

CONSERVATION STATUS TARGETS

SPANISH PLEDGES



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3rd marine biogeographical seminar for the Atlantic and the Macaronesian regions

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GOBIERNO
DE ESPAÑA

VICEPRESIDENCIA
TERCERA DEL GOBIERNO

MINISTERIO
PARA LA TRANSICIÓN ECOLÓGICA
Y EL RETO DEMOGRÁFICO

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CONSERVATION STATUS TARGETS: SPANISH PLEDGES

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- Biodiversity management in Spain
- Criteria for pledges: species, habitats and seabirds.
- Results for Macaronesian and Atlantic regions
- Challenges



MARINE BIODIVERSITY MANAGEMENT IN SPAIN

- MITECO: marine biodiversity management

Exceptions

- MPA with ecological continuity
 - Life cycle terrestrial stages
 - Coastal species and habitats
- 17 autonomous regions
 - 2 autonomous cities

Different effort, economic budgets and human resources



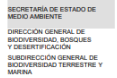
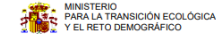
Coordination:
Criteria established by MITECO and then consensus with
autonomous regions



SPANISH marine conservation status pledge process

Baseline: report for the period 2013-2018

- Under art. 17
 - 5 marine HCI, 3 Biogeographical regions → 12 assessments
 - 44 marine species, 3 Biogeographical regions → 98 assessments
- Under art 12
 - 29 species , ES and ESIC → 54 assessments



RESUMEN DE LOS RESULTADOS DEL INFORME DEL ARTÍCULO 17 DE LA DIRECTIVA 92/43/CEE, DE HÁBITATS (SEXENIO 2013-2018) REFERIDO A ESPECIES

Estado de conservación de las especies de Interés comunitario en España. Principales conclusiones y cambios respecto al anterior sexenio

Legend: FV Favourable XX Unknown U1 Unfavourable-Inadequate U2 Unfavourable-Bad

Current selection: 2013-2018, Mammals, Spain, Marine Atlantic.

