



Detailed draft conclusions on the representation of bird species from Res. No. 6 (1998) of the Bern Convention in Emerald Network Sites in Liechtenstein

Important Notes:

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

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.

Reference:

"BFL": Bird Atlas of Liechtenstein: Willi, G., 2019. Brutvogelatlas des Fürstentums Liechtenstein Naturkundliche Forschung im Fürstentum Liechtenstein, BAND 31, ISBN 978-3-9523234-8-9, 181 pp.

| Code | Species Name | Country iso | Sites 2021 | population assessment 2021 | Draft Conclusion Comments | Draft Conclusion |
|----------------------|--------------------------|----------------|---------------|----------------------------------|---|------------------|
| Ciconiiformes | | | | | | |
| A031 | <i>Ciconia ciconia</i> | LI | 1 | (1A) | BiE3: Br=(p2-6) SDF: c=(5- 50i). BFL:Br=(p6-15); The species breeds in the valley north of Schaan and near Ruggell; The species nests also close to site 1, possibly it is appropriate to enlarge the site boundary. | IN MOD? |
| Falconiformes | | | | | | |
| A072 | <i>Pernis apivorus</i> | LI | 1 | (1A) | BiE3: Br=(p1-3) SDF: r= (1- 2p). BFL:(p2-4); This is a forest species, the site where it is protected could serve only as foraging habitat. No breeding habitat in the network - none suitable forest habitats (e.g. on the slopes of the Rhine valley) are included within the Emerald network sites. | IN MOD? |
| A073 | <i>Milvus migrans</i> | LI | 1 | (1A) | BiE3: Br=(p3-4) SDF: r= (1- 2p). BFL: Br=(p5-8); The species is particularly widespread in the broad valley plain area between Schaan and Eschen and in the Ruggeller Riet area. | IN MOD? |
| A074 | <i>Milvus milvus</i> | LI | 1 | (1A) | BiE3: Br=(p1-2) SDF: c= (1- 2p). BFL: Br=(p4-6); The species is especially widespread in the Ruggeller Riet, near Eschen and in the Balzers area. | IN MOD? |
| A091 | <i>Aquila chrysaetos</i> | LI | | | No site. BiE3: Br=(p0-1). BFL: Br=(p0-2); The Emerald network sites do not include any suitable habitats in mountainous areas and larger forests nor foraging habitats (e.g. in Triesenberg; Balzers). | IN MAJ? |
| A103 | <i>Falco peregrinus</i> | LI | 2 | (2B) | BiE3: Br=(p0-2) SDF: c=(0- 2i) (0- 2p). BFL: Br=(p2-4); Emerald Network sites do not include rocky sites in contact with open countryside (e.g. in Balzers; on the slopes of the Rhine valley), only foraging habitats. | IN MOD? |
| Galliformes | | | | | | |
| A104 | <i>Bonasa bonasia</i> | LI | | | No site. BiE3: Br=(p10-15). BFL: Br=(p10-15); Suitable sites are in 700-1700 m altitudes on the side slopes of the Rhine valley and in mountainous areas (e.g. north of Sücka). | IN MAJ? |
| A108 | <i>Tetrao urogallus</i> | LI | | | No site. BiE3: Br=(c2-4). BiE3: Br=(c2-4); BFL: Br=(male1-3); The Emerald network sites do not include larger forest complexes on the slopes of the Rhine valley and further in the Alpine area. | IN MAJ? |

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| A109 | Alectoris graeca | LI | | | No site. BiE3: Br=(p1-4); BFL: Br=0; The species was not recorded in the last mapping. Emerald network sites do not include open grassland areas on slopes with scattered rocks, bushes and trees at subalpine and alpine altitudes. | SR? |
| Gruiformes | | | | | | |
| A122 | Crex crex | LI | 1 | (1A) | BiE3: Br=(c1-2) SDF: r= (0 - 2males); BFL: Br=(male 0-3); Add Eschner Riet site. The population is subject to wide fluctuations. | IN MOD? |
| Strigiformes | | | | | | |
| A215 | Bubo bubo | LI | | | No site. BiE3: Br=(p4-5); BFL: Br= (p3-5); It would be advisable to add suitable sites on the lower slopes of the Rhine valley to the Emerald network. | IN MAJ? |
| A217 | Glaucidium passerinum | LI | | | No site. BiE3: Br=(p6-10); BFL: Br=(p6-10); It would be advisable to add suitable sites at higher altitudes from 1200 m above sea level to the Emerald network. | IN MAJ? |
| A223 | Aegolius funereus | LI | | | No site. BiE3: Br=(p5-20); BFL: Br=(p2-4); Emerald localities in subalpine spruce forests are lacking. | IN MAJ? |
| Coraciiformes | | | | | | |
| A229 | Alcedo atthis | LI | | | No site. BiE3: Br=(p4-5); BFL: Br=(p3-6); The species occurs in the valley area from Balzers to Ruggell. Suitable to supplement areas with aquatic habitats, especially along the Rhine. | IN MAJ? |
| Piciformes | | | | | | |
| A234 | Picus canus | LI | | | No site. BiE3: Br=(p1-2); BFL: Br=(p4-8); The species occurs in the valley on the lower reaches of the Samina River between 1000-1300 m a.s.l. and in forest areas on slopes at 800-1400 m a.s.l. | IN MAJ? |
| A236 | Dryocopus martius | LI | | | No site. BiE3: Br=(p20-30); BFL: Br=(p25-30); It is suitable to add to the Emerald network site(s) in 600-1700 m altitudes on the side slopes of the Rhine valley and in mountainous areas (e.g. Eschnerberg). | IN MAJ? |
| A239 | Dendrocopos leucotos | LI | | | No site. BiE3: Br=(p4-8); BFL: Br=(p10-15); The species occurs on the slopes of the Rhine valley from the Balzers to the Maurerberg and in the lower part of the Samina valley from 650 m to 1400 m. | IN MAJ? |

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| A241 | Picoides tridactylus | LI | | | No site. BiE3: Br=(p15-25), BFL: Br=(p12-18); The species occurs at higher altitudes, e.g. on the slopes of the Rhine valley from 950 m and in the mountain area to just above 1700 m. | IN MAJ? |
| Passeriformes | | | | | | |
| A338 | Lanius collurio | LI | 1 (1A) | | BiE3: Br=(p7-10) SDF: r= (3- 4p); BFL: Br=(p4-8); The species occurs mainly in the Ruggeller Riet and in Eschen. | SUF?/IN MOD? |
| Non-Res. 6 migratory birds | | | | | | |
| AAA1 | Non-Res. 6 migratory birds: 20000 waterfowl; 10000 pairs of seabirds for one or more species (IBA criterion A4iii) | LI | | | The criteria on migratory birds will be discussed during the seminar | |
| Non-Res. 6 migratory birds | | | | | | |
| AAA2 | Non-Res. 6 migratory birds: 1% threshold (crit. B1i-iii) | LI | | | The criteria on migratory birds will be discussed during the seminar | |
| Non-Res. 6 migratory birds | | | | | | |
| AAA3 | Non-Res. 6 migratory birds: 'bottleneck' sites holding >5000 storks, >3000 raptors and cranes (IBA criterion B1iv) | LI | | | The criteria on migratory birds will be discussed during the seminar | |