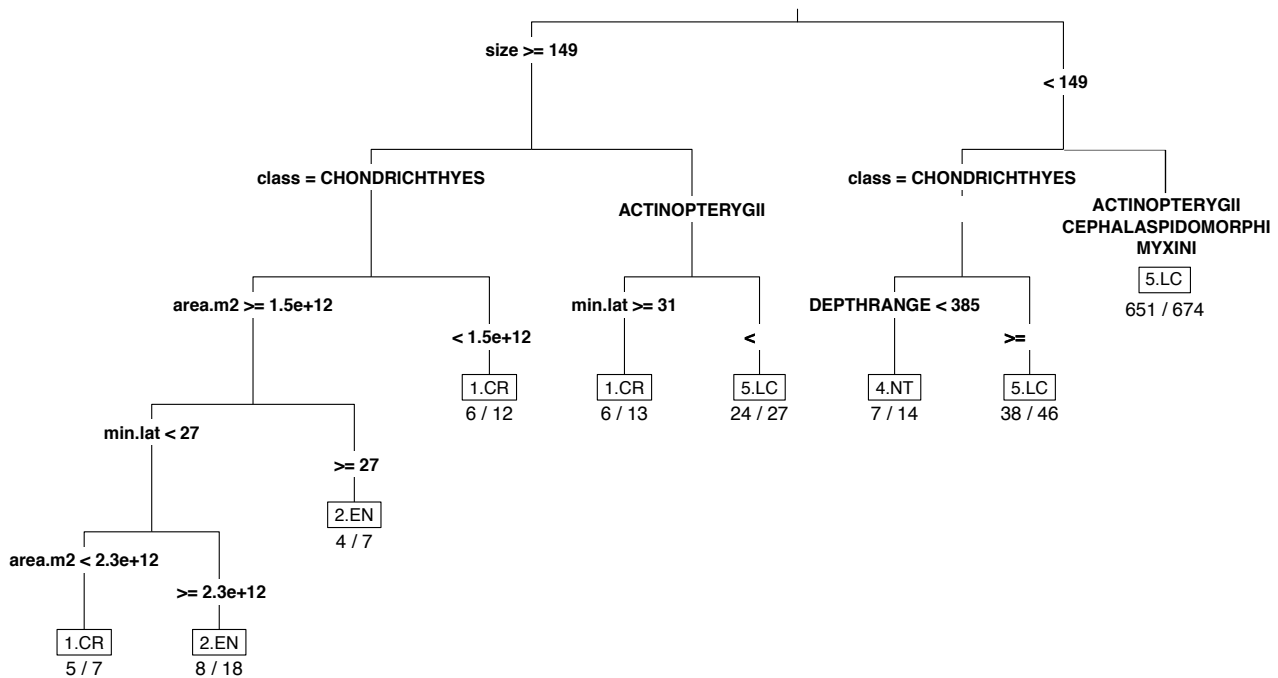


In the format provided by the authors and unedited.

Coherent assessments of Europe's marine fishes show regional divergence and megafauna loss

Supplementary Figure 1 and Supplementary Tables 1-4

Paul G. Fernandes^{1*}, Gina M. Ralph², Ana Nieto³, Mariana García Criado³, Paraskevas Vasilakopoulos^{4,5}, Christos D. Maravelias⁴, Robin M. Cook⁶, Riley A. Pollom⁷, Marcelo Kovačić⁸, David Pollard⁹, Edward D. Farrell¹⁰, Ann-Britt Florin¹¹, Beth A. Polidoro¹², Julia M. Lawson⁷, Pascal Lorange¹³, Franz Uiblein¹⁴, Matthew Craig¹⁵, David J. Allen³, Sarah L. Fowler¹⁶, Rachel H. L. Walls⁷, Mia T. Comeros-Raynal^{2,17}, Michael S. Harvey², Manuel Dureuil¹⁸, Manuel Biscoito¹⁹, Caroline Pollock³, Sophy R. McCully Phillips²⁰, Jim R. Ellis²⁰, Constantinos Papaconstantinou²¹, Alen Soldo²², Çetin Keskin²³, Steen Wilhelm Knudsen²⁴, Luís Gil de Sola²⁵, Fabrizio Serena²⁶, Bruce B. Collette²⁷, Kjell Nedreaas¹⁴, Emilie Stump²⁸, Barry C. Russell²⁹, Silvia Garcia³⁰, Pedro Afonso³¹, Armelle B. J. Jung³², Helena Alvarez³⁰, João Delgado³³, Nicholas K. Dulvy⁷ and Kent E. Carpenter²



