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### Background

A corrected version of Annex 2 “Draft proposal for table on threatened species and biotopes” of document 4-25 “Draft Joint documentation of regional coordination of programmes of measures in the Baltic Sea area” is attached to this document.

Corrections have been made to the threatened species list and threat categories, e.g. the threat category of *Gadus morhua* has been corrected to VU (vulnerable).

### Action required

The Meeting is invited to note the corrected Annex 2.

## Annex 2 Draft proposal for table on threatened species and biotopes

Impact assessment based on BSEP 138 Red List of Baltic Sea underwater biotopes, habitats and biotope complexes and BSEP 140 HELCOM Red List of Baltic Sea species in danger of becoming extinct. \*Inputs of energy were not assessed.

Legend: Category of state: CO – collapsed, CR – critically endangered, EN – Endangered, VU – Vulnerable

	Threatened species			Covered by HELCOM measures on		Impacted by							
	Scientific name	Threat category	Common name	Conservation, restoration and reintroduction of species	Spatial Protection	Inputs of nutrients and organic matter	Inputs of non-/synthetic contaminants ; systematic intentional releases	Accidental pollution from maritime activities	Physical loss and damage of seabed habitats	Introduction of non-indigenous species	Selective extraction of species including incidental non-target catch	Inputs of litter	Inputs of energy*
<b>SPECIES</b>													
<b>Breeding Birds</b>	<i>Larus fuscus fuscus</i>	VU	Lesser black-backed gull				X			X	X		
	<i>Aythya marila</i>	VU	Greater scaup					X		X	X		
	<i>Gelochelidon nilotica</i>	RE	Gull-billed tern							X			
	<i>Charadrius alexandrinus</i>	CR	Kentish plover							X			
	<i>Calidris alpina schinzii</i>	EN	Southern dunlin			X				X			
	<i>Larus melanocephalus</i>	EN	Mediterranean gull							X			

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<i>Arenaria interpres</i>	VU	Ruddy turnstone			X				X			
<i>Hydroprogne caspia</i>	VU	Caspian tern							X			
<i>Philomachus pugnax</i>	VU	Ruff			X				X			
<i>Xenus cinereus</i>	EN	Terek sandpiper							X			
<i>Podiceps auritus</i>	VU	Slavonian grebe			X	X			X			
<i>Melanitta fusca</i>	VU	Velvet scoter			X				X			
<i>Rissa tridactyla</i>	VU	Black-legged kittiwake both					X	X		X	X	

Wintering birds	<i>Gavia arctica</i>	CR	Black-throated diver					X	X		X		
	<i>Gavia stellata</i>	CR	Red-throated diver					X	X		X		
	<i>Anser fabalis fabalis</i>	EN	Taiga Bean Goose			X	X		X				
	<i>Clangula hyemalis</i>	EN	Long-tailed duck					X	X		X		
	<i>Melanitta fusca</i>	EN	Velvet scoter					X	X		X		
	<i>Melanitta nigra</i>	EN	Common scoter					X	X		X		
	<i>Podiceps grisegena</i>	EN	Red-necked grebe (wintering)					X	X		X		
	<i>Polysticta stelleri</i>	EN	Steller's Eider (w)					X		X	X		
	<i>Rissa tridactyla</i>	VU wintering	Black-legged kittiwake					X	X		X	X	
	<i>Somateria mollissima</i>	EN	Common eider					X	X		X		
	<i>Cepphus grylle arcticus</i>	VU	Black guillemot					X	X		X		
	<i>Mergus serrator</i>	VU	Red-breasted merganser (wintering)					X	X	X	X		
Mammals	<i>Phocoena phocoena (Baltic Sea population)</i>	CR	Harbour porpoise				X				X		
	<i>Phoca hispida bothnica</i>	VU	Baltic ringed seal				X				X		
	<i>Phoca vitulina (Kalmarsund population)</i>	VU	Harbour seal/Common seal				X				X		

Fish and lamprey species	<i>Acipenser oxyrinchus</i>	RE	Anerucab Atlantic sturgeon			X					X		
	<i>Dipturus batis</i>	RE	Common skate								X		
	<i>Gadus morhua</i>	VU	Cod			X							
	<i>Anguilla anguilla</i>	CR	Eel							X	X		
	<i>Lamna nasus</i>	CR	Porgeable								X		
	<i>Thymallus thymallus</i>	CR	Grayling			X	X	X	X		X		
	<i>Squalus acanthias</i>	CR	Spurdog/Spiny dogfish								X		
	<i>Anarchichas lupus</i>	EN	Atlantic wolf-fish								X		
	<i>Coregonus maraena</i>	EN	Whitefish								X		
	<i>Molva molva</i>	EN	Ling								X		
	<i>Galeorhinus galeus</i>	VU	Tope shark								X		
	<i>Raja clavata</i>	VU	Thornback ray								X		
	<i>Salmo salar</i>	VU	Salmon								X		
	<i>Salmo trutta</i>	VU	Sea trout								X		
	<i>Merlangius merlangus</i>	VU	Whiting								X		
<i>Petromyzon marinus</i>	VU	Sea lamprey			X					X			

