



Detailed draft conclusions on the representation of plant species from Res. No. 6 (1998) of the Bern Convention in proposed Emerald Network Sites in Belarus, the Republic of Moldova and Ukraine (Alpine, Boreal, Continental, Pannonian and Steppic)



Important Notes:

1. This file includes all conclusions which previously were insufficient (IN MIN, IN MOD, IN MAJ, SR) and thus they are of high priority for discussion.

2. Glossary:

SUF (Sufficient): the occurrence of the species/habitat type is sufficiently well covered by the current ASCIs; 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 of sites that have already been proposed for other species/habitat types.

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

IN MAJ (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 Emerald network for the species/habitat type, one or several of these new ASCIs must therefore be proposed.

SR (Scientific reserve): further research is required to identify the most appropriate ASCIs 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 List (Scientific reserve on the Reference List): the regular occurrence of this species/habitat type is still uncertain and needs to be confirmed

Delete from Ref List (delete from the Reference List), (for Plants also "Excl. Ref."): 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 correcting or completing.

The fields for the conclusions and comments of the previous seminars relate to different first seminars: for the Boreal region, the seminar took place in Petrozavodsk in September 2015, for the Alpine, Continental and Pannonian regions, the seminar took place in Chisinau in May 2016 and for the Steppic region they relate to the seminar in Kiev in September 2016.

Previously SUF decisions will be re-opened (discussed) only if significant negative changes occurred which calls for a review of the sufficiency assessment or if there is significant new information. So-called "low priority conclusions" are given in a separate document.

Code	Species Name	iso	biogeo	Final Conclusion previous seminar	Final Comments previous seminar	pASCI 2018	pop. assessment 2018	Draft Conclusion Comments 2019	Draft Conclusion 2019
1381	Dicranum viride	BY	BOR	IN MAJ	6 sites	1	(1C)	SDF: p(3- 5localities); the previous seminar mentioned 6 possible sites. Species added to one C-site in the boreal region. Is this the only site in boreal region ? IN MOD ?	IN MOD ?
1381	Dicranum viride	BY	CON	IN MOD		4	(4C)	SDF: p(14- 26localities); species added to 3 sites. In total for whole country, 5 C-sites representing less than 10% of national total. Still IN MOD ?	IN MOD ?
1381	Dicranum viride	UA	ALP- Car	SR	distribution	3	(3B)	SDF: p(253- 1500i); Is the SR for distribution resolved ? 3B sites remain unchanged ?	?
1381	Dicranum viride	UA	CON	IN MOD		4	(1A 1B 2C)	SDF: p(3052- 500i); 1 site changed from B to A habitat assessment category. Total number of sites unchanged. Previous conclusions was IN MOD. No new sites ?	?
1386	Buxbaumia viridis	UA	ALP- Car	IN MIN	1 site	3	(1A 2B)	SDF: p(1003- 2500i); 1 site added and 1 site changed from B to A population category, probably SUF ?	Probably SUF ?
1386	Buxbaumia viridis	UA	CON	SR REF			?	Was the SR REF resolved ?	SR REF ?
1389	Meesia longiseta	BY	BOR	IN MAJ	3 sites			no change; previous conclusion mentioned 3 sites	IN MAJ
1389	Meesia longiseta	BY	CON	IN MAJ		1	(1A)	SDF: p(3- 4localities); 1A site could be SUF ? Is this the only site ? Distribution ?	?
1393	Drepanocladus vernicosus /6216 Hamatocaulis vernicosus	BY	BOR	IN MAJ	present in ~ 15 locations	3	(1B 2C)	SDF: p(40- 90localities); species added to 2 sites with together between 40-90 localities. Previous seminar mentioned 15 localities. 1B 1C sites represent up to 17% of national total (1B 3C, up to 21%). Still IN MOD/IN MIN ?	?
1393	Drepanocladus vernicosus /6216 Hamatocaulis vernicosus	BY	CON	IN MOD	3 sites	2	(2C)	SDF: p(10- 30localities); species added to 1 site and 1 site unchanged with together between 10-30 localities. Previous seminar mentioned "IN MOD 3 sites". 2C sites represent rather low percentage. Still IN MOD/IN MIN ?	IN MOD/IN MIN ?
1393	Drepanocladus vernicosus /6216 Hamatocaulis vernicosus	UA	ALP- Car	IN MOD/SR		1	(1B)	SDF: p(501- 1000i); has the SR been resolved ? No change according to previous seminar. Still IN MOD ?	?

