



EUROPEAN  
COMMISSION

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ANNEXES 1 to 3

**ANNEXES**

*to the*

**COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN  
PARLIAMENT AND THE COUNCIL**

**Consultation on the fishing opportunities for 2016  
under the Common Fisheries Policy**

## ANNEX I –Assessment of the state of stocks in the North-East Atlantic and adjacent waters

The stock sample assessed by STECF under the new methodology is larger<sup>1</sup> than the sample used for the time series 2007-2014 (in earlier Communications). It includes stocks with an estimate of the ratio F/F<sub>msy</sub> of EU relevance for the monitoring of the CFP implementation. This results in a sample of 62 stocks.

The indicators are: a) number of stocks fished at/below F<sub>msy</sub>, b) number of stocks inside/outside safe biological limits, c) number of stocks with unknown status (with respect to safe biological limits). STECF also produced an indicator on the arithmetic mean value of F/F<sub>msy</sub>, and one on changes in advice coverage.

**Table 1. Achievement of MSY and status of stocks: 2015<sup>2</sup>**

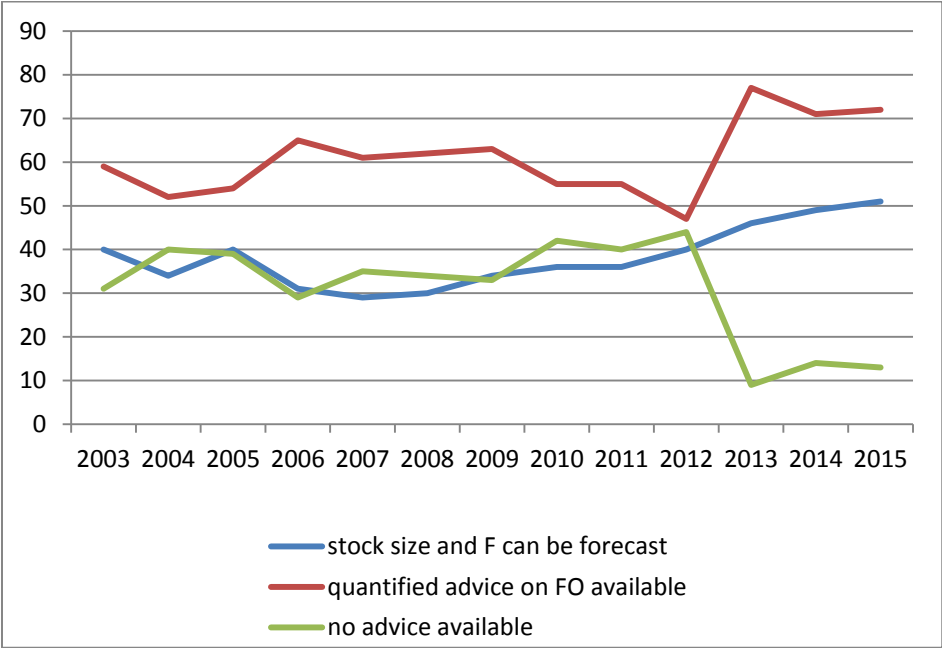
Assessment used to provide advice for year:	2015
	Number of fish stocks
Stocks with MSY estimates	62
Stocks fished at or below F <sub>msy</sub>	32
Stocks fished above F <sub>msy</sub>	30
Stocks inside safe biological limits	20
Stocks outside safe biological limits	16
Stocks with advice to stop fishing	11