Supplementary Figure 1 | Classification tree for the determination of IUCN extinction

risk category of 818 fish species in European waters. The designated categories are indicated in the terminal nodes (in boxes, where 1.CR=Critically Endangered; 2.EN=Endangered; 3.VU=Vulnerable; 4.NT=Near Threatened; 5.LC=Least Concern.). Underneath these are the classification rates at the terminal node, expressed as the number of correct classifications and the number of observations in the node. Splitting variables are (from top): maximum size (cm); taxonomic class, depth range (m), area occupied (m²), minimum latitude (degrees North). At each split, the condition is stipulated according to the text. For example, at the first node (maximum size >=149 cm), species for which this is false proceed to the right, they are then subject to the condition related to taxonomic class: chondrichthyes pass to the left and other [bony] fish classes to the right, resulting in 651 species of bony fish smaller than 150 cm (out of a total of 674) which are classed as Least Concern (LC) by the tree at the rightmost terminal node.

Supplementary Table 1 | List of European marine fish species listed as regionally threatened according to the Red List conducted by the International Union for Conservation of Nature. Cat = IUCN Red List Category, where CR=Critically Endangered, EN=Endangered; VU=Vulnerable. Criteria follow those of the IUCN (see Methods).

Class	Order	Species	Cat	Red List Criteria
Actinopterygii	Acipenseriformes	<i>Acipenser gueldenstaedtii</i>	CR	A2bcde
Actinopterygii	Acipenseriformes	<i>Acipenser naccarii</i>	CR	A2bcde; B2ab(i,ii,iii,iv,v)
Actinopterygii	Acipenseriformes	<i>Acipenser nudiventris</i>	CR	A2cd
Actinopterygii	Acipenseriformes	<i>Acipenser stellatus</i>	CR	A2cde
Actinopterygii	Acipenseriformes	<i>Acipenser sturio</i>	CR	A2cde; B2ab(ii,iii,v)
Actinopterygii	Acipenseriformes	<i>Huso huso</i>	CR	A2bcd
Chondrichthyes	Lamniformes	<i>Carcharodon carcharias</i>	CR	C2a(ii)
Chondrichthyes	Lamniformes	<i>Lamna nasus</i>	CR	A2bd
Chondrichthyes	Lamniformes	<i>Carcharias taurus</i>	CR	C2a(ii)
Chondrichthyes	Lamniformes	<i>Odontaspis ferox</i>	CR	A2bcd
Chondrichthyes	Rajiformes	<i>Gymnura altavela</i>	CR	A2bd
Chondrichthyes	Rajiformes	<i>Pteromylaeus bovinus</i>	CR	A2c
Chondrichthyes	Rajiformes	<i>Pristis pectinata</i>	CR	A2b; D
Chondrichthyes	Rajiformes	<i>Pristis pristis</i>	CR	A2b; D
Chondrichthyes	Rajiformes	<i>Dipturus batis</i>	CR	A2bcd+4bcd
Chondrichthyes	Rajiformes	<i>Leucoraja melitensis</i>	CR	A2bcd+3bcd
Chondrichthyes	Rajiformes	<i>Rostroraja alba</i>	CR	A2bd
Chondrichthyes	Squaliformes	<i>Centrophorus granulosus</i>	CR	A4b
Chondrichthyes	Squatiniformes	<i>Squatina aculeata</i>	CR	A2bcd
Chondrichthyes	Squatiniformes	<i>Squatina oculata</i>	CR	A2bcd+3cd
Chondrichthyes	Squatiniformes	<i>Squatina squatina</i>	CR	A2bcd+3d
Actinopterygii	Cyprinodontiformes	<i>Aphanius iberus</i>	EN	A2ce
Actinopterygii	Gadiformes	<i>Coryphaenoides rupestris</i>	EN	A1bd
Actinopterygii	Perciformes	<i>Anarhichas denticulatus</i>	EN	A2b
Actinopterygii	Perciformes	<i>Epinephelus marginatus</i>	EN	A2d
Actinopterygii	Perciformes	<i>Pomatoschistus tortonesei</i>	EN	B2ab(ii,iii)
Actinopterygii	Scorpaeniformes	<i>Sebastes mentella</i>	EN	A2bd
Chondrichthyes	Carcharhiniformes	<i>Carcharhinus longimanus</i>	EN	A2b
Chondrichthyes	Carcharhiniformes	<i>Carcharhinus plumbeus</i>	EN	A4d
Chondrichthyes	Lamniformes	<i>Alopias superciliosus</i>	EN	A2bd
Chondrichthyes	Lamniformes	<i>Alopias vulpinus</i>	EN	A2bd
Chondrichthyes	Lamniformes	<i>Cetorhinus maximus</i>	EN	A2abd
Chondrichthyes	Rajiformes	<i>Mobula mobular</i>	EN	A2d
Chondrichthyes	Rajiformes	<i>Leucoraja circularis</i>	EN	A2bcd
Chondrichthyes	Rajiformes	<i>Raja radula</i>	EN	A4b
Chondrichthyes	Rajiformes	<i>Glaucostegus cemiculus</i>	EN	A3bd