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1393	Drepanocladus vernicosus /6216 Hamatocaulis vernicosus	UA	CON	IN MOD		3	(1A 1B 1C)	SDF: p(10602- 1250i); Number of sites not changed. 1 site changed from B to A population assessment. 1A1B1C sites represent minimally 17 % of national total (1A2B1C = minimally 19%) ?	?
1419	Botrychium simplex	BY	BOR	SR	Necessary to clarify BOR/CONT region borderline			has the SR been clarified (BOR/CON regions borderline)	?
1419	Botrychium simplex	BY	CON	IN MOD/CD		1	(1A)	no change according to previous seminar: IN MOD/CD	IN MOD/CD ?
1428	Marsilea quadrifolia	MD	STE	IN MIN	1 site			no change according to previous seminar: IN MIN - 1 site	IN MIN
1428	Marsilea quadrifolia	UA	CON	IN MOD		3	(2B 1D)	SDF: p(353- 850i); species deleted from 2B sites and added to 3 (2B 1D); not really a change. IN MOD ?	IN MOD ?
1428	Marsilea quadrifolia	UA	PAN	IN MAJ		1	(1A)	SDF: p(501- 1000i); species added to 1 site. If site evaluation is correct, 1A site represent minimum 15% of national total; probably SUF ?	Probably SUF ?
1428	Marsilea quadrifolia	UA	STE	IN MIN/SR	1 site (on the border of Romania)	1	(1A)	SDF: p(1001- 2000i); species added to 1 site. If site evaluation is correct, 1A site represent minimum 15% of national total; probably SUF, assuming the SR has been resolved ?	Probably SUF ?
1437	Thesium ebracteatum	BY	BOR	IN MOD		4	(3C 1D)	SDF: p(170- 290i); 1 sites upgraded from D to C population assessment, 2 sites added (1C 1D). Possibly SUF ?	Probably SUF ?
1437	Thesium ebracteatum	BY	CON	IN MOD		15	(1B 12C 2D)	SDF: p(741- 1022i); 1 sites upgraded from D to C population assessment, 1 sites added (1C). National total 1B15C3D representing maximally 45%) Possibly SUF ?	Probably SUF ?
1437	Thesium ebracteatum	UA	CON	IN MOD		8	(3A 3B 2C)	SDF: p(1111- 2370i); species added to 4 sites, 2 sites upgraded from C to A and 1 site downgraded from B to C population assessments. Possibly SUF ?	Probably SUF ?

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1477	Pulsatilla patens	BY	BOR	IN MOD		14	(2B 10C 2D)	SDF: p(3190- 4600i); species added to 4 sites (2C 2D), 3 sites with upgraded population assessments and 7 sites unchanged. Possibly SUF ?	Probably SUF ?
1477	Pulsatilla patens	BY	CON	IN MOD		21	(1A 2B 15C 3D)	SDF: p(1195- 1610i); species deleted from 1 site, added to 4 sites, 1 site upgraded from C to B population assessment and 16 sites unchanged. Possibly SUF ?	Probably SUF ?
1477	Pulsatilla patens	UA	ALP-Car			2	(1B 1C)	SDF: p(151- 100i); 2 sites split over CON and PAN regions. Previous seminar not discussed. Is the species present in the ALP part ? EXCL REF ?	?
1477	Pulsatilla patens	UA	CON	SUF/CD		66	(8A 44B 11C 3D)	SDF: p(19860- 34125i); species deleted from 7 sites , added to 20 sites, population assessment reviewed for 13 sites and 33 sites unchanged. 8A sites represent already >100%: CD still needed. Please confirm SUF ?	Still SUF ? /CD
1477	Pulsatilla patens	UA	STE	IN MOD	E	9	(1A 6B 1C 1D)	SDF: p(1281- 3810i); species added to 1 B-site in the East, population assessment reviewed for 2 sites and 6 sites unchanged. Possibly SUF ?	Probably SUF ?
1516	Aldrovanda vesiculosa	BY	BOR	SUF		2	(1B 1C)	SDF: p(150- 600i); species delted from 1 site and population assessment modified from C to B for 1 site. Does this correspond to the SUF situation from previous seminar ?	Still SUF ?
1516	Aldrovanda vesiculosa	BY	CON	IN MOD/CD		6	(3A 2B 1C)	SDF: p(1300- 10500i). No change in number of sites. Population assessment for 1 site changed from D to B. As indicated during previous seminar: "bordering N2000 site in Poland suggest possible important area in North-West corner of Continental region (IN MIN if existing site) Still in MOD ?	IN MOD ?
1516	Aldrovanda vesiculosa	MD	STE	IN MIN	2 sites			No change according to previous seminar (IN MIN, 2 sites)	IN MIN ?

