

## Detailed final conclusions on the representation of animal species from Res. No. 6 (1998) of the Bern Convention in proposed Emerald Network sites in Armenia, Azerbaijan and Georgia (Alpine, Anatolian, Black Sea and Steppic)

### Remarks:

1) During the Emerald biogeographical evaluation seminar in Kiev (4-5 September 2016), it was agreed not to make final conclusions for marine features (sea turtles, dolphins, seals, anadromous fishes in their marine period) and for certain habitats (mainly: A1.11, A1.141, A1.22, A1.44, A2.61, A2.621, A3, A4, A5 and A6.911) due to the limited number of Marine Emerald Network sites proposed so far. These features will be discussed at the occasion of a dedicated marine evaluation seminar in the coming years. For all the features concerned, the reference "MR" for Marine Reserve was added to the conclusion.

2) All Emerald Network sites considered for the biogeographical evaluation of the functionality of the Network should be nominated as Emerald Network candidate sites. Considering the decision of the Georgian national authorities not to nominate as candidate sites, 20 sites which contributed to the evaluation of the sufficiency of the Network in Georgia, the conclusions regarding Georgia should be seen as provisional until the nomination of these 20 Emerald Network sites as candidate sites.

Code	Species Name	iso	biogeo	Final Concl.	Final Conclusion Comments
<b>Mammals</b>					
1302	Rhinolophus mehelyi	AM	ALP	SUF	
1302	Rhinolophus mehelyi	AM	ANA	SUF	
1302	Rhinolophus mehelyi	AZ	ALP	IN MIN	
1302	Rhinolophus mehelyi	AZ	ANA	SUF	
1302	Rhinolophus mehelyi	GE	ALP	IN MIN	Abkhazia
1302	Rhinolophus mehelyi	GE	STE	SR	
1303	Rhinolophus hipposideros	AM	ALP	SUF	
1303	Rhinolophus hipposideros	AM	ANA	SUF	
1303	Rhinolophus hipposideros	AZ	ALP	IN MIN	2 sites: AZ0000003, AZ0000004
1303	Rhinolophus hipposideros	AZ	ANA	SUF	
1303	Rhinolophus hipposideros	AZ	STE	IN MIN	Shirvan AZ0000007
1303	Rhinolophus hipposideros	GE	ALP	IN MOD	3 sites to be designed in Racha region
1303	Rhinolophus hipposideros	GE	BLS	IN MOD	2 sites: "Urta mountain, Letsturtsme caves"
1303	Rhinolophus hipposideros	GE	STE	SUF	
1304	Rhinolophus ferrumequinum	AM	ALP	SUF	
1304	Rhinolophus ferrumequinum	AM	ANA	SUF	

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1304	Rhinolophus ferrumequinum	AZ	ALP	IN MIN	Include AZ0000003, and AZ0000015
1304	Rhinolophus ferrumequinum	AZ	ANA	SUF	
1304	Rhinolophus ferrumequinum	AZ	STE	SUF/CD	CD population assessment
1304	Rhinolophus ferrumequinum	GE	ALP	IN MOD	3 sites in Racha region
1304	Rhinolophus ferrumequinum	GE	BLS	IN MOD	2 locations
1304	Rhinolophus ferrumequinum	GE	STE	IN MOD	GE0000037 should be extended to NW and ES
1305	Rhinolophus euryale	AM	ALP	SUF	
1305	Rhinolophus euryale	AM	ANA	SUF	
1305	Rhinolophus euryale	AZ	ALP	IN MOD/IN MIN	IN MIN 2 sites: Dzalud village will be checked, IN MOD 1 site
1305	Rhinolophus euryale	AZ	ANA	IN MIN/CD	1 site
1305	Rhinolophus euryale	AZ	STE	SR	Wintering areas
1305	Rhinolophus euryale	GE	ALP	IN MOD	3 sites in Racha region
1305	Rhinolophus euryale	GE	BLS	IN MOD	2 sites: Urta mountain, Letsturtsume caves
1306	Rhinolophus blasii	AM	ALP	SUF	
1306	Rhinolophus blasii	AM	ANA	SUF	
1306	Rhinolophus blasii	AZ	ALP	NE	
1306	Rhinolophus blasii	AZ	ana	IN MIN	
1306	Rhinolophus blasii	GE	BLS	IN MOD	Chiatura region, village Zodi
1307	Myotis blythii	AM	ALP	SUF	
1307	Myotis blythii	AM	ANA	SUF	
1307	Myotis blythii	AZ	ALP	IN MIN	1 site
1307	Myotis blythii	AZ	ANA	SUF	
1307	Myotis blythii	AZ	STE	SR	Wintering sites
1307	Myotis blythii	GE	ALP	IN MIN	Abkhazia
1307	Myotis blythii	GE	BLS	IN MOD/IN MIN	IN MOD: 2 caves: Taro, Samethshelek cave; IN MIN: Abkhazia
1307	Myotis blythii	GE	STE	IN MOD	1 site: GE0000037 should be extended
1308	Barbastella barbastellus	AM	ALP	EXCL REF	To be excluded, because last article in 1970-ties
1308	Barbastella barbastellus	AZ	ALP	SUF	
1308	Barbastella barbastellus	AZ	STE	SUF	
1308	Barbastella barbastellus	GE	ALP	IN MIN	Abkhazia
1308	Barbastella barbastellus	GE	BLS	IN MOD	Urta