Class	Order	Species	Cat	Red List Criteria
Chondrichthyes	Rajiformes	<i>Rhinobatos rhinobatos</i>	EN	A2b
Chondrichthyes	Squaliformes	<i>Centrophorus lusitanicus</i>	EN	A4b
Chondrichthyes	Squaliformes	<i>Centrophorus squamosus</i>	EN	A4b
Chondrichthyes	Squaliformes	<i>Deania calcea</i>	EN	A4d
Chondrichthyes	Squaliformes	<i>Dalatias licha</i>	EN	A3d+4d
Chondrichthyes	Squaliformes	<i>Echinorhinus brucus</i>	EN	A2bcd
Chondrichthyes	Squaliformes	<i>Centroscyrnus coelolepis</i>	EN	A2bd
Chondrichthyes	Squaliformes	<i>Squalus acanthias</i>	EN	A2bd
Actinopterygii	Beryciformes	<i>Hoplostethus atlanticus</i>	VU	A1bd
Actinopterygii	Clupeiformes	<i>Alosa immaculata</i>	VU	B2ab(v)
Actinopterygii	Gadiformes	<i>Molva dypterygia</i>	VU	A1bd
Actinopterygii	Perciformes	<i>Mycteroperca fusca</i>	VU	B2ab(v)
Actinopterygii	Perciformes	<i>Bodianus scrofa</i>	VU	B2ab(iv,v)
Actinopterygii	Perciformes	<i>Labrus viridis</i>	VU	A4ad
Actinopterygii	Perciformes	<i>Umbrina cirrosa</i>	VU	A2bc
Actinopterygii	Perciformes	<i>Orcynopsis unicolor</i>	VU	A2bde
Actinopterygii	Perciformes	<i>Dentex dentex</i>	VU	A2bd
Actinopterygii	Pleuronectiformes	<i>Hippoglossus hippoglossus</i>	VU	A2ce
Actinopterygii	Pleuronectiformes	<i>Scophthalmus maximus</i>	VU	A2bd
Actinopterygii	Salmoniformes	<i>Salmo salar</i>	VU	A2ace
Actinopterygii	Scorpaeniformes	<i>Sebastes norvegicus</i>	VU	A2bd
Chondrichthyes	Carcharhiniformes	<i>Galeorhinus galeus</i>	VU	A2bd
Chondrichthyes	Carcharhiniformes	<i>Mustelus mustelus</i>	VU	A2bd
Chondrichthyes	Carcharhiniformes	<i>Mustelus punctulatus</i>	VU	A4d
Chondrichthyes	Rajiformes	<i>Dasyatis centroura</i>	VU	A2d
Chondrichthyes	Rajiformes	<i>Dasyatis pastinaca</i>	VU	A2d
Chondrichthyes	Rajiformes	<i>Myliobatis aquila</i>	VU	A2b
Chondrichthyes	Rajiformes	<i>Leucoraja fullonica</i>	VU	A2bd
Chondrichthyes	Rajiformes	<i>Raja maderensis</i>	VU	D2
Chondrichthyes	Squaliformes	<i>Centrophorus uyato</i>	VU	A2b
Chondrichthyes	Squaliformes	<i>Oxynotus centrina</i>	VU	A2bd

Supplementary Table 2 | Confusion matrix for the conditional random forest predicting IUCN Red List Category. Predicted class in rows, actual class in columns. Shaded areas indicate agreed classes (757 in total). The weighted kappa statistic, which is the proportion of specific agreement was 0.70, which is just short of ‘excellent’⁴² for such models; the normalized mutual information statistic was 0.45.