Species	Range (km ²)				Population								Habitat for the species				Future prospects				Overall assessment				Distribution area (km ²)						
	Surface	Status (% MS)	Trend	FRR	Min	Max	Best value	Unit	Type est.	Method	Status (% MS)	Trend	FRP	Unit	Occupied suff.	Unoccupied suff.	Status	Trend	Range prosp.	Populatio. prosp.	Hab. for sp. prosp.	Status	Cur. CS	Prev. CS	Cur. CS trend	Prev. CS trend	Status Nat. of ch.	CS trend Nat. of ch.	Distrib.	Method	% MS
<i>Balaenoptera acutorostrata</i>	145282.47	0	u	x	N/A	792	164		interval	a	0	x	x	Unk			XX	x	unk	unk	unk	XX	XX	XX		XX	ninfo	ninfo	122500	b	0
<i>Balaenoptera borealis</i>	N/A	0	x	x	N/A	N/A	N/A		estimate	a	0	x	x	Unk			XX	x	unk	unk	unk	XX	XX	XX		XX	ninfo	ninfo	N/A	b	0
<i>Balaenoptera musculus</i>	N/A	0	x	x	N/A	N/A	N/A		estimate	a	0	x	x	Unk			XX	x	unk	unk	unk	XX	XX	U1	x	XX	ninfo	ninfo	N/A	c	0
<i>Balaenoptera physalus</i>	30816.19	1.79	x	u	4276	10572	9422		interval	a	50.94	x	u	Unk			XX	x	unk	unk	unk	XX	XX	XX		XX	ninfo	ninfo	240400	b	31.96
<i>Delphinus delphis</i>	110417.27	6.02	x	x	84394	355197	191106		interval	a	29.14	x	x	Unk			XX	x	unk	unk	unk	XX	XX	U2	x	XX	ninfo	ninfo	105100	c	9.88
<i>Eubalaena glacialis</i>	N/A	0	x	x	N/A	N/A	N/A		estimate	d	0	x	x	Unk			XX	x	unk	unk	unk	XX	XX	U2		XX	ninfo	ninfo	N/A	c	0
<i>Clidicephala macrohynchus</i>	N/A	0	x	x	N/A	N/A	N/A		interval	a	0	x	x	Unk			XX	x	unk	unk	unk	XX	XX	XX		XX	ninfo	ninfo	N/A	b	0
<i>Clidicephala melas</i>	172714.22	8.39	x	x	1563	31818	6863		interval	a	13.88	x	x	Unk			XX	x	unk	unk	unk	XX	XX	XX		XX	ninfo	ninfo	151400	b	19.30
<i>Orampus griseus</i>	5879.56	0.50	x	x	N/A	1902	575		interval	a	3.36	x	x	Unk			XX	x	unk	unk	unk	XX	XX	XX		XX	ninfo	ninfo	9200	b	1.72
<i>Halichoerus grypus</i>	220	0	u	x	112	N/A	N/A		minimum	c	0	x	x	Unk			XX	x	good	good	unk	FV	FV	+	N/A	N/A	genuine	genuine	2600	N/A	0
<i>Hyperoodon ampullatus</i>	N/A	0	x	x	N/A	N/A	N/A		estimate	c	0	x	x	Unk			XX	x	unk	unk	unk	XX	XX	XX		XX	ninfo	ninfo	N/A	d	0
<i>Kogia breviceps</i>	N/A	0	x	x	N/A	N/A	N/A		estimate	c	0	x	x	Unk			XX	x	unk	unk	unk	XX	XX	XX		XX	ninfo	ninfo	N/A	d	0
<i>Kogia simus</i>	3714.65	0	x	x	N/A	N/A	N/A		estimate	c	0	x	x	Unk			XX	x	unk	unk	unk	XX	XX	XX		XX	ninfo	ninfo	N/A	c	0
<i>Megaptera novaeangliae</i>	11.92	0	x	x	N/A	N/A	N/A		estimate	c	0	x	x	Unk			XX	x	unk	unk	unk	XX	XX	XX		XX	ninfo	ninfo	1500	c	0
<i>Mesoplodon densirostris</i>	N/A	0	x	x	N/A	N/A	N/A		estimate	c	0	x	x	Unk			XX	x	unk	unk	unk	XX	XX	XX		XX	ninfo	ninfo	N/A	b	0
<i>Mesoplodon europaeus</i>	N/A	0	x	x	N/A	N/A	N/A		estimate	c	0	x	x	Unk			XX	x	unk	unk	unk	XX	XX	XX		XX	ninfo	ninfo	N/A	b	0
<i>Mesoplodon mus</i>	N/A	0	x	x	N/A	N/A	N/A		estimate	c	0	x	x	Unk			XX	x	unk	unk	unk	XX	XX	XX		XX	ninfo	ninfo	N/A	N/A	0
<i>Orcinus orca</i>	106915.46	6.43	x	u	60	60	60		minimum	a	21.13	+	38	i	Unk		XX	x	good	good	unk	FV	FV	+	FV	genuine	genuine	115100	b	32.35	
<i>Phoca vitulina</i>	N/A	0	x	x	N/A	N/A	N/A		estimate	c	0	x	x	Unk			XX	x	unk	unk	unk	XX	XX	XX		XX	ninfo	ninfo	N/A	d	0

SPANISH marine conservation status pledge process: 30% conservation improvement target

Criteria for marine species (Art. 17). 98 assessments

- Assessment ≠ FV : → 89 assessments left
- Species most likely to significantly improve their conservation status, we will disregard:
 - ❖ Unknown assessments (80) ≈ 82 % (!!!)
 - ❖ Assessment with > 2 Non favourable parameters

ESPECIE	REGIÓN	SEXENIO 2013-2018				
		RAN	POP	HAB	FUT	ASSE
Balaenoptera acutorostrata	MATL	XX	XX	XX	XX	XX
Balaenoptera acutorostrata	MMAC	XX	XX	XX	XX	XX
Balaenoptera acutorostrata	MMED	XX	XX	XX	XX	XX
Balaenoptera borealis	MATL	XX	XX	XX	XX	XX
Balaenoptera borealis	MMAC	XX	XX	XX	XX	XX
Balaenoptera edeni	MMAC	XX	XX	XX	XX	XX
Balaenoptera musculus	MATL	XX	XX	XX	XX	XX
Balaenoptera musculus	MMAC	XX	XX	XX	XX	XX
Centrostephanus longispinus	MMED	FV	FV	XX	XX	FV
Chelonia mydas	MATL	XX	XX	XX	XX	XX
Chelonia mydas	MMAC	XX	XX	U1	XX	U1
Chelonia mydas	MMED	XX	XX	XX	XX	XX
Corallium rubrum	MATL	U2	U2	XX	U2	U2
Corallium rubrum	MMAC	XX	XX	XX	XX	XX
Corallium rubrum	MMED	U2	U2	XX	U2	U2
Mesoplodon mirus	MMAC	XX	XX	XX	XX	XX
Monachus monachus	MMED	XX	XX	XX	XX	XX
Orcinus orca	MATL	FV	FV	XX	XX	FV
Patella ferruginea	MMED	U2	U2	FV	U2	U2
Phoca vitulina	MATL	XX	XX	XX	XX	XX
Phocoena phocoena	MATL	U1	U1	XX	U1	U1
Phocoena phocoena	MMAC	XX	XX	XX	XX	XX
Phocoena phocoena	MMED	XX	XX	XX	XX	XX