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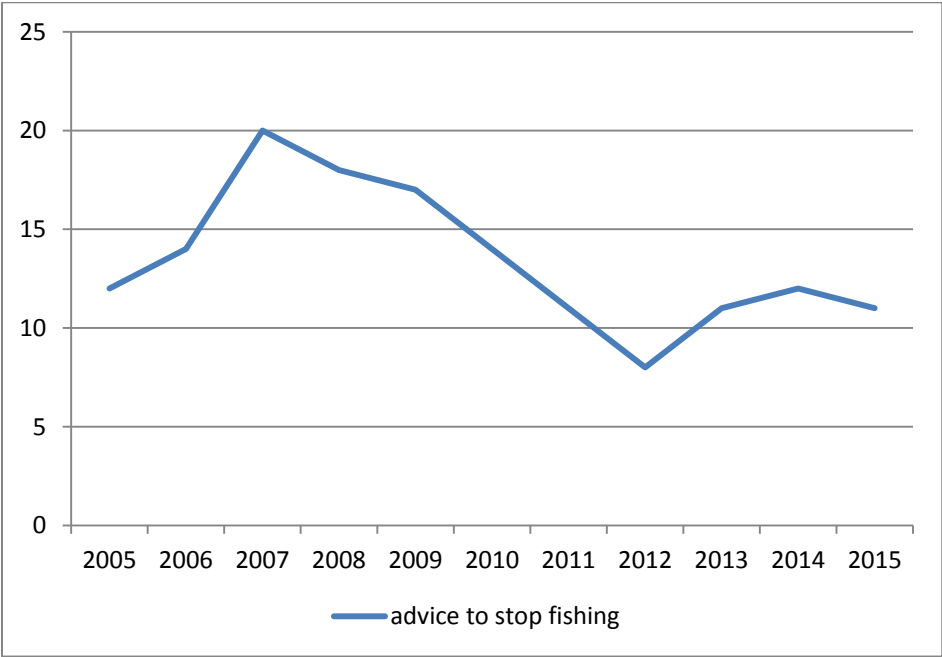
<sup>1</sup> This evaluation includes small stocks of Nephrops

<sup>2</sup> This evaluation applies the STECF methodology and is based on the latest data and assessments on stocks including small stocks of Nephrops and short-lived species managed within a biomass escapement MSY target.

**Graph 1: Coverage of advice in the north-east Atlantic including North Sea and Baltic Sea<sup>3</sup>**



**Graph 2: Number of stocks with advice to stop fishing<sup>4</sup>**



<sup>3</sup> From data compiled by European Commission, using the same method as in previous editions of this Communication.

<sup>4</sup> Advice to stop fishing, for a zero catch, for the lowest possible level of catch or similar wording