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1516	Aldrovanda vesiculosa	UA	CON	SUF		27	(5A 19B 3C)	SDF: p(12723- 39650i); species deleted from 1 site, added to 4 sites and population assessment changed for 5 sites. Together with STE, to many A-sites, CD = need to review poulation assessments. Change map also to be compared with change map for the habitat of the species C1.226. Possibly still SUF ?	Still SUF ? /CD
1516	Aldrovanda vesiculosa	UA	STE	SUF		9	(4A 4B 1C)	SDF: p(4208- 29500i); species deleted from 2 sites, no sites added and population assessment changed for 5 sites. Together with STE, to many A-sites, CD = need to review poulation assessments. Change map also to be compared with change map for the habitat of the species C1.226. Possibly still SUF ?	Still SUF ? /CD
1528	Saxifraga hirculus	BY	BOR	IN MOD	5 more locations	3	(1B 2C)	SDF: p(30- 200i); species deleted from 1 site, added to 2 and 1 site unchanged. Previous conclusion IN MOD, 5 localities. Still IN MOD ?	IN MOD ?
1528	Saxifraga hirculus	BY	CON	EXCL REF/CD		1	(1A)	previous conclusion EXCL REF/CD. Species deleted from 2 sites, but 1 A site remaining ? Has the species presence been confirmed ?	?
1528	Saxifraga hirculus	UA	CON	IN MIN	6 sites	6	(2A 4B)	SDF: p(403- 700i); species deleted from 2 sites, added to 3 sites, population assessment changed for 1 site and 2 sites unchanged. Previous conclusion, IN MIN 6 sites ?	?
1617	Angelica palustris	BY	BOR	IN MAJ	2 locations	3	(1B 2C)	SDF: p(20- 30i); species added to 2 sites corresponding to previous conclusion "IN MAJ 2 localities" ? Possibly SUF ?	Probably SUF ?
1617	Angelica palustris	BY	CON	IN MOD/CD	E part	3	(1A 1B 1C)	SDF: p(20- 30i); no change according to previous seminar. Also the Red Book of Belarus indicates a few areas in the East, but does not mention the site in the South ? IN MOD ? CD ?	IN MOD ?
1617	Angelica palustris	UA	CON	IN MIN/CD	3 sites	36	(5A 19B 10C 2D)	SDF: p(9310- 51690i); species deleted from 1 site, added to 18 sites, population assessments reviewed for 5 sites and 13 sites unchanged. Population assessments probably to high ? CD ? Probably SUF ?	Pobably SUF ?

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1617	Angelica palustris	UA	STE	IN MIN		7	(1A 4B 1C 1D)	SDF: p(1353- 1100i); species deleted from 1 site, added to 3 sites (2 overlapping with CON), population assessment reviewed for 1 site and 3 sites unchanged. Population assessments probably to high ? CD ? Probably SUF ?	Pobably SUF ?
1758	Ligularia sibirica	UA	ALP-Car	IN MIN	2 sites	3	(2A 1B)	SDF: p(753- 2500i); species added to 2 sites. Probably SUF ?	Probably SUF ?
1758	Ligularia sibirica	UA	CON	IN MIN	2 sites	2	(1A 1B)	SDF: p(1002- 10005i); no change according to previous seminar with conclusion "IN MIN 2 sites" ?	IN MIN ?
1758	Ligularia sibirica	UA	PAN			1	(1A)	SDF: p(251- 500i). Species added to a site with very small part in PAN region. Probably not present ? EXCL REF ?	EXCL REF ?
1805	Jurinea cyanoides	BY	BOR	IN MAJ	2 more locations, e.g.Gronovo			No change according to previous seminar. IN MAJ ? 2 more localities ?	IN MAJ ?
1805	Jurinea cyanoides	BY	CON	IN MOD		9	(3B 5C 1D)	SDF: p(1620- 2160i); species added to 3 sites, population assessment modified for 2 sites and 4 sites unchanged. Probably SUF ?	Probably SUF ?
1805	Jurinea cyanoides	UA	CON	IN MOD		33	(5A 20B 7C 1D)	SDF: p(3398- 7300i); species added to 10 sites, population assessments modified for 9 sites and 14 unchanged sites. Population assessments to high. Need for CD. Possibly SUF ?	Probably SUF ? /CD
1805	Jurinea cyanoides	UA	STE	IN MOD		11	(8B 2C 1D)	SDF: p(598- 910i); species added to 5 sites, population assessment changed for 1 site (from A to B) and 5 sites unchanged. Probably SUF ?	Probably SUF ?
1831	Luronium natans	MD	CON	SR REF				No Map. Species deleted from 2 sites. No sites left. Has the SR REF been resolved ?	?
1832	Caldesia parnassifolia	BY	CON	SR REF	1 locality			No Map. Species deleted from 1 site. No sites left. Has the SR REF been resolved ?	?
1833	Najas flexilis	BY	BOR	IN MOD		2	(1B 1C)	SDF: p(20- 50i); species added to 1 site and population assessment modified for 1 site (from C to B).	?