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1308	Barbastella barbastellus	GE	STE	SR	
1310	Miniopterus schreibersi	AM	ALP	SUF	
1310	Miniopterus schreibersi	AM	ANA	SUF	
1310	Miniopterus schreibersi	AZ	ALP	SR REF	
1310	Miniopterus schreibersi	AZ	ANA	SUF	
1310	Miniopterus schreibersii	AZ	STE	SR REF	
1310	Miniopterus schreibersi	GE	ALP	SUF	
1310	Miniopterus schreibersi	GE	BLS	SUF/CD	CD 1 site: Ghliana cave GE0000043
1310	Miniopterus schreibersii	GE	STE	EXCL REF	
1321	Myotis emarginatus	AM	ALP	SUF	
1321	Myotis emarginatus	AM	ANA	SUF	
1321	Myotis emarginatus	AZ	ALP	SUF	
1321	Myotis emarginatus	AZ	STE	SUF	
1321	Myotis emarginatus	GE	ALP	IN MIN	2 sites: Pskhu-Gumista National reserve (in Abkhazia) Samegrelo GE0000021
1321	Myotis emarginatus	GE	BLS	IN MOD	1 site: Letsurtsume
1321	Myotis emarginatus	GE	STE	IN MOD	Davit Gareja extension (GE0000037)
1323	Myotis bechsteini	AM	ALP	SUF	
1323	Myotis bechsteini	AM	ANA	EXCL REF	
1323	Myotis bechsteini	AZ	ALP	IN MIN	1 site: AZ0000015 Goy Gol
1323	Myotis bechsteini	AZ	STE	EXCL REF	
1323	Myotis bechsteini	GE	ALP	SUF	
1323	Myotis bechsteini	GE	BLS	EXCL REF	
1323	Myotis bechsteini	GE	STE	IN MIN	1 site
1349	Tursiops truncatus	GE	BLS	IN MOD/MR	
1351	Phocoena phocoena	GE	BLS	IN MOD/MR	
1352	Canis lupus	AM	ALP	SUF	
1352	Canis lupus	AM	ANA	SUF	
1352	Canis lupus	AZ	ALP	SUF	
1352	Canis lupus	AZ	ANA	SUF	
1352	Canis lupus	AZ	STE	IN MIN	1 site: Shirvan AZ0000007
1352	Canis lupus	GE	ALP	SUF	
1352	Canis lupus	GE	BLS	SUF	
1352	Canis lupus	GE	STE	SUF	
1354	Ursus arctos	AM	ALP	SUF	
1354	Ursus arctos	AM	ANA	IN MIN	2 sites in SW

