, and as part of the Memorandum of Cooperation between the Council of Europe and the European Environment Agency, the European Topic Centre on Biological Diversity (ETC/BD) has performed a comparative analysis of the current list of species under Resolution 6 of the Bern Convention and respectively Annex I of the Birds Directive and Annex II of the Habitats Directive.

For the purpose, the ETC/BD compared the most recently updated Resolution 6 of the Bern Convention with the list of species added to Annex I of the Birds Directive and Annex II of the Habitat Directive due to the enlargement process. In addition, the ETC/BD looked at the correspondence between the species listed under the two EU Directives, currently not listed in Resolution 6 and the list of species targeted by Appendices I, II and III of the Bern Convention. The purpose of this analysis is to highlight on which species – to be possibly added - the Contracting Parties of the Bern Convention already have a commitment under this instrument.

The results of the analysis are summarised below. Details of the analysis are available in a separate x-cel format table.

Results of the comparative analysis

- **929 taxa** are currently listed both in the EU Nature Directives (Annex II of the Habitats Directive and Annex I of the Birds Directive) and in the Bern Convention Resolution 6 (including 11 « candidates »).
- To align Resolution 6 with relevant annexes of the EU Nature Directives, ETC/BD identified **156 taxa to be added**, out of which 4 need a further look (e.g for taxonomical reason, geographical distribution): *Oenanthe pleschanka* (Bird), *Vipera ursinii rakosiensis* (Reptile), *Crambe tataria* (Plant) *Poa granitica ssp. disparilis* (Plant).
- **191 taxa** (including 56 « candidates ») are only covered by Resolution 6 and not by the EU Nature Directives. Eight of them need a further look (e.g for taxonomical reason, geographical reason,...): *Pseudophoxinus marathonicus*, *Pseudophoxinus symphalicus*, *Chondrostoma lemingi*, *Padogobius panizzai*, *Leucaspius symphalicus*, *Cobitis aurata* (Fish species), *Poa granitica*, and *Crambe litwinonowii* (Plants).
- In addition to the above-mentioned issues, a number of other taxonomic problems are presented below. They remain to be solved before finalising the alignment of Resolution 6 with relevant annexes of the EU Nature Directives.

Taxa protected at the species level in the EU Nature directives, but listed at the subspecies level in Resolution 6 (and vice versa).

| Taxo group | Resolution 6 | EU Nature Directives |
|------------|-----------------------------------|---|
| Bird | <i>Alectoris graeca saxatilis</i> | <i>Alectoris graeca</i> |
| Bird | <i>Alectoris graeca whitakeri</i> | <i>Alectoris graeca</i> |
| Plant | <i>Poa granitica</i> Br.-Bl. | <i>Poa granitica</i> Br.-Bl. subsp. <i>disparilis</i> |

Taxa not covered by the Resolution 6, protected at the subspecies level in the EU Nature directives, but listed at a different level in the Bern Convention Annexes.

| Taxo group | Bern Conv. (Annex) | EU Nature Directives |
|------------|---|--|
| Bird | <i>Calidris alpina</i> (II) | <i>Calidris alpina schinzii</i> |
| Bird | Whole family of Paridae (II) | <i>Parus ater cypriotes</i> |
| Bird | Whole family of Certhiidae (II) | <i>Certhia brachydactyla dorotheae</i> |
| Reptile | Listed in Annex III of the Bern Convention (All Reptiles not included in Appendix II) | <i>Natrix natrix cypriaca</i> |
| Amphibian | Listed in Annex III of the Bern Convention (All Amphibians not included in Appendix II) | <i>Triturus vulgaris ampelensis</i> |
| Mammal | <i>Microtus ratticeps (oeconomus)</i> (III) | <i>Microtus oeconomus mehelyi</i> |
| Mammal | <i>Rupicapra rupicapra</i> (III), 2 subspecies listed in Resolution 6 | <i>Rupicapra rupicapra tatrica</i> |
| Mammal | <i>Marmota marmota</i> (III) | <i>Marmota marmota latirostris</i> |

Species listed in both Resolution 6 and EU Nature Directives but under a different species name

| Taxo group | Resolution 6 | EU Nature Directives |
|------------|---|-----------------------------------|
| Bird | <i>Casmerodius albus (Egretta alba)</i> | <i>Egretta alba (Ardea alba)</i> |
| Bird | <i>Fringilla coelebs ombrosa</i> | <i>Fringilla coelebs ombriosa</i> |
| Bird | <i>Phalacrocorax pygmaeus</i> | <i>Phalacrocorax pygmeus</i> |
| Bird | <i>Perdix perdix hispaniolensis</i> | <i>Perdix perdix hispaniensis</i> |

| | | |
|-----------|--|---|
| Mammal | <i>Myotis bechsteini</i> | <i>Myotis bechsteinii</i> |
| Mammal | <i>Miniopterus schreibersi</i> | <i>Miniopterus schreibersii</i> |
| Amphibian | <i>Hydromantes supramontes</i> (<i>Speleomantes supramontes</i>) | <i>Hydromantes</i> (<i>Speleomantes</i>) <i>supramontis</i> |
| Amphibian | <i>Salamandra atra aurorae</i> | <i>Salamandra aurorae</i> (<i>Salamandra atra aurorae</i>) |
| Plant | <i>Sorbus teodori</i> | <i>Sorbus teodorii</i> |