**Table 3. Status of stocks fished at MSY (as assessed in 2013 for 2015 advice)**

<b>Fished at or below MSY</b>	<b>Fished above MSY</b>
<p><b>Baltic Sea:</b> Herring in Subdivisions 25 - 29 (excluding Gulf of Riga) and 32 Herring in Subdivision 30 (Bothnian Sea) Herring in Subdivision 28.1 (Gulf of Riga)</p>	<p>Cod in Subdivisions 22-24 (Western Baltic Sea) Herring in Division IIIa and Subdivisions 22 - 24 (Western Baltic spring spawners) Sprat in Subdivisions 22 - 32 (Baltic Sea)</p>
<p><b>North Sea (Including Skagerrak and Eastern Channel):</b> Haddock in Subarea IV and Divisions IIIa West and VIa (North Sea, Skagerrak and West of Scotland) Herring in Subarea IV and Divisions IIIa and VIId (North Sea autumn spawners) Nephrops in Fladen Ground (FU 7), in Firth of Forth (FU 8) and in Moray Firth (FU 9) Norway Pout in Subarea IV (North Sea) and Division IIIa (Skagerrak - Kattegat) - Autumn assessment Northern shrimp (<i>Pandalus borealis</i>) in Divisions IIIa West and IVa East (Skagerrak and Norwegian Deepes) Plaice Subarea IV (North Sea) Sole in Division VIIe (Western Channel) Sprat in Subarea IV (North Sea)</p>	<p>Cod in Subarea IV (North Sea), Division VIId (Eastern Channel) and IIIa West (Skagerrak) Nephrops in Farn Deepes (FU 6) Saithe<sup>5</sup> in Subarea IV (North Sea) Division IIIa West (Skagerrak) and Subarea VI (West of Scotland and Rockall) Sandeel in the Dogger Bank area (SA 1) Sandeel in the South Eastern North Sea (SA 2) Sandeel in the Central Eastern North Sea (SA 3) Sole in Division VIId (Eastern Channel) Sole in Subarea IV (North Sea) Sole in Division IIIa and Subdivisions 22-24 (Skagerrak, Kattegat, and the Belts)</p>
<p><b>Western European Waters</b> Black-bellied anglerfish (<i>Lophius budegassa</i>) in Divisions VIIIc and IXa White anglerfish (<i>Lophius piscatorius</i>) in Divisions VIIIc and IXa Herring in Division VIIa South of 52° 30' N and VIIg.h.j.k (Celtic Sea and South of Ireland) Herring in Division VIIa North of 52° 30' N (Irish Sea) Horse mackerel (<i>Trachurus trachurus</i>) in Division IXa (Southern stock) Megrin (<i>Lepidorhombus whiffiagonis</i>) in Divisions VIIIc and IXa Nephrops in North Minch (FU 11) Nephrops in South Minch (FU 12) Nephrops in the Firth of Clyde (FU 13) Nephrops in the Sound of Jura (FU 13) Nephrops in Irish Sea East (FU 14) Nephrops on Porcupine Bank (FU 16) Nephrops in the Smalls (FU 22) Whiting in Division VIIe-k</p>	<p>Cod in Divisions VIIe-k (Celtic Sea cod) Cod in Division VIIa (Irish Sea) Cod in Division VIa (West of Scotland) Haddock in Divisions VIIb.c.e-k Haddock in Division VIb (Rockall) Herring in Division VIa (North)  Hake in Division VIIIc and IXa (Southern stock) Megrin (<i>Lepidorhombus</i> spp.) in Divisions IVa and VIa Four-spot megrim (<i>Lepidorhombus boscii</i>) in Divisions VIIIc and IXa Nephrops in Irish Sea West (FU 15) Nephrops on the Aran Grounds (FU 17) Plaice in Division VIIe (Western Channel) Sole in Divisions VIIIa.b (Bay of Biscay) Sole in Divisions VIIf. g (Celtic Sea) Sole in Division VIIa (Irish Sea) Nephrops off the southeastern and southwestern coasts of Ireland (FU 19)</p>
<p><b>Widely distributed stocks</b> Blue ling (<i>Molva dypterygia</i>) in Division Vb. and Subareas VI and VII Herring in Subareas I, II, V and Divisions IVa and XIVa (Norwegian spring-spawning herring) Mackerel in the Northeast Atlantic (combined Southern, Western and North Sea spawning components) Roundnose grenadier (<i>Coryphaenoides ruppenstris</i>) in Subareas VI and VII. and Divisions Vb and XIIIb Blue whiting in Subareas I-IX, XII and XIV (combined stock)</p>	<p>Hake in Division IIIa, Subareas IV, VI and VII and Divisions VIIIa.b.d (Northern stock) Horse mackerel (<i>Trachurus trachurus</i>) in Divisions IIa, IVa, Vb, VIa, VIIa-c, e-k, VIII (Western stock)</p>