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1354	Ursus arctos	AZ	ALP	SUF	
1354	Ursus arctos	AZ	ANA	SUF	
1354	Ursus arctos	AZ	STE	SUF	
1354	Ursus arctos	GE	ALP	IN MOD	3 sites in NW
1354	Ursus arctos	GE	BLS	SUF	
1354	Ursus arctos	GE	STE	SUF	
1355	Lutra lutra	AM	ALP	SUF	
1355	Lutra lutra	AM	ANA	SUF	
1355	Lutra lutra	AZ	ALP	SUF	
1355	Lutra lutra	AZ	ANA	SUF	
1355	Lutra lutra	AZ	STE	IN MOD	Rivers
1355	Lutra lutra	GE	ALP	IN MOD	
1355	Lutra lutra	GE	BLS	IN MOD	
1355	Lutra lutra	GE	STE	SUF	
1356	Mustela lutreola	GE	BLS	EXCL REF/CD	
1361	Lynx lynx	AM	ALP	SUF	
1361	Lynx lynx	AM	ANA	IN MIN	1 site
1361	Lynx lynx	AZ	ALP	SUF	
1361	Lynx lynx	AZ	ANA	SR REF	
1361	Lynx lynx	AZ	STE	SUF	
1361	Lynx lynx	GE	ALP	IN MOD	3 sites
1361	Lynx lynx	GE	BLS	SUF	
1361	Lynx lynx	GE	STE	SUF	
1372	Capra aegagrus	AM	ALP	SUF	
1372	Capra aegagrus	AM	ANA	SUF	
1372	Capra aegagrus	AZ	ANA	SUF	
1372	Capra aegagrus	GE	ALP	SUF	
2023	Panthera pardus	AM	ALP	SUF	
2023	Panthera pardus	AM	ANA	SUF	
2023	Panthera pardus	AZ	ALP	SUF	
2023	Panthera pardus	AZ	ANA	SUF	
2023	Panthera pardus	AZ	STE	SUF/CD	Delete NW site
2023	Panthera pardus	GE	ALP	SR REF	
2023	Panthera pardus	GE	STE	SR REF	
2635	Vormela peregusna	AM	ALP	SUF	
2635	Vormela peregusna	AM	ANA	SUF	

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2635	Vormela peregusna	AZ	ALP	EXCL REF	
2635	Vormela peregusna	AZ	STE	IN MOD/IN MIN	
2635	Vormela peregusna	GE	ALP	IN MOD/IN MIN	IN MOD 2 sites, IN MIN 1 site
2635	Vormela peregusna	GE	STE	SR REF	
2649	Gazella subgutturosa	AZ	ALP	EXCL REF	
2649	Gazella subgutturosa	AZ	STE	IN MOD	1 site NW
2649	Gazella subgutturosa	GE	STE	IN MAJ	Vashlovani
4005	Ovis orientalis ophion	AZ	ANA	EXCL REF	

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<b>Reptiles</b>					
1219	Testudo graeca	AM	ALP	SUF	Deletion was due to new name
1219	Testudo graeca	AM	ANA	SUF	
1219	Testudo graeca	AZ	ALP	SUF	
1219	Testudo graeca	AZ	ANA	SUF	
1219	Testudo graeca	AZ	STE	SUF	
1219	Testudo graeca	GE	ALP	IN MIN	
1219	Testudo graeca	GE	BLS	IN MIN	Abkhazia
1219	Testudo graeca	GE	STE	SUF	
1220	Emys orbicularis	AM	ALP	SUF	
1220	Emys orbicularis	AM	ANA	EXCL REF	
1220	Emys orbicularis	AZ	ALP	SUF	
1220	Emys orbicularis	AZ	ANA	IN MIN	1 site
1220	Emys orbicularis	AZ	STE	SUF	
1220	Emys orbicularis	GE	ALP	SUF	
1220	Emys orbicularis	GE	BLS	SUF	
1220	Emys orbicularis	GE	STE	SUF	
1222	Mauremys caspica	AM	ALP	SUF	
1222	Mauremys caspica	AM	ANA	SUF	
1222	Mauremys caspica	AZ	ALP	IN MIN	Zakataly
1222	Mauremys caspica	AZ	ANA	IN MIN	1 site
1222	Mauremys caspica	AZ	STE	IN MOD	Fill the gaps in distribution
1222	Mauremys caspica	GE	ALP	EXCL REF	
1222	Mauremys caspica	GE	STE	SUF	
1279	Elaphe quatuorlineata	AM	ALP	IN MIN/CD	CD: is to "put species back in database"
1279	Elaphe quatuorlineata	AM	ANA	IN MIN/CD	CD: is to "put species back in database"
1279	Elaphe quatuorlineata	AZ	ALP	SR	
1279	Elaphe quatuorlineata	AZ	ANA	SR	
1279	Elaphe quatuorlineata	AZ	STE	SR	
1279	Elaphe quatuorlineata	GE	ALP	IN MIN	
1279	Elaphe quatuorlineata	GE	STE	IN MIN	
1298	Vipera ursinii	AM	ALP	IN MIN/CD	CD: is to "put species back in database"
1298	Vipera ursinii	AM	ANA	IN MIN/CD	CD: is to "put species back in database"
1298	Vipera ursinii	AZ	ALP	SUF/CD	CD for population assessment
1298	Vipera ursinii	AZ	ANA	IN MIN/CD	CD for population assessment