		Actual IUCN Red List Category					Predicted Total
		CR	EN	VU	NT	LC	
Predicted Red List Category	CR	18	5	3	0	1	26
	EN	1	8	1	1	1	12
	VU	0	0	1	0	0	1
	NT	1	2	3	8	1	15
	LC	1	8	15	17	722	764
Actual Total		21	23	23	26	725	818

Supplementary Table 3 | Definition of status of fish stocks from analytical stock assessments, defining the colour coding used in Figures 2 and 3.

Stock status	Status indicator	Explanation	Definition
Sustainable stock		Stock for which SSB (or a biomass proxy) is at or above MSY $B_{TRIGGER}$ (or a relevant proxy) and F is at or below F_{MSY} . The stock is at a level sufficient to ensure that, on average, the MSY can be obtained from the stock and for which fishing pressure is adequately controlled to avoid the stock becoming overfished. The appropriate management is in place.	$SSB/MSY B_{TRIGGER} \geq 1$ and $F/F_{MSY} \leq 1$
Recovering stock		Biomass is below the level required to derive the MSY ($SSB < MSY B_{TRIGGER}$) and F is at or below F_{MSY} , but management measures are in place to promote stock recovery, and recovery is expected to occur. The appropriate management is in place, and the stock biomass is expected to recover.	$SSB/MSY B_{TRIGGER} < 1$ and $F/F_{MSY} \leq 1$
Declining stock		Biomass is above level required to derive the MSY ($SSB \geq MSY B_{TRIGGER}$), but fishing pressure is too high ($F > F_{MSY}$) and moving the stock in the direction of becoming overfished. Management is needed to reduce F to ensure that biomass does not decline to an overfished state.	$SSB/MSY B_{TRIGGER} \geq 1$ and $F/F_{MSY} > 1$
Overfished stock		SSB is below level required to derive the MSY ($SSB < MSY B_{TRIGGER}$) and F is above F_{MSY} . The stock has been reduced by fishing, so that average recruitment levels are significantly reduced. Current management is not adequate to recover the stock, or adequate management measures have been put in place but have not yet resulted in measurable improvements. Management is needed to recover the stock.	$SSB/MSY B_{TRIGGER} < 1$ and $F/F_{MSY} > 1$
Undefined		Not sufficient quantitative information exists to determine stock status	Data to assess the stock status is required

Supplementary Table 4. Information on the assessment of fish stocks from ICES & STECF. Year refers to the year of assessment, so is an indication of the spawning stock biomass (SSB) at the start of that year and the fishing mortality (Mean F) experienced in the previous year. FishStockCode refers to the stock acronym as used by ICES for the European Union’s North East Atlantic (UE.NEA) stocks (including Iceland and Norway). F_{MSY} is reference point value for the fishing mortality associated with maximum sustainable yield. $MSY B_{trigger}$ is reference point value for the spawning stock biomass which triggers management action to avoid stocks falling below biomasses that are inconsistent with levels that support the maximum sustainable yield. Area is the geographical management area; stock status is defined in Supplementary Table 3; IUCN Cat is the two letter acronym for IUCN’s Red List Categories: where CR=Critically Endangered, EN=Endangered; VU=Vulnerable, NT=Near Threatened; LC=Least Concern; DD= Data Deficient.