Species with exceptions mentioned in EU Nature Directives

| Taxo group | Resolution 6 | EU Nature Directives |
|------------|-----------------------|--|
| Fish | <i>Zingel</i> spp. | <i>Zingel</i> spp. ((o) except <i>Zingel asper</i> and <i>Zingel zingel</i> (V)) |
| Reptile | <i>Vipera ursinii</i> | <i>Vipera ursinii</i> (except <i>Vipera ursinii rakosiensis</i>) |

Taxonomic issues

| Taxo group | Resolution 6 | EU Nature Directives |
|------------|--|--|
| Bird | <i>Puffinus yelkouan mauretanicus</i> (<i>Puffinus puffinus mauretanicus</i>) <i>Puffinus yelkouan yelkouan</i> (<i>Puffinus puffinus yelkouan</i>) | <i>Puffinus puffinus mauretanicus</i> (<i>Puffinus mauretanicus</i>) <i>Puffinus yelkouan</i> |
| Bird | <i>Oenanthe cypriaca</i> (<i>Oenenathe pleschanka cypriaca</i>) | <i>Oenanthe cypriaca</i> <i>Oenanthe pleschanka</i> |
| Plant | <i>Crambe litwinonowii</i> | In the Habitat Directive <i>Crambe tataria</i> Sebeok is listed <i>C. tataria</i> is the valid name of <i>C. litwinowii</i> K. Gross (according to PESI), and the Resolution 6 of the Bern Convention mentioned <i>C. litwinonowii</i> (maybe a misspelling name of <i>C. litwinowii</i> K. Gross?) |

Uncertainties on the species presence in the EU Directive

| Taxo group | Resolution 6 | EU Nature Directives |
|------------|------------------------------------|--|
| Fish | <i>Pseudophoxinus marathonicus</i> | Could be protected under the genus <i>phoxinellus</i> (Important note from EUNIS : although this species does no longer belong to genus <i>phoxinellus</i> , it has been the case since implementation of the Directive. Thus, some inventories might take it into account as a listed species.) |
| Fish | <i>Pseudophoxinus stymphalicus</i> | |

Taxa listed twice in Resolution 6

| Taxo group | Resolution 6 | Comment |
|------------|-----------------------------------|--|
| Fish | <i>Chondrostoma lemingi</i> | The species name <i>Chondrostoma lemmingii</i> is a synonym of <i>Rutilus lemmingi</i> (already listed in resolution 6) covers by the Habitat Directive. According to Fishbase, the valid name is <i>Iberochondrostoma lemmingii</i> . |
| Fish | <i>Padogobius panizzai</i> | The species name <i>Padogobius panizzai</i> is a synonym of <i>Knipowitschia panizzae</i> (already listed in resolution 6) covers by the Habitat Directive. According to Fishbase, the valid name is <i>Knipowitschia panizzae</i> . |
| Fish | <i>Leucaspius stymphalicus</i> | Synonym of the potential EU protected species <i>Pseudophoxinus stymphalicus</i> according to EUNIS, and of the non EU protected species <i>Pseudophoxinus stymphalicus</i> according to Fishbase. |
| Fish | <i>Cobitis aurata</i> | Sometimes considered as a synonym of <i>Sabanejewia aurata</i> (according to EUNIS and Fishbase) which is already listed in Resolution 6. |
| Fish | <i>Coregonus oxyrhynchus</i> | Listed twice as candidate and as covered by Resolution 6 |
| Fish | <i>Chalcalburnus chalcoides</i> | Listed twice as candidate and as covered by Resolution 6 |
| Reptile | <i>Coluber cypriensis</i> | Listed twice as candidate and as covered by Resolution 6 |
| Bird | <i>Puffinus yelkouan yelkouan</i> | Listed twice as candidate and as covered by Resolution 6 |

Other issues

Centranthus kellererii listed as such in Appendix I of the Bern Convention but under the name *Centranthus kellereri* in Resolution 6. According to EUNIS, *Centranthus longiflorus* subsp. *kellereri* (Stoj., Stef. & Georgiev) I.Richardson is the valid reference.

Useful links & info

EUNIS : <http://eunis.eea.europa.eu>

Fishbase : <http://www.fishbase.org/search.php>

PESI : <http://www.eu-nomen.eu/portal/search.php?search=adv>