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1298	Vipera ursinii	AZ	STE	SR/CD	CD for population assessment
1298	Vipera ursinii	GE	ALP	SR	Taxonomy
2008	Vipera kaznakovi	GE	ALP	SUF	
2008	Vipera kaznakovi	GE	BLS	SUF	
2402	Lacerta clarkorum	GE	ALP	SUF/CD	Population should be A
2402	Lacerta clarkorum	GE	BLS	SUF/CD	Population should be A

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<b>Amphibians</b>					
1171	Triturus karelinii	AZ	ALP	SUF	
1171	Triturus karelinii	AZ	STE	SUF	
1171	Triturus karelinii	GE	ALP	SUF	
1171	Triturus karelinii	GE	BLS	SUF	



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<b>Fish</b>					
1101	Acipenser sturio	GE	BLS	IN MOD/MR	Rioni river, Vartsikhe
1130	Aspius aspius	AM	ALP	SUF	
1130	Aspius aspius	AM	ANA	SUF	
1130	Aspius aspius	AZ	ALP	EXCL REF	
1130	Aspius aspius	AZ	ANA	IN MIN	
1130	Aspius aspius	AZ	STE	SUF	
1130	Aspius aspius	GE	BLS	IN MIN/IN MOD	IN MOD for Rioni
1130	Aspius aspius	GE	STE	SR REF	no records for >20 years
1134	Rhodeus sericeus amarus/5339 Rhodeus amarus	AM	ALP	SUF	
1134	Rhodeus sericeus amarus/5339 Rhodeus amarus	AM	ANA	SUF	
1134	Rhodeus sericeus amarus/5339 Rhodeus amarus	AZ	ALP	EXCL REF	
1134	Rhodeus sericeus amarus/5339 Rhodeus amarus	AZ	STE	SUF/CD	CD: use the new name consistently
1134	Rhodeus sericeus amarus/5339 Rhodeus amarus	GE	BLS	IN MIN/IN MAJ	
1134	Rhodeus sericeus amarus/5339 Rhodeus amarus	GE	STE	IN MIN/IN MAJ	
1141	Chalcalburnus chalcoides	AZ	ALP	EXCL REF	
1141	Chalcalburnus chalcoides	AZ	ANA	SUF/SR	Check if this species really occurs here (it is not in AM site of river)
1141	Chalcalburnus chalcoides	AZ	STE	SUF/CD	Check deleted sites
1141	Chalcalburnus chalcoides	GE	ALP	SUF	
1141	Chalcalburnus chalcoides	GE	BLS	EXCL REF	
1141	Chalcalburnus chalcoides	GE	STE	SUF	
1143	Barbus capito/5918 Luciobarbus capito	AM	ALP	SUF	
1143	Barbus capito/5918 Luciobarbus capito	AM	ANA	SUF	
1143	Barbus capito/5918 Luciobarbus capito	AZ	ALP	SUF	
1143	Barbus capito/5918 Luciobarbus capito	AZ	ANA	SUF	