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1833	Najas flexilis	BY	CON	SR REF/CD		1	(1A)	No change according to previous seminar. Has the SR REF been relived ? The Red Book of Belarus (as Caulinia flexilis) suggest two other locations, and not in the South ?	?
1897	Carex panormitana	BY	CON	EXCL REF/CD		1	(1C)	Species deleted from 2 site and 1 site unchanged. Still EXCL REF/CD	?
1898	Eleocharis carniolica	MD	STE			1	(1A)	Species for the first time added to 1 site. New discovery ? If only site known, probably SUF ?	probably SUF ?
1898	Eleocharis carniolica	UA	ALP- Car	IN MOD	Tisza	1	(1A)	SDF: p(1000- 0i); species deleted from 2 sites and population assessment changed from B to A for 1 site. Does the additional site include the area "Tisza" as mentioned in previous conclusion ? If only site, probably SUF ?	?
1898	Eleocharis carniolica	UA	CON	SUF				species deleted from all 3 sites. Previous conclusion was SUF. Was the distribution reviewed and deletions justified ?	?
1898	Eleocharis carniolica	UA	PAN	IN MOD		1	(1A)	SDF: p(1000- 0i); species added to a single site which is only 2% within the PAN region. Previous conclusion "IN MOD" referring to bordering N2000 sites in Romania and Slovakia ?	?
1902	Cypripedium calceolus	BY	BOR	IN MOD	1 site - Cherikovsky	4	(1A 3C)	SDF: p(500- 1000i); species deleted from 1 site, added to 3 sites and population assessment changed from B to A for 1 site. Is the area "Cherikovsky", as mentioned in previous conclusion, covered by the new sites ? If yes, probably SUF ?	Probably SUF ?
1902	Cypripedium calceolus	BY	CON	IN MOD		20	(2A 8B 9C 1D)	SDF: p(762- 4135i); species added to 1 site and 19 sites unchanged. Red Book of Belarus (p. 200) is showing a few localities in South-East ?	?
1902	Cypripedium calceolus	MD	CON	IN MOD		4	(4C)	No change according to previous seminar.	IN MOD

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1902	Cypripedium calceolus	UA	CON	IN MIN	4 sites Kiev Region	29	(4A 20B 1C 4D)	SDF: p(1073- 1701i); species deleted from 4 sites, added to 7 sites, population assessments reviewed for 5 sites and 17 sites unchanged. Previous conclusion mentioned "4 sites Kiev Region". Is part of the added sites covering the Kiev Region ? Population assessments to high: need for CD ? Possibly SUF ?	Probably SUF ? /CD
1902	Cypripedium calceolus	UA	STE	IN MIN	1 site in Crimea	4	(2B 2C)	SDF: p(108- 275i); species added to 1 site in Crimea, population assessment changed from B to C for 1 sites and 2 sites unchanged. Possibly SUF ?	Probably SUF ?
1903	Liparis loeselii	BY	BOR	SR	1 location (BOR/CONT region?)	9	(1A 1B 7C)	SDF: p(320- 635i); species deleted from 1 site, added to 2 sites, population assessment modified for 2 sites and 4 sites unchanged. Has the SR been resolved ? Possibly SUF ?	Probably SUF ?
1903	Liparis loeselii	BY	CON	IN MOD	N part	2	(2C)	SDF: p(0- 0i); no change according to previous seminar. No new sites in N part ? The Red Data Book of Belarus (p. 137) also indicates more localities. IN MOD ?	IN MOD ?
1903	Liparis loeselii	UA	ALP- Car			1	(1B)	SDF: p(51- 100i); species added to 1 site. Is this the only site in ALP ? Possibly SUF ?	?
1903	Liparis loeselii	UA	CON	IN MIN	4 sites	23	(2A 6B 14C 1D)	SDF: p(1589- 1715i); species deleted from 1 site, added to 10 sites, population assessments modified for 2 sites and 11 sites unchanged. Possibly SUF ?	Probably SUF ?
1903	Liparis loeselii	UA	PAN			1	(1B)	SDF: p(51- 100i); Single site with very small part within PAN region (only 2%). Is species present ? EXCL REF ?	EXCL REF ?
1903	Liparis loeselii	UA	STE	IN MIN	1 site	3	(1B 2C)	SDF: p(23- 70i); Species added to 1 site, population assessment modified from B to C for 1 site and 1 unchanged site. Possibly SUF ?	Probably SUF ?
1939	Agrimonia pilosa	BY	BOR	IN MOD		13	(3B 10C)	SDF: p(1050- 2050i); species added to 6 sites, population assessments modified for 3 sites and 4 sites unchanged. Possibly SUF ?	Probably SUF ?
1939	Agrimonia pilosa	MD	STE	SR				Was the SR resolved ?	?