SPANISH marine pledges process: 30% target for improving status

Criteria for marine species (Art. 17)

	N. ASSESSMENTS	SPECIES
Assessments ≠ FV+1 U1/U2	4	<i>Chelonia mydas</i> (MMAC), <i>Globicephala melas</i> (MMED) <i>Grampus griseus</i> (MMED) <i>Lithophaga lithophaga</i> (MATL)
Assessments ≠ FV+2 U1/U2	0	
Assessments ≠ FV+3 U1/U2	4	<i>Corallium rubrum</i> (MATL, MMED) <i>Patella ferruginea</i> (MMED) <i>Phocoena phocoena</i> (MATL)

Aspects to consider:

- Trends on Conservation Status and on unfavourable parameters;
- Future prospect assessments, taking into account their specific pressures and threats: is it feasible to reduce them?;
- Conservation strategies, conservation/recovery plans (approved or in development);
- Policies and other actions in place or to be implemented.
- National responsibility (endangered species)

SPANISH marine pledge process: 30% target for improving status

Criteria for marine species: biodiversity and low-hanging fruits

- ***Lithophaga lithopaga* (MATL)**: U1; stable trend; future prospects U1, FV.
- ***Corallium rubrum* (MMED)**: Future prospect U2, temporary closure pending on scientific report.
- ***Chelonia mydas* (MCAN)**: Habitat U1 (other parameters XX);
 - Management plan in Canary Islands; *Cymodocea nodosa* conservation plan; monitoring programs
- ***Phocoena phocoena* (MATL)**: 3 parameters U1, habitat XX
 - Isolated genetic group, recovery plan to be approved
- ***Patella ferruginea* (MMED)**: Habitat FV, 3 parameters U2
 - Population increasing in some areas; projects



Helena Moreno

SPANISH marine pledges process: 30% target for improving status

Criteria for marine habitats (1110, 1120, 1170, 1180, 8330) : 12 assessments

- Assessment ≠ FV → 12 assessments
- All assessment are unknown !!!



- **1120- Posidonia beds (MMED)**
 - Priority Natural habitat
 - EU funds → restauration projects (PRTR), eco moorings.
 - National and regional laws for their conservation, common guidelines for their management and conservation
- **8330- Submerged or partially submerged caves (MMED)**
 - Knowledge improvement: mapping and monitoring in N2000 sites in Catalonia

SPANISH marine pledge process: 30% target for improving status

Criteria for seabirds (Art. 12). 54 assessments

Assessment ≠ secure (EU) → 35 assessments

Unknown (EU) → 18 assessments

Aspects to evaluate:

- National/ international status (European Red List of Birds 2021; CEEA);
- Assessed as threatened at EU level;
- % population in Spain;
- Pressures and threats and whether it is feasible to tackle them;
- Actions foreseen or in place (conservation/recovery plans, conservation strategies, SPA management plans, etc.)