Year	Species Name	Common name	FishStockCode	SSB	Mean F	F_{MSY}	$MSY B_{trigger}$	Area	Stock status	IUCN Cat
2015	<i>Ammodytes marinus</i>	Raitt's Sandeel	san-ns1	178,712	0.37	NA	215,000	EU.NEA	undefined	LC
2015	<i>Ammodytes marinus</i>	Raitt's Sandeel	san-ns2	91,545	0.07	NA	100,000	EU.NEA	undefined	LC
2015	<i>Ammodytes marinus</i>	Raitt's Sandeel	san-ns3	202,124	0.52	NA	195,000	EU.NEA	undefined	LC
2015	<i>Brosme brosme</i>	Torsk	usk-icel	6,027	0.26	0.20	NA	Iceland	undefined	LC
2015	<i>Capros aper</i>	Boar Fish	boc-nea	1	1.85	NA	347,063	EU.NEA	undefined	LC
2015	<i>Clupea harengus</i>	Herring	her-2532-gor	1,000,071	0.16	0.22	600,000	EU.NEA	sustainable	LC
2015	<i>Clupea harengus</i>	Herring	her-30	669,461	0.15	0.15	316,000	EU.NEA	declining	LC
2014	<i>Clupea harengus</i>	Herring	her-31	1	0.78	NA	NA	EU.NEA	undefined	LC
2015	<i>Clupea harengus</i>	Herring	her-3a22	129,845	0.26	0.32	110,000	EU.NEA	sustainable	LC
2015	<i>Clupea harengus</i>	Herring	her-47d3	2,215,525	0.20	0.27	1,000,000	EU.NEA	sustainable	LC
2015	<i>Clupea harengus</i>	Herring	her-67bc	194,194	0.09	0.16	410,000	EU.NEA	recovering	LC
2015	<i>Clupea harengus</i>	Herring	her-irls	89,937	0.19	0.26	54,000	EU.NEA	sustainable	LC
2015	<i>Clupea harengus</i>	Herring	her-nirs	17,633	0.25	0.26	9,500	EU.NEA	sustainable	LC
2015	<i>Clupea harengus</i>	Herring	her-noss	3,946,000	0.11	0.15	5,000,000	Norway	recovering	LC
2015	<i>Clupea harengus</i>	Herring	her-riga	90,347	0.34	0.32	60,000	EU.NEA	declining	LC
2013	<i>Coryphaenoides rupestris</i>	Roundnosed grenadier	grn.cel	0.21	0.39	1	1	EU.NEA	recovering	EN
2015	<i>Dicentrarchus labrax</i>	Bass	Bss-47	6,925	0.38	0.13	8,000	EU.NEA	overfished	LC
2010	<i>Engraulis encrasicolus</i>	Anchovy	Anc-1	756	1.05	0.43	6,432	EU.Med	overfished	LC
2010	<i>Engraulis encrasicolus</i>	Anchovy	Anc-6	20,367	0.89	0.43	52,513	EU.Med	overfished	LC
2010	<i>Engraulis encrasicolus</i>	Anchovy	Anc-9	5,216	1.72	0.43	18,736	EU.Med	overfished	LC
2011	<i>Engraulis encrasicolus</i>	Anchovy	Anc-16	10,734	0.86	0.35	32,363	EU.Med	overfished	LC
2011	<i>Engraulis encrasicolus</i>	Anchovy	Anc-17	266,254	1.33	0.58	NA	EU.Med	undefined	LC