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1939	Agrimonia pilosa	UA	ALP- Car	IN MOD		3	(3B)	SDF: p(553- 1100i); No change according to previous seminar. IN MOD ?	IN MOD ?
1939	Agrimonia pilosa	UA	CON	SUF		17	(2A 11B 3C 1D)	SDF: p(8773- 6625i); species deleted from 5 sites, added to 9 sites, population assessment reviewed for 5 sites and 5 sites unchanged. Still SUF ?	Still SUF ?
1940	Alisma wahlenbergii	BY	BOR	IN MAJ	1 locality	1	(1C)	Scandinavian species from Finland and Sweden with a preferred habitat of marine inlets and transitional waters. Isolated population ? Is the population assessment correct ?	?
1951	Cinna latifolia	BY	CON	EXCL REF/CD		1	(1A)	Species still in need of deletion from the site.	EXCL REF/CD
1954	Dianthus arenarius ssp. arenarius	BY	CON			1	(1A)	Species added to 1 site with "A" population assessment. Single site ? Possibly SUF ?	Probably SUF ?
1962	Moehringia laterifolia	BY	BOR	SR REF				was the SR REF resolved ?	?
1962	Moehringia laterifolia	BY	CON	IN MOD		1	(1A)	no change according to previous seminar. IN MOD ?	IN MOD ?
1962	Moehringia laterifolia	UA	CON	SR REF				was the SR REF resolved ?	SR REF ?
1982	Encalypta mutica	UA	STE	IN MIN	1 site	4	(3A 1B)	SDF: p(1003- 2000i); species added to 2 sites and 2 sites unchanged. Probably SUF ?	Probably SUF ?
2073	Dianthus hypanicus	UA	CON			1	(1D)	SDF: p(100- 100i); species added to 1 site, only partial with the CON region. Is the species really present in this part ?	?
2073	Dianthus hypanicus	UA	STE	IN MOD		7	(3A 3B 1D)	SDF: p(3854- 1013600i); species added to 2 sites, population assessments modified for 2 sites and 3 sites unchanged. Possibly SUF ?	Probably SUF ?
2081	Silene cretacea	UA	CON			1	(1B)	SDF: p(11- 25i); species added to 1 site. Typical steppe species. Possibly SUF ?	Probably SUF ?
2081	Silene cretacea	UA	STE	IN MOD		12	(3A 9B)	SDF: p(569- 900i); species added to 3 sites, population assessment modified for 2 sites and 7 sites unchanged. Possibly SUF ?	Probably SUF ?

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2093	Pulsatilla grandis	MD	CON	IN MOD/CD	pop assessment	5	(1B 4C)	species added to 4 sites and 1 site unchanged. Previous seminar concluded on CD for pop assessments. Have they been confirmed (1B4C sites represent between 2 and 23% of national total) ?	?
2093	Pulsatilla grandis	MD	STE	IN MOD	3 sites	2	(2C)	No change according to previous seminar (IN MOD, 3 sites) ?	IN MOD ?
2093	Pulsatilla grandis	UA	CON	IN MIN		22	(4A 14B 4D)	SDF: p(14298- 5670i); species added to 9 sites, population assessment modified for 2 sites and 11 sites unchanged. Possibly SUF ?	Probably SUF ?
2093	Pulsatilla grandis	UA	STE	IN MIN		1	(1B)	SDF: p(26- 100i); species added to 1 site, but at the same time deleted from the other single site in the STE region ? Should we keep IN MIN ?	?
2098	Paeonia tenuifolia	UA	STE	SUF		40	(7A 26B 7C)	SDF: p(16042- 35665i); species deleted from 3 sites but added to 16 sites, population assessments modified for 7 sites and 17 sites unchanged. CD = Population assessments to high (7A26B > 100%)	SUF/CD
2110	Crambe koktebelica	UA	STE	SUF		7	(3A 4B)	SDF: p(1702- 850i); species deleted from 1 site, population assessment changed for 2 sites (from B to A and from A to B) and 5 unchanged. Still SUF ?	Still SUF ?
2116	Schivereckia podolica	MD	CON	IN MAJ		9	(9C)	Species added to 9 sites. If population assessments are correct, 9C sites represent up to 18% of national total. Looks rather low ?	?
2116	Schivereckia podolica	MD	STE					No change according to previous seminar: "IN MIN, 2 sites"	?
2116	Schivereckia podolica	UA	STE	IN MAJ/IN MIN	1- 2 sites	3	(1B 2C)	SDF: p(62- 200i); species added to 3 sites. Possibly SUF ?	Probably SUF ?
2136	Astragalus tanaiticus	UA	CON			1	(1B)	SDF: p(26- 50i); species added to 1 site. Typical steppe species. Not a continental species. Possibly SUF ?	Probably SUF ?
2136	Astragalus tanaiticus	UA	STE	IN MOD		10	(2A 7B 1C)	SDF: p(556- 900i); species deleted from 1 site, added to 2 sites, population assessment changed from A to B for 1 site and 7 sites unchanged. Possibly SUF ?	Probably SUF ?