<sup>5</sup> Only very slightly overfished

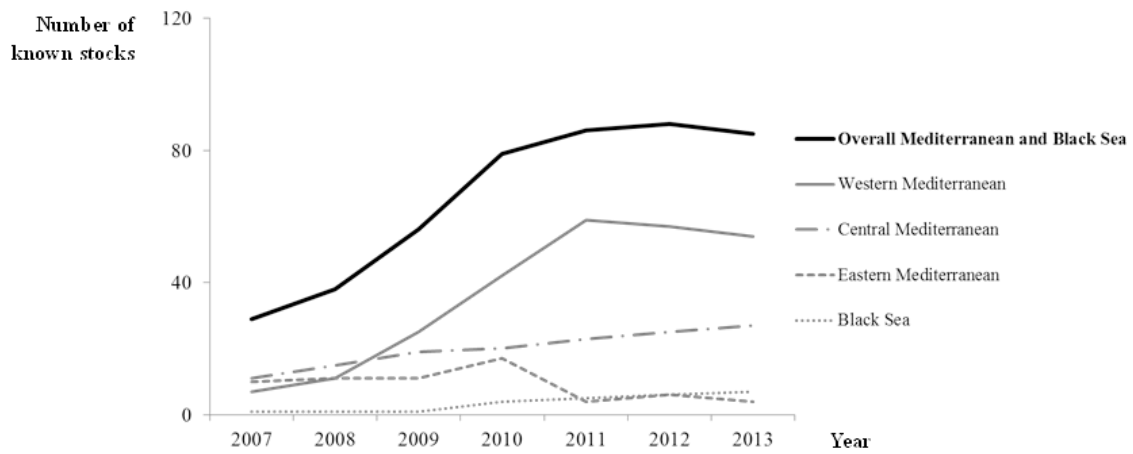
## Annex II Mediterranean

**Table 1.** Number of known stocks and proportion of stocks assessed as overfished in the Mediterranean and Black Sea, per region, 2010 - 2013 (**Source:** STECF and GFCM-SAC).<sup>6, 7</sup>

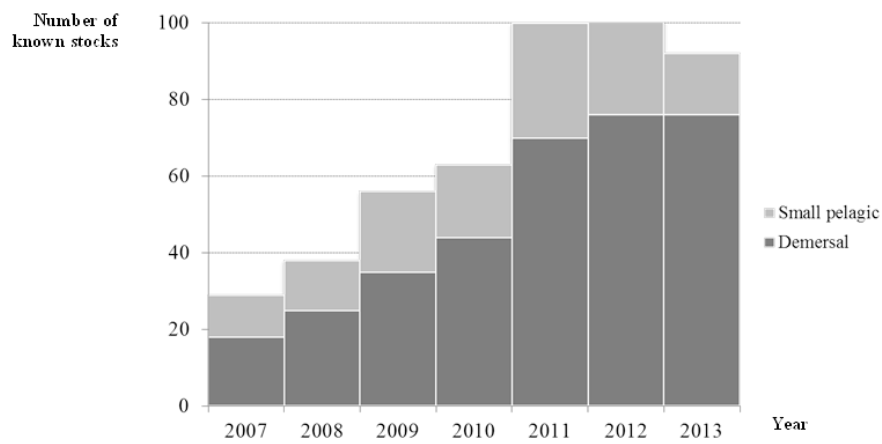
Area	2010	2011	2012	2013
<b>MEDITERRANEAN SEA</b>				
Number of known stocks	78	88	90	83
Proportion of stocks assessed as overfished	87%	95%	93%	93%
Western Mediterranean				
Number of known stocks	41	60	57	52
Proportion of stocks assessed as overfished	95%	97%	95%	92%
Central Mediterranean				
Number of known stocks	20	24	27	27
Proportion of stocks assessed as overfished	80%	92%	93%	93%
Eastern Mediterranean				
Number of known stocks	17	4	6	4
Proportion of stocks assessed as overfished	82%	75%	83%	75%
<b>BLACK SEA</b>				
Number of known stocks	4	5	6	7
Proportion of stocks assessed as overfished	75%	100%	83%	86%
<b>TOTAL Number of known stocks</b>	<b>82</b>	<b>93</b>	<b>96</b>	<b>90</b>

<sup>6</sup> The respective catches, in live weight, of the known stocks correspond to a limited part of the total catches in the Mediterranean and Black Seas (*i.e.* approx. 495 Kt out of 1.4Mt total estimated, **Source:** STECF, GFCM-SAC, and FAO Capture Production). The total number of known stocks may therefore be still very limited compared to the total compared to the total number of stocks.