Year	Species Name	Common name	FishStockCode	SSB	Mean F	F _{MSY}	MSY B _{trigger}	Area	Stock status	IUCN Cat
2008	<i>Engraulis encrasicolus</i>	Anchovy	Anc-20	1,191	0.28	0.53	3,259	EU.Med	recovering	LC
2011	<i>Engraulis encrasicolus</i>	Anchovy	Anc-29	669,282	1.55	0.41	NA	EU.Med	undefined	LC
2015	<i>Gadus morhua</i>	Cod	cod-2224	23,742	0.84	0.26	38,400	EU.NEA	overfished	LC
2015	<i>Gadus morhua</i>	Cod	cod-347d	148,896	0.39	0.33	165,000	EU.NEA	overfished	LC
2015	<i>Gadus morhua</i>	Cod	cod-7e-k	7,676	0.57	0.32	10,300	EU.NEA	overfished	LC
2015	<i>Gadus morhua</i>	Cod	cod-arct	1,139,000	0.48	0.40	460,000	Norway	declining	LC
2015	<i>Gadus morhua</i>	Cod	cod-farp	18,781	0.41	0.32	40,000	Faroe	overfished	LC
2015	<i>Gadus morhua</i>	Cod	cod-iceg	546,376	0.28	0.22	220,000	Iceland	declining	LC
2015	<i>Gadus morhua</i>	Cod	cod-kat	1	0.36	NA	10,500	EU.NEA	undefined	LC
2015	<i>Gadus morhua</i>	Cod	cod-scow	3,363	0.89	0.19	22,000	EU.NEA	overfished	LC
2014	<i>Gadus morhua</i>	Cod	cod-iris	3,037	1.15	0.40	8,800	EU.NEA	overfished	LC
2015	<i>Lepidorhombus boscii</i>	Four-spot Megrim	mgb-8c9a	6,573	0.39	0.17	4,600	EU.NEA	declining	LC
2014	<i>Lepidorhombus whiffiagonis</i>	Megrim	meg-4a6a	2	0.32	1.00	1	EU.NEA	sustainable	LC
2015	<i>Lepidorhombus whiffiagonis</i>	Megrim	mgw-8c9a	1,089	0.36	0.17	910	EU.NEA	declining	LC
2015	<i>Lophius budegassa</i>	Black-bellied Angler	anb-8c9a	1	0.59	1.00	1	EU.NEA	sustainable	LC
2011	<i>Lophius budegassa</i>	Black-bellied Angler	Ang-7	1,570	0.54	0.29	10,051	EU.Med	overfished	LC
2015	<i>Lophius piscatorius</i>	Monk fish (Angler)	anp-8c9a	7,546	0.25	0.19	NA	EU.NEA	undefined	LC
2015	<i>Mallotus villosus</i>	Capelin	cap-icel	460,000	NA	NA	NA	Norway	undefined	LC
2015	<i>Melanogrammus aeglefinus</i>	Haddock	had-346a	145,650	0.24	0.37	88,000	EU.NEA	sustainable	LC
2015	<i>Melanogrammus aeglefinus</i>	Haddock	had-7b-k	33,387	0.60	0.40	10,000	EU.NEA	declining	LC
2015	<i>Melanogrammus aeglefinus</i>	Haddock	had-arct	770,000	0.15	0.35	80,000	Norway	sustainable	LC
2015	<i>Melanogrammus aeglefinus</i>	Haddock	had-faro	18,133	0.29	0.25	35,000	Faroe	overfished	LC
2015	<i>Melanogrammus aeglefinus</i>	Haddock	had-iceg	78,357	0.31	0.73	45,000	Iceland	sustainable	LC
2015	<i>Melanogrammus aeglefinus</i>	Haddock	had-iris	3	0.65	NA	NA	EU.NEA	undefined	LC
2015	<i>Melanogrammus aeglefinus</i>	Haddock	had-rock	13,052	0.42	0.20	9,000	EU.NEA	declining	LC
2015	<i>Merlangius merlangus</i>	Whiting	whg-47d	263,195	0.23	0.15	184,000	EU.NEA	declining	LC
2015	<i>Merlangius merlangus</i>	Whiting	whg-7e-k	83,052	0.32	0.32	40,000	EU.NEA	sustainable	LC
2015	<i>Merlangius merlangus</i>	Whiting	whg-scow	23,058	0.03	0.22	39,900	EU.NEA	recovering	LC
2015	<i>Merluccius merluccius</i>	Hake	hke-nrtn	249,017	0.34	0.27	46,200	EU.NEA	declining	LC
2015	<i>Merluccius merluccius</i>	Hake	hke-soth	18,856	0.68	0.24	11,000	EU.NEA	declining	LC
2012	<i>Merluccius merluccius</i>	Hake	Hak-1	266	2.17	0.22	10,376	EU.Med	overfished	LC
2011	<i>Merluccius merluccius</i>	Hake	Hak-5	25	1.33	0.22	2,392	EU.Med	overfished	LC
2011	<i>Merluccius merluccius</i>	Hake	Hak-6	2,376	1.33	0.10	284,386	EU.Med	overfished	LC
2012	<i>Merluccius merluccius</i>	Hake	Hak-7	685	2.03	0.27	191,691	EU.Med	overfished	LC
2011	<i>Merluccius merluccius</i>	Hake	Hak-9	731	2.00	0.15	146,206	EU.Med	overfished	LC
2012	<i>Merluccius merluccius</i>	Hake	Hak-10	978	1.03	0.14	79,417	EU.Med	overfished	LC
2012	<i>Merluccius merluccius</i>	Hake	Hak-11	318	4.21	0.25	60,191	EU.Med	overfished	LC
2010	<i>Merluccius merluccius</i>	Hake	Hak-15.16	1,041	0.61	0.15	146,176	EU.Med	overfished	LC
2011	<i>Merluccius merluccius</i>	Hake	Hak-17	2,145	2.06	0.20	171,274	EU.Med	overfished	LC
2012	<i>Merluccius merluccius</i>	Hake	Hak-18	2,502	1.11	0.19	227,827	EU.Med	overfished	LC
2011	<i>Merluccius merluccius</i>	Hake	Hak-19	701	1.00	0.22	57,675	EU.Med	overfished	LC
2006	<i>Merluccius merluccius</i>	Hake	Hak-22.23	2,086	1.63	0.40	541,698	EU.Med	overfished	LC
2014	<i>Micromesistius poutassou</i>	Blue Whiting	whb-comb	3,965,000	0.20	0.30	2,250,000	EU.NEA	sustainable	LC