Región	Nombre científico	Fenología	SEXENIO 2013-2018				Evaluación global a nivel de UE
			Tendencia poblacional corto plazo	Tendencia poblacional largo plazo	Tendencia distribución corto plazo	Tendencia distribución largo plazo	
ESIC	<i>Bulweria bulwerii</i>	B	UNK	UNK	UNK	UNK	Unknown
ESIC	<i>Calonectris borealis</i>	B	UNK	UNK	UNK	UNK	Unknown
ES	<i>Calonectris borealis</i>	B	S	S	I	I	Unknown
ES	<i>Calonectris diomedea s. str.</i>	B	UNK	UNK	UNK	UNK	Unknown
ES	<i>Chlidonias niger</i>	P	UNK	UNK	-	-	Depleted
ESIC	<i>Hydrobates castro</i>	B	UNK	UNK	UNK	UNK	Unknown
ESIC	<i>Hydrobates leucorhous</i>	P	UNK	UNK	-	-	Threatened
ES	<i>Hydrobates leucorhous</i>	P	UNK	UNK	-	-	Threatened
ES	<i>Hydrobates pelagicus</i>	B	UNK	UNK	UNK	UNK	Unknown
ESIC	<i>Hydrobates pelagicus</i>	B	UNK	UNK	UNK	UNK	Unknown
ES	<i>Larus audouinii</i>	B	D	I	I	I	Threatened
ESIC	<i>Puffinus puffinus</i>	B	UNK	UNK	UNK	UNK	Unknown
ES	<i>Puffinus yelkouan</i>	B	UNK	UNK	UNK	UNK	Threatened
ES	<i>Rissa tridactyla</i>	B	D	D	D	D	Threatened
ES	<i>Rissa tridactyla</i>	W	UNK	UNK	-	-	Threatened
ES	<i>Uria aalge ibericus</i>	B	D	D	D	D	Threatened

SPANISH marine pledge process: 30% target for improving status

Seabird selection

- ***Phalacrocorax aristotelis aristotelis***: VU (CEEAA). Bycatch
 - National plan for the reduction of bycatch approved.
 - National conservation strategy.
 - Projects to tackle bycatch (INTEMARES)
- ***Puffinus mauretanicus***: EN (CEEAA). Breeding only in Spain. Bycatch and nest predation.
 - National plan for the reduction of bycatch approved.
 - National conservation strategy and recovery plan at sea.
 - Intemares: anti-predator barriers
- ***Larus audouinii***: VU (CEEAA), 80 % European population in Spain.
 - SPA management plans
- ***Puffinus baroli***: VU (CEEAA).
 - Conservations plans
 - National conservation strategy



Pep Arcos

SPANISH marine pledge process: non-deterioration target

Selection: 15 habitats and Species assessments

MATL: 1 habitat and 6 spp

Biogeographical/marine region	Habitat or Species	Measure	Description of the measure
Marine Atlantic	H-1140-Mudflats and sandflats not covered by seawater at low tide	Continuation of recurring habitat management practises	Prevent conversion of natural and semi-natural habitat types, and species habitats, to agricultural land (CA01) . In Coastal habitats.
Marine Atlantic	H-1140-Mudflats and sandflats not covered by seawater at low tide	Prevent, control, eradicate or mitigate negative impacts of Invasive alien (plant or animal) species	Management, control or eradication of other invasive alien species (CI03) . In Coastal habitats.
Marine Atlantic	H-1140-Mudflats and sandflats not covered by seawater at low tide	Regulatory approaches to reduce external pressures or exploitation (such as pollution, water abstraction, marine bottom trawling, etc.) impacting on Annex I or species habitats	Reduce the impact of outdoor sports, leisure and recreational activities (CF03) . In Coastal habitats.
Marine Atlantic	H-1140-Mudflats and sandflats not covered by seawater at low tide	Regulatory approaches to reduce external pressures or exploitation (such as pollution, water abstraction, marine bottom trawling, etc.) impacting on Annex I or species habitats	Professional/commercial fisheries management (including shellfish and seaweed harvesting) (CG01) . In Coastal habitats.
Marine Atlantic	H-1140-Mudflats and sandflats not covered by seawater at low tide	Reinstatement of recurring habitat management practises	Prevent conversion of natural and semi-natural habitat types, and species habitats, to agricultural land (CA01) . In Coastal habitats.
Marine Atlantic	H-1140-Mudflats and sandflats not covered by seawater at low tide	Securing area for habitat maintenance/restoration through land purchase or definitive aquisition of use rights	Reduce the impact of outdoor sports, leisure and recreational activities (CF03) . In Coastal habitats.
Marine Atlantic	H-1140-Mudflats and sandflats not covered by seawater at low tide	Securing area for long-term habitat maintenance or restoration, through lease or transfer of rights	Reduce the impact of outdoor sports, leisure and recreational activities (CF03) . In Coastal habitats.
Marine Atlantic	H-1140-Mudflats and sandflats not covered by seawater at low tide	Adaptation of recurring habitat management practises	Managing changes in coastal conditions for marine aquaculture (CG07) . In Coastal habitats.
Marine Atlantic	S-Corallium rubrum-1001-	Regulatory approaches to reduce external pressures or exploitation (such as pollution, water abstraction, marine bottom trawling, etc.) impacting on Annex I or species habitats	There is a temporal ban until April 10, 2024 in which the extraction of red coral in foreign waters under Spanish jurisdiction is forbidden
Marine Atlantic	S-Halichoerus grypus-1364-	(Other) measures not covered elsewhere	No measures considered due to its poblational dynamics
Marine Atlantic	S-Lithothamnium coralloides-1376-	Reduce pressures on habitats or species by active measures against pollution	To be defined in coordination with regional authorities after biogeographical seminars
Marine Atlantic	S-Orcinus orca-2027-	Continuation of recurring habitat management practises	Monitoring programme for the species
Marine Atlantic	S-Phymatholithon calcareum-1377-	Continuation of recurring habitat management practises	To be defined in coordination with regional authorities after biogeographical seminars
Marine Atlantic	S-Physeter macrocephalus-2624-	Continuation of recurring habitat management practises	Monitoring programme for the species