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2139	Genista tetragona	MD	CON			4	(1B 3C)	species added to 4 sites. No population data indicated. If site assessment is correct, 1B3C sites represent between 2 and 21% of national total. Distribution data as given by the country indicates a wider range? IN MOD ?	IN MOD ?
2139	Genista tetragona	MD	STE	IN MOD	1 site			no change according to previous seminar. IN MOD - 1 site ?	IN MOD ?
2139	Genista tetragona	UA	STE	SUF		1	(1B)	SDF: p(1- 100i); single site modified from A to B, representing only 2 to 15% of national total. If this is correct, other areas might be important ?	?
2172	Vaccinium arctostaphylos	BY	BOR	EXCL REF/CD		4	(1C 3D)	SDF: p(40- 40i); As indicated during previous seminar, this Caucasian species should be deleted from the database.	EXCL REF/CD
2172	Vaccinium arctostaphylos	BY	CON	EXCL REF/CD		1	(1D)	As indicated during previous seminar, this Caucasian species should be deleted from the database.	EXCL REF/CD
2186	Syringa josikaea	UA	ALP-Car	IN MOD		3	(2A 1B)	SDF: p(403- 850i); 2 sites added, 1 site upgraded from B to A. Probably SUF ?	probably SUF ?
2186	Syringa josikaea	UA	PAN	EXCL REF/CD		1	(1A)	SDF: p(251- 500i); species deleted from 1 site (CD from previous seminar) but it does not apply to this remaining single site, as it is overlapping 2 biogeo regions and it was already decided not to include the species for the PAN-region.	EXCL REF
2201	Onosma polyphylla	UA	STE	IN MIN		9	(3A 6B)	SDF: p(1803- 300i); species added to 1 site, population assessments adjusted for 5 sites according to present knowledge ? Probaly SUF ?	probably SUF ?
2249	Carlina onopordifolia	MD	CON	IN MIN	1 site			1 site ? no change according to previous seminar	IN MIN
2267	Lagoseris purpurea	UA	STE	IN MOD	1 site	5	(3A 2B)	SDF: p(401- 351i); no change in number of sites. One site moved from A to B and 2 sites moved from B to A, but no additional site. Are the changes based on new surveys ?	?

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2271	Serratula tanaitica	UA	STE	IN MOD		3	(2A 1C)	SDF: p(102- 350i); species added to one site. if population evaluations correct, 2A1C sites represent between 30 and 100% of the national total. Is the population now sufficiently covered ? Probably SUF ?	probably SUF ?
2287	Colchicum fominii	MD	STE	IN MIN	1 site	2	(1B 1C)	Species added to 2 sites. No population data specified. If population assessments are correct 1B1C sites represent between 2 and 17% of national total. Previous conclusion (IN MIN 1 site) fulfilled. Probably SUF ?	?
2292	Fritillaria montana	MD	CON			5	(5B)	species newly added to 5 sites. If population assessments correct, 5 B-sites represent between 10 and 75% of national total. Possibly SUF ?	Probably SUF ?
2292	Fritillaria montana	MD	STE			2	(2B)	species newly added to 2 sites. If population assessments correct, 2 B-sites represent between 4 and 30% of national total. Possibly SUF ?	Probably SUF ?
2303	Narcissus angustifolius	UA	ALP-Car	IN MOD		2	(1A 1B)	SDF: p(1002- 10500i); no change according to previous seminar. IN MOD ?	IN MOD ?
2303	Narcissus angustifolius	UA	PAN	IN MOD	3 sites	1	(1A)	SDF: p(1001- 10000i); no change according to previous seminar, "IN MOD, 3 sites". Only very small part of site within PAN region.	IN MOD ?
2316	Poa granitica	UA	ALP-Car	IN MIN		4	(3A 1B)	SDF: p(2102- 1250i); species deleted from 1 site, added to 2 sites, population assessment changed from B to A for 1 site and 1 site unchanged. Possibly SUF ?	Probably SUF ?
2333	Steveniella satyrioides	UA	STE	IN MIN	1 site	6	(2A 1B 3C)	SDF: p(159- 620i); population assessments modified for 5 sites (1 from B to A, 4 from B to C), and 1 sites unchanged. No new additional site. Previous conclusion "IN MIN, 1 site" ? Still IN MIN ?	still IN MIN ?
4067	Echium russicum	MD	CON			4	(4B)	species newly added to 4 sites. 4B sites represent between 8 and 60% of national total. Possibly SUF ?	?
4067	Echium russicum	MD	STE	SR		5	(3B 2C)	species newly added to 5 sites. 3B2C sites represent between 6 and 94% of national total. Was the SR fully resolved ?	?

