

IFFO RS Global Standard for Responsible Supply of Marine Ingredients

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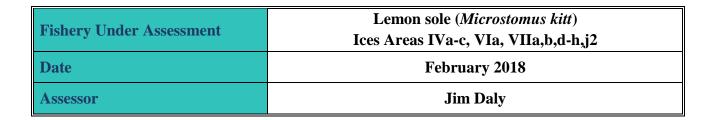




Global Standard for Responsible Supply of Marine Ingredients Fishery Assessment Methodology and Template Report V2.0



IFFO RS Global Standard for Responsible Supply of Marine Ingredients



Application details and summary of the assessment outcome						
Name: Pelagia						
Address: Killybegs						
Country:		Zip:				
Tel. No.:		Fax. No.:				
Email address:		Applicant Code				
Key Contact:		Title:				
Certification Body De	Certification Body Details					
Name of Certification Body:		SAI Global				
Assessor Name	Peer Reviewer	Assessment Days	Initial/Surveillance approval	/Re- Whole fish/ B product	y-	
Jim Daly	Conor Donnelly	1	Re-approval	By-product		
Assessment Period	2017					

Scope Details	
Management Authority (Country/State)	EU/Common Fisheries Policy
Main Species	Lemon sole (Microstomus kitt)
Fishery Location	Ices Areas IVa-c, VIa, VIIa,b,d-h,j2
Gear Type(s)	Beam, Otter, Gillnet
Outcome of Assessment	
Overall Outcome	Pass
Clauses Failed	None
Peer Review Evaluation	Agree with determination
Recommendation	Approve

Assessment Determination

There is an effective fishery management framework in place at EU level, but there is no evidence of it being applied to all of the area under assessment. Fishery removals are included in the stock assessment process in some areas. There is no specific management plan for lemon sole in the assessment area.

Regulations including minimum mesh size and restrictions on the permitted percentage of Lemon sole bycatch when targeting other, more valuable species should restrict fishing mortality. No reference points are defined in terms of absolute values however modelling suggests that fishing mortality is below and stock size above proxies of the MSY reference points in the area assessed (North Sea, Skagerrak and Kattegat, Eastern English Channel).

Lemon sole