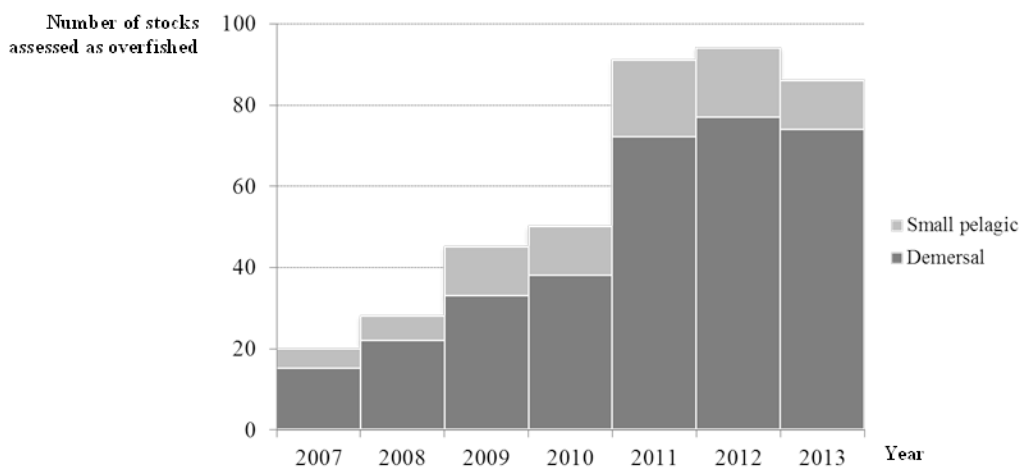
<sup>7</sup> "TOTAL number of known stocks" means the overall number of advices provided per sub-region and per year. The total number of advices can include the same stock in several years



**Figure 1.** Number of known stocks 2007-2013 by Mediterranean sub-region and Black Sea.



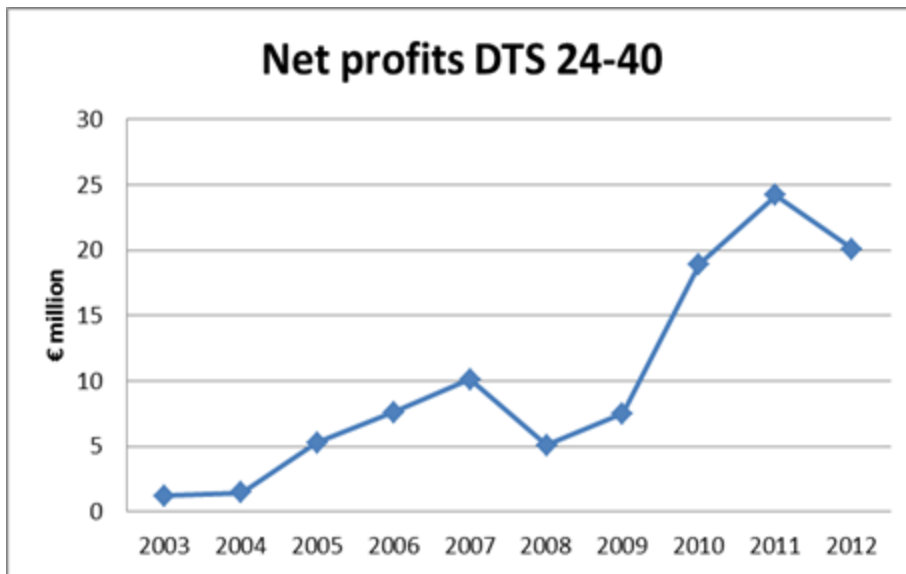
**Figure 2.** Number of known stocks from 2007-2013 by fishery in the Mediterranean and Black Sea.



**Figure 3.** Number of overfished stocks from 2007-2013 by fishery in the Mediterranean and Black Sea

### Annex III. Economic performance in haddock fisheries in the Atlantic

Graph 1 Net profits demersal trawlers UK (vessel length 24-40)



Graph 2 Average wage and GVA per vessel demersal trawlers UK (vessel length 24-40)