Macrophytes	<i>Hippuris tetraphylla</i>	EN				X		X	X				
	<i>Lamprothamnium papulosum</i>	EN				X		X	X				
	<i>Persicaria foliosa</i>	EN				X		X	X				
	<i>Alisma wahlenbergii</i>	VU				X		X	X				
	<i>Chara braunii</i>	VU				X			X				
	<i>Nitella hyalina</i>	VU				X		X	X				
	<i>Zostera noltii</i>	VU				X		X	X				
Benthic invertebrates	<i>Abra prismatica</i>	VU				X		X	X		X		
	<i>Atelecyclus rotundatus</i>	VU				X			X				
	<i>Clelandella miliaris</i>	VU				X							
	<i>Cliona celata</i>	VU				X		X	X				
	<i>Deshayesorchestia deshayesii</i>	VU						X	X				
	<i>Epitonium clathrus</i>	VU				X			X		X		
	<i>Haploops tubicola</i>	VU											
	<i>Hippasteria phyrigiana</i>	VU				X			X				
	<i>Hippolyte varians</i>	VU				X							
	<i>Lunatida pallida</i>	VU							X		X		
	<i>Macoma calcarea</i>	VU				X							
	<i>Modiolus modiolus</i>	VU				X		X	X		X		

	<i>Nucula nucleus</i>													
	<i>Parvicardium hauniense</i>	VU				X		X	X					
	<i>Pelonaia corrugata</i>	VU				X			X		X			
	<i>Scrobicularia plana</i>	VU												
	<i>Stomphia coccinea</i>	VU												
	<i>Solaster endeca</i>	VU				X			X					
	<b>Threatened biotopes</b>			<b>Covered by HELCOM measures on</b>		<b>Impacted by</b>								
	<b>Biotope code</b>	<b>Biotope name</b>	<b>Threat category</b>	Conservation, restoration and reintroduction of species	Spatial Protection	Inputs of nutrients and organic matter	Inputs of non-/synthetic contaminants ; systematic intentional releases	Accidental pollution from maritime activities	Physical loss and damage of seabed habitats	Introduction of non-indigenous species	Selective extraction of species including incidental non-target catch	Inputs of litter	Inputs of energy*	
	<b>BIOTOPES</b>													
Baltic	AA.M1Q2	Baltic photic mixed substrate dominated by stable aggregations of unattached <i>Fucus</i> spp. (dwarf form)	EN			X	X							

	AA.H1Q2	Baltic photic mud dominated by stable aggregations of unattached <i>Fucus</i> spp. (dwarf form)	EN			X	X						
	AA.I1Q2	Baltic photic coarse sediment dominated by stable aggregations of unattached <i>Fucus</i> spp. (dwarf form)	EN			X	X						
	AA.J1Q2	Baltic photic sand dominated by stable aggregations of unattached <i>Fucus</i> spp. (dwarf form)	EN			X	X						
	AA.D	Baltic photic maerl beds (unattached particles of coralline red algae)	EN						X		X		
	AA.G	Baltic photic peat bottom	VU			X	X		X				
	AA.E1F1	Baltic photic shell gravel dominated by vase tunicate ( <i>Ciona intestinalis</i> )	VU			X	X		X		X		
Baltic aphotic benthos	AB.D	Baltic aphotic maerl beds (unattached particles of coralline red algae)	EN						X		X		
	AB.E1F1	Baltic aphotic shell gravel dominated by vase tunicate ( <i>Ciona intestinalis</i> )	VU			X	X		X		X		
	AB.H3L3	Baltic aphotic muddy sediment dominated by ocean quahog ( <i>Arctica islandica</i> )	CR			X							
	AB.B1E4	Baltic aphotic hard clay dominated by <i>Astarte</i> spp.	EN			X							
	AB.H3L5	Baltic aphotic muddy sediment dominated by <i>Astarte</i> spp.	EN			X							
	AB.H2T1	Baltic aphotic muddy sediment characterized by sea-pens	EN			X					X		
	AB.H1I2	Baltic aphotic muddy sediment dominated by <i>Haploopsis</i> spp.	EN			X	X				X		
	AB.J3L3	Baltic aphotic sand dominated by ocean quahog ( <i>Arctica islandica</i> )	VU			X			X				



Baltic Sea seasonal ice	AC	Baltic Sea seasonal ice	VU										
Baltic Sea aphotic pelagic	AE.O5	Baltic Sea aphotic pelagic below halocline oxic	EN			X	X						

Threatened biotope complexes			Covered by HELCOM measures on		Impacted by							
Biotope complex code	Biotope complex name	Threat category	Conservation, restoration and reintroduction of species	Spatial Protection	Inputs of nutrients and organic matter	Inputs of non-/synthetic contaminants ; systematic intentional releases	Accidental pollution from maritime activities	Physical loss and damage of seabed habitats	Introduction of non-indigenous species	Selective extraction of species including incidental non-target catch	Inputs of litter	Inputs of energy*
<b>BIOTOPE COMPLEXES</b>												
1130	Estuaries	CR			X		X	X	X	X		
1180	Submarine structures made by leaking gases	EN			X	X		X		X		
1150	Coastal lagoons	EN			X	X	X	X		X		
1110	Sandbanks which are slightly covered by sea water all the time	VU			X	X		X		X		
1140	Mudflats and sandflats not covered by seawater at low tide	VU			X	X	X	X				
1160	Large shallow inlets and bays	VU			X	X	X	X		X		
1170	Reefs	VU			X	X		X		X		
1650	Boreal Baltic narrow inlets	VU			X			X				