SPANISH marine pledge process: non-deterioration target

Selection (19)

Season	Bird	Measure	Description of the measure
Breeding	Chlidonias niger-A197-	Improve condition of existing habitats (either Annex I or species habitats) through active area-based restoration measures	To be defined in accordance with regional authorities
Breeding	Calonectris borealis-A851-	Regulatory approaches to reduce external pressures or exploitation (such as pollution, water abstraction, marine bottom trawling, etc.) impacting on Annex I or species habitats	National Conservation Strategy and National Plan for reducing bycatch
Breeding	Charadrius alexandrinus-A138-	Improve condition of existing habitats (either Annex I or species habitats) through active area-based restoration measures	To be defined in accordance with regional authorities
Wintering	Gavia arctica-A002-	Regulatory approaches to reduce external pressures or exploitation (such as pollution, water abstraction, marine bottom trawling, etc.) impacting on Annex I or species habitats	National Plan to reduce bycatch
Wintering	Gavia arctica-A002-	(Other) measures not covered elsewhere	Monitoring programme in place
Wintering	Gavia immer-A003-	Regulatory approaches to reduce external pressures or exploitation (such as pollution, water abstraction, marine bottom trawling, etc.) impacting on Annex I or species habitats	National Plan to reduce bycatch
Wintering	Gavia immer-A003-	(Other) measures not covered elsewhere	Monitoring programme in place
Wintering	Gavia stellata-A001-	Regulatory approaches to reduce external pressures or exploitation (such as pollution, water abstraction, marine bottom trawling, etc.) impacting on Annex I or species habitats	National Plan to reduce bycatch
Wintering	Gavia stellata-A001-	(Other) measures not covered elsewhere	Monitoring programme in place
Breeding	Larus fuscus all others-A489-	Improve condition of existing habitats (either Annex I or species habitats) through passive/non-intervention approaches	To be defined in accordance with regional authorities
Breeding	Larus genei-A180-	Improve condition of existing habitats (either Annex I or species habitats) through passive/non-intervention approaches	To be defined in accordance with regional authorities
Breeding	Larus marinus-A187-	Regulatory approaches to reduce external pressures or exploitation (such as pollution, water abstraction, marine bottom trawling, etc.) impacting on Annex I or species habitats	National Plan to reduce bycatch
Breeding	Larus marinus-A187-	(Other) measures not covered elsewhere	Monitoring programme for better population estimations

SPANISH marine pledge process: non deterioration target

Unlikely to be achievable (2)

Pinna nobilis → Protozoa causing the decline of the species

Uria aalge ibericus (Breeding) → The species is no longer breeding



SPANISH marine pledge process

Macaronesian and Atlantic selection

30 % target → 3 spp: *Lithophaga lithophaga* and *Phocoena phocoena* (MATL); *Chelonia mydas* (MMAC)

Non deterioration target → 6 spp: *Corallium rubrum*, *Halichoerus grypus*, *Lithothamnium coralloides*, *Orcinus orca*, *Phymatholiton calcareum*, *Physeter macrocephalus* (MATL) and 1 habitat (1140)

Reducing unknowns target → 60 spp assessments and 6 habitat assessments (1110, 1170 and 8330)



SPANISH marine pledge process

Challenges

- ↑% Unknown assessments
- Lack of information → monitoring programs in process.
- Coordination with autonomous regions
- Same criteria application → impossible



Thanks a lot!