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1143	Barbus capito/5918 Luciobarbus capito	AZ	STE	SUF	
1143	Barbus capito/5918 Luciobarbus capito	GE	ALP	IN MIN/IN MOD	IN MOD: Aragvi
1143	Barbus capito/5918 Luciobarbus capito	GE	BLS	EXCL REF	
1143	Barbus capito/5918 Luciobarbus capito	GE	STE	SUF	
1146	Sabanejewia aurata	AM	ALP	SUF	
1146	Sabanejewia aurata	AM	ANA	SUF	
1146	Sabanejewia aurata	AZ	STE	IN MIN/IN MAJ	
1146	Sabanejewia aurata	GE	ALP	IN MIN/IN MAJ	
1146	Sabanejewia aurata	GE	STE	IN MIN	
1989	Alosa caspia vistonica	AZ	STE	EXCL REF/CD	Occurs only in Greece
2484	Eudontomyzon mariae	GE	BLS	IN MIN/IN MAJ	
2522	Pelecus cultratus	AZ	STE	IN MIN	Coastal sites
4125	Alosa immaculata/Alosa maeotica	GE	BLS	IN MIN/MR	IN MIN for coastal sites
4127	Alosa tanaica	GE	BLS	IN MIN/MR	IN MIN for coastal sites
5048	Alosa vistonica	AZ	STE	EXCL REF	Occurs only in Greece

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<b>Invertebrates</b>					
1014	Vertigo angustior	AM	ALP	SUF	
1014	Vertigo angustior	AZ	STE	SUF	
1014	Vertigo angustior	GE	ALP	IN MAJ	
1014	Vertigo angustior	GE	BLS	SR REF	
1016	Vertigo moulinsiana	AM	ALP	SUF	Only known site
1016	Vertigo moulinsiana	AZ	ALP	NE	
1016	Vertigo moulinsiana	GE	BLS	SR	
1042	Leucorhina pectoralis	AM	ALP	SUF	
1042	Leucorhina pectoralis	GE	ALP	SUF	
1042	Leucorhina pectoralis	GE	BLS	SUF	
1042	Leucorhina pectoralis	GE	STE	SUF/CD	CD population assessment
1043	Lindenia tetraphylla	AZ	ALP	EXCL REF	
1043	Lindenia tetraphylla	AZ	STE	IN MOD	
1043	Lindenia tetraphylla	GE	ALP	SUF	
1043	Lindenia tetraphylla	GE	BLS	IN MIN	Abkhazia
1043	Lindenia tetraphylla	GE	STE	SR REF	
1060	Lycaena dispar	AM	ALP	EXCL REF	
1060	Lycaena dispar	AM	ANA	EXCL REF	
1060	Lycaena dispar	AZ	ALP	IN MOD	
1060	Lycaena dispar	AZ	ANA	SUF	
1060	Lycaena dispar	AZ	STE	SUF	
1060	Lycaena dispar	GE	ALP	SUF/CD	CD: population assessment
1060	Lycaena dispar	GE	BLS	SUF/CD	CD: population assessment
1060	Lycaena dispar	GE	STE	SUF/CD	CD: population assessment
1061	Maculinea nausithous/6179 Phenagris nausithous	AM	ALP	SUF/CD	CD: use just one name
1061	Maculinea nausithous/6179 Phenagris nausithous	AM	ANA	SUF/CD	CD: use just one name
1061	Maculinea nausithous/6179 Phenagris nausithous	GE	ALP	IN MIN	Tusheti
1061	Maculinea nausithous/6179 Phenagris nausithous	GE	BLS	EXCL REF	
1078	Callimorpha quadripunctaria/ 6199 Eupalagia quadripunctaria	AM	ALP	SUF	