Code	Species Name	iso	biogeo	Final Conclusion previous seminar	Final Comments previous seminar	pASCI 2018	pop. assessment 2018	Draft Conclusion Comments 2019	Draft Conclusion 2019
4067	Echium russicum	UA	CON	IN MOD		8	(2A 4B 1C 1D)	SDF: p(1226- 2106i); species added to 5 sites, population assessment changed for 2 sites and 1 site unchanged. Possibly SUF ?	Probably SUF ?
4067	Echium russicum	UA	STE	IN MOD		13	(2A 10B 1C)	SDF: p(1133- 1850i); species added to 8 sites, population assessment changed for 2 sites and 1 site unchanged. Probably SUF ?	Probably SUF ?
4068	Adenophora lilifolia	BY	CON	IN MIN	3 sites	1	(1C)	SDF: p(3- 5i); species added to 1 site. Previous conclusion "IN MIN, 3 sites". Red Book of Belarus (p. 127) indicates some more localities in the West as well in the South-East. Still IN MIN ?	IN MIN ?
4068	Adenophora lilifolia	MD	STE	SR				Has the SR been resolved ?	SR ?
4068	Adenophora lilifolia	UA	ALP-Car	IN MOD		3	(1A 2B)	SDF: p(803- 1600i); species added to 1 site, population assessment changed from B to A for 1 site and 1 site unchanged. Species only present in Southern part of the Carpatians ?	?
4068	Adenophora lilifolia	UA	CON	IN MOD		12	(2A 6B 3C 1D)	SDF: p(1013- 2250i); species deleted from 1 site, added to 11 sites and population assessment changed from B to A. Possibly SUF ?	Probably SUF ?
4068	Adenophora lilifolia	UA	PAN	IN MOD		1	(1B)	SDF: p(251- 500i); no change according to previous seminar. Still IN MOD ?	IN MOD ?
4068	Adenophora lilifolia	UA	STE	IN MOD		9	(5B 4C)	SDF: p(586- 825i); species deleted from 1 site, added to 4 sites, population assessment changed for 3 sites and 2 sites unchanged. Possibly SUF ?	Probably SUF ?
4070	Campanula serrata	UA	ALP-Car	IN MOD		20	(5A 13B 1C 1D)	SDF: p(36602- 4000i); species added to 10 sites, population assessment modified for 4 sites and 6 sites unchanged. Population assessments rather high (> 100%) SUF ?	SUF ?
4087	Serratula lycopifolia	MD	CON	IN MOD		2	(1B 1C)	no change in number of sites according to previous seminar. Population assessment modified for 1 site from C to B. 1B1C sites represent rather low percentage. Still IN MOD ?	IN MOD ?

Code	Species Name	iso	biogeo	Final Conclusion previous seminar	Final Comments previous seminar	pASCI 2018	pop. assessment 2018	Draft Conclusion Comments 2019	Draft Conclusion 2019
4087	<i>Serratula lycopifolia</i>	UA	CON	IN MIN	1 site	1	(1A)	SDF: p(500- 0i); species added to 1 site. Probaly SUF ?	Probably SUF ?
4087	<i>Serratula lycopifolia</i>	UA	STE	IN MOD		2	(1A 1D)	SDF: p(581- 1100i); species added to 1 site and 1 site unchanged. No other areas ?	?
4091	<i>Crambe tataria</i>	MD	CON	IN MOD		4	(4C)	no change according to previous seminar. IN MOD	IN MOD
4091	<i>Crambe tataria</i>	MD	STE	IN MIN	1 site	3	(1B 2C)	no change according to previous seminar. IN MIN 1 site	IN MIN
4091	<i>Crambe tataria</i>	UA	CON	IN MOD		5	(1A 2B 1C 1D)	SDF: p(1072- 75i); species added to 4 sites and population assessment changed from B to A for 1 site. Possibly SUF ?	Probably SUF ?
4091	<i>Crambe tataria</i>	UA	STE	IN MOD/IN MIN/CD	CD: Danube delta	23	(2A 16B 3C 2D)	SDF: p(1269- 2880i); species added to 8 sites, population assessment changed from B to C for 1 site and 13 sites unchanged. CD: Species still indicated as present in the Danube delta. Possibly SUF ?	Probably SUF ?
4093	<i>Rhododendron luteum</i>	BY	CON	IN MOD		2	(1A 1B)	SDF: p(0- 50i); species added to 1 site and 1 site unchanged. Red Data Book of Belarus (p. 165) suggest possible other localities in the South ?	?
4093	<i>Rhododendron luteum</i>	UA	CON	IN MIN	2 sites	10	(4A 6B)	SDF: p(7015- 22125i); species added to 2 sites, population assessment modified for 2 sites and 8 sites unchanged. Possibly SUF ?	Probably SUF ?
4095	<i>Stipa zalesskii</i>	UA	STE	IN MOD	Crimea, Odesa	15	(6A 7B 2C)	SDF: p(5103- 17500i); species added to 6 sites, population assessment changed for 2 sites and 7 sites unchanged. No sites added in Crimea ?	?
4097	<i>Iris aphylla</i> ssp. <i>hungarica</i>	BY	CON			1	(1B)	SDF: p(10- 15i); species added to 1 site. Red Data Book of Belarus (p. 69) also indicates only one "locality" under the name of <i>Iris aphylla</i> ? Is population assessment correct. Possibly SUF ?	Probably SUF ?
4097	<i>Iris aphylla</i> ssp. <i>hungarica</i>	MD	CON	IN MIN	3 sites	3	(3C)	species added to 3 sites as indicated in previous conclusion. But 3C sites represent a very low percentage ?	?

Code	Species Name	iso	biogeo	Final Conclusion previous seminar	Final Comments previous seminar	pASCI 2018	pop. assessment 2018	Draft Conclusion Comments 2019	Draft Conclusion 2019
4097	<i>Iris aphylla</i> ssp. <i>hungarica</i>	MD	STE	IN MIN	3 sites	2	(2C)	species added to 2 sites. Previous conclusions indicates 3 sites ? In total for whole country 5C sites: very low coverage.	?
4097	<i>Iris aphylla</i> ssp. <i>hungarica</i>	UA	CON	IN MOD/IN MIN		37	(7A 19B 6C 5D)	SDF: p(9009- 26140i); species added to 25 sites, population assessment modified in 4 sites and 8 sites unchanged. Population assessments to high (> 100%) = CD. Possibly SUF ?	Probably SUF ?
4097	<i>Iris aphylla</i> ssp. <i>hungarica</i>	UA	PAN	SUF				Due to the deletion of a site, the species is not present in the PAN region ? Was this an error ? EXCL REF ?	?
4097	<i>Iris aphylla</i> ssp. <i>hungarica</i>	UA	STE	SR	Taxonomy	2	(1B 1C)	SDF: p(101- 300i); species added to 1 site and 1 site unchanged. Was the SR for taxonomy resolved ?	?
4098	<i>Iris humilis</i> ssp. <i>arenaria</i>	UA	CON	IN MOD		8	(3A 5B)	SDF: p(626- 1200i); species added to 7 sites and 1 site unchanged. Possibly SUF ?	Probably SUF ?
4098	<i>Iris humilis</i> ssp. <i>arenaria</i>	UA	STE	IN MOD		4	(1A 2B 1C)	SDF: p(214- 475i); population assessment modified for 2 sites and 2 sites unchanged. No increase in sites. Still IN MOD ?	IN MOD ?
4116	<i>Tozzia carpathica</i>	UA	ALP-Car	IN MOD	W part	9	(2A 6B 1C)	SDF: p(1959- 5100i); species added to 4 sites, population assessment changed for 2 sites and 3 sites unchanged. Possibly SUF ?	Probably SUF ?
6220	<i>Iris humilis</i>	UA	CON			2	(2C)	SDF: p(1- 5i); data error ? Only subsp. <i>Arenaria</i> is listed in Res. 6. Should be deleted and added as species 4098?	CD
6282	<i>Klasea lycopifolia</i>	UA	CON			4	(1C 3D)	SDF: p(70- 200i); species added to 4 sites. Only 1C site represent a very low percentage. IN MOD/IN MIN ?	IN MOD/IN MIN ?
6282	<i>Klasea lycopifolia</i>	UA	STE			1	(1C)	SDF: p(10- 50i); species added to 1 sites. Only 1C site represent a very low percentage. IN MOD/IN MIN ?	IN MOD/IN MIN ?