Year	Species Name	Common name	FishStockCode	SSB	Mean F	F _{MSY}	MSY B _{trigger}	Area	Stock status	IUCN Cat
2015	<i>Molva molva</i>	Ling	lin-icel	66,421	0.25	0.24	9,500	EU.NEA	declining	LC
2011	<i>Mullus barbatus</i>	Striped Mullet	Rmu-1	805	1.86	0.30	2,766	EU.Med	overfished	LC
2010	<i>Mullus barbatus</i>	Striped Mullet	Rmu-5	18	1.08	0.31	199	EU.Med	overfished	LC
2010	<i>Mullus barbatus</i>	Striped Mullet	Rmu-6	1,432	1.72	0.38	26,762	EU.Med	overfished	LC
2009	<i>Mullus barbatus</i>	Striped Mullet	Rmu-9	1,168	0.57	0.40	6,339	EU.Med	overfished	LC
2010	<i>Mullus barbatus</i>	Striped Mullet	Rmu-10	230	0.98	0.40	2,804	EU.Med	overfished	LC
2010	<i>Mullus barbatus</i>	Striped Mullet	Rmu-11	356	1.43	0.48	6,721	EU.Med	overfished	LC
2011	<i>Mullus barbatus</i>	Striped Mullet	Rmu-15.16	1,147	1.50	0.45	6,507	EU.Med	overfished	LC
2011	<i>Mullus barbatus</i>	Striped Mullet	Rmu-17	16,508	0.55	0.36	60,926	EU.Med	overfished	LC
2011	<i>Mullus barbatus</i>	Striped Mullet	Rmu-18	844	1.03	0.50	6,446	EU.Med	overfished	LC
2011	<i>Mullus barbatus</i>	Striped Mullet	Rmu-19	714	1.28	0.30	5,759	EU.Med	overfished	LC
2006	<i>Mullus barbatus</i>	Striped Mullet	Rmu-22.23	5,286	1.18	0.53	51,883	EU.Med	overfished	LC
2012	<i>Mullus barbatus</i>	Striped Mullet	Rmu-29	1,290	0.81	0.46	7,754	EU.Med	overfished	LC
2011	<i>Mullus surmuletus</i>	Red Mullet	Srm-5	192	0.79	0.29	1,123	EU.Med	overfished	DD
2011	<i>Pagellus erythrinus</i>	Pandora	Pan-15.16	1,146	0.87	0.30	26,729	EU.Med	overfished	LC
2015	<i>Pleuronectes platessa</i>	Plaice	ple-2123	16,133	0.19	0.37	5,553	EU.NEA	sustainable	LC
2015	<i>Pleuronectes platessa</i>	Plaice	ple-2432	2	0.88	NA	NA	EU.NEA	undefined	LC
2015	<i>Pleuronectes platessa</i>	Plaice	ple-7h-k	1	1.06	NA	NA	EU.NEA	undefined	LC
2015	<i>Pleuronectes platessa</i>	Plaice	ple-eche	81,191	0.11	0.25	25,826	EU.NEA	sustainable	LC
2014	<i>Pleuronectes platessa</i>	Plaice	ple-echw	2	0.50	NA	1,745	EU.NEA	undefined	LC
2014	<i>Pleuronectes platessa</i>	Plaice	ple-iris	2	NA	NA	NA	EU.NEA	undefined	LC
2015	<i>Pleuronectes platessa</i>	Plaice	ple-nsea	901,694	0.18	0.19	230,000	EU.NEA	sustainable	LC
2015	<i>Pollachius virens</i>	Saithe	sai-3a46	199,270	0.31	0.32	200,000	EU.NEA	recovering	LC
2015	<i>Pollachius virens</i>	Saithe	sai-faro	82,089	0.32	0.30	55,000	Faroe	declining	LC
2015	<i>Pollachius virens</i>	Saithe	sai-icel	138,502	0.19	0.22	65,000	Iceland	sustainable	LC
2015	<i>Sardina pilchardus</i>	Pilchard	sar-soth	139,409	0.27	0.26	368,400	EU.NEA	overfished	NT
2010	<i>Sardina pilchardus</i>	Pilchard	Sar-1	44,993	0.15	0.23	109,553	EU.Med	recovering	NT
2010	<i>Sardina pilchardus</i>	Pilchard	Sar-6	36,816	0.74	0.44	218,955	EU.Med	overfished	NT
2011	<i>Sardina pilchardus</i>	Pilchard	Sar-9	20,204	0.47	0.20	95,450	EU.Med	overfished	NT
2011	<i>Sardina pilchardus</i>	Pilchard	Sar-17	156,071	0.85	0.51	NA	EU.Med	undefined	NT
2008	<i>Sardina pilchardus</i>	Pilchard	Sar-20	5,630	0.23	0.50	6,416	EU.Med	recovering	NT
2008	<i>Sardina pilchardus</i>	Pilchard	Sar-22.23	18,280	0.69	0.50	46,984	EU.Med	overfished	NT
2015	<i>Scomber scombrus</i>	Mackerel	mac-nea	3,620,056	0.34	0.22	3,000,000	EU.NEA	declining	LC
2014	<i>Scophthalmus maximus</i>	Turbot	tur-nsea	0	1.14	NA	NA	EU.NEA	undefined	VU
2012	<i>Scophthalmus maximus</i>	Turbot	Tur-29	1,121	0.73	0.26	33,143	EU.Med	overfished	VU
2014	<i>Sebastes norvegicus</i>	Golden redfish	red.nea	335,400	0.102	0.097	220,000	EU.NEA	Declining	VU
2015	<i>Solea solea</i>	Dover Sole	sol-7h-k	1	0.75	NA	NA	EU.NEA	undefined	LC
2015	<i>Solea solea</i>	Dover Sole	sol-bisc	12,012	0.48	0.26	13,000	EU.NEA	overfished	LC
2015	<i>Solea solea</i>	Dover Sole	sol-celt	2,620	0.44	0.31	2,200	EU.NEA	declining	LC
2015	<i>Solea solea</i>	Dover Sole	sol-eche	8,143	0.55	0.30	8,000	EU.NEA	declining	LC
2015	<i>Solea solea</i>	Dover Sole	sol-echw	4,452	0.19	0.27	2,800	EU.NEA	sustainable	LC
2015	<i>Solea solea</i>	Dover Sole	sol-iris	992	0.11	0.16	3,100	EU.NEA	recovering	LC
2015	<i>Solea solea</i>	Dover Sole	sol-kask	2,162	0.18	0.23	2,600	EU.NEA	recovering	LC

SUPPLEMENTARY INFORMATION

Year	Species Name	Common name	FishStockCode	SSB	Mean F	F _{MSY}	MSY B _{trigger}	Area	Stock status	IUCN Cat
2015	<i>Solea solea</i>	Dover Sole	sol-nsea	41,137	0.26	0.20	37,000	EU.NEA	declining	LC
2012	<i>Solea solea</i>	Dover Sole	Sol-17	702	1.38	0.26	20,191	EU.Med	overfished	LC
2015	<i>Sprattus sprattus</i>	Sprat	spr-2232	753,000	0.41	0.26	570,000	EU.NEA	declining	LC
2015	<i>Sprattus sprattus</i>	Sprat	spr-nsea	576,000	0.65	0.70	142,000	EU.NEA	sustainable	LC
2013	<i>Squalus acanthias</i>	Spurdog	spu.nea	243,135	0.014	0.03	963,700	EU.NEA	recovering	EN
2015	<i>Trachurus trachurus</i>	Horse Mackerel (Scad)	hom-soth	529,830	0.04	0.11	NA	EU.NEA	undefined	LC
2015	<i>Trachurus trachurus</i>	Horse Mackerel (Scad)	hom-west	723,560	0.12	0.13	634,577	EU.NEA	sustainable	LC