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1078	Callimorpha quadripunctaria/ 6199 Eupalagia quadripunctaria	AM	ANA	SUF	
1078	Callimorpha quadripunctaria/ 6199 Eupalagia quadripunctaria	AZ	ALP	SUF/CD	
1078	Callimorpha quadripunctaria/ 6199 Eupalagia quadripunctaria	AZ	STE	SUF/CD	
1078	Callimorpha quadripunctaria/ 6199 Eupalagia quadripunctaria	GE	ALP	IN MOD	Turkish border
1078	Callimorpha quadripunctaria/ 6199 Eupalagia quadripunctaria	GE	BLS	SUF	
1078	Callimorpha quadripunctaria/ 6199 Eupalagia quadripunctaria	GE	STE	IN MIN/IN MAJ	
1081	Dytiscus latissimus	AZ	ALP	EXCL REF	
1081	Dytiscus latissimus	AZ	STE	SUF	
1081	Dytiscus latissimus	GE	STE	SR REF	
1083	Lucanus cervus	AZ	ALP	SUF	
1083	Lucanus cervus	AZ	STE	SUF	
1083	Lucanus cervus	GE	ALP	IN MIN	Abkhazia, Lagodekhi
1087	Rosalia alpina	AM	ALP	SUF	
1087	Rosalia alpina	AM	ANA	EXCL REF	
1087	Rosalia alpina	AZ	ALP	SUF	
1087	Rosalia alpina	AZ	ANA	SUF	
1087	Rosalia alpina	AZ	STE	SUF	
1087	Rosalia alpina	GE	ALP	IN MOD	3 sites
1087	Rosalia alpina	GE	BLS	SUF	
1088	Cerambyx cerdo	AM	ALP	SUF	
1088	Cerambyx cerdo	AM	ANA	SUF	
1088	Cerambyx cerdo	AZ	ALP	SUF	
1088	Cerambyx cerdo	AZ	STE	SUF	
1088	Cerambyx cerdo	GE	ALP	SUF	
1088	Cerambyx cerdo	GE	BLS	SUF	
1926	Stephanopachys linearis	GE	ALP	IN MIN	
1926	Stephanopachys linearis	GE	BLS	SUF	
1926	Stephanopachys linearis	GE	STE	SUF	

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1930	<i>Agriades glandon aquilo</i>	GE	ALP	EXCL REF/CD	
1930	<i>Agriades glandon aquilo</i>	GE	BLS	EXCL REF/CD	
1930	<i>Agriades glandon aquilo</i>	GE	STE	EXCL REF/CD	
1932	<i>Erebia medusa polaris</i>	GE	ALP	EXCL REF/CD	
1932	<i>Erebia medusa polaris</i>	GE	BLS	EXCL REF/CD	
1932	<i>Erebia medusa polaris</i>	GE	STE	EXCL REF/CD	
1933	<i>Hesperia comma catena</i>	GE	ALP	EXCL REF/CD	
1933	<i>Hesperia comma catena</i>	GE	BLS	EXCL REF/CD	
4026	<i>Rhysodes sulcatus</i>	GE	ALP	SR	Abkhazia
4038	<i>Lycaena helle</i>	GE	ALP	IN MIN	Abkhazia
4039	<i>Nymphalis vaualbum</i>	AM	ALP	EXCL REF	
4039	<i>Nymphalis vaualbum</i>	AZ	ALP	SR	
4039	<i>Nymphalis vaualbum</i>	GE	ALP	IN MIN	Abkhazia
4039	<i>Nymphalis vaualbum</i>	GE	BLS	SR	Samegrelo
4043	<i>Pseudophilotes bavius</i>	AM	ALP	EXCL REF	
4043	<i>Pseudophilotes bavius</i>	AM	ANA	SUF	
4043	<i>Pseudophilotes bavius</i>	AZ	ALP	IN MIN/IN MAJ	
4045	<i>Coenagrion ornatum</i>	AM	ALP	IN MIN	
4045	<i>Coenagrion ornatum</i>	AM	ANA	IN MIN	
4045	<i>Coenagrion ornatum</i>	AZ	ALP	IN MIN	
4045	<i>Coenagrion ornatum</i>	GE	ALP	SR	
4045	<i>Coenagrion ornatum</i>	GE	BLS	SR	
4045	<i>Coenagrion ornatum</i>	GE	STE	SR	
4056	<i>Anisus vorticulus</i>	GE	BLS	EXCL REF/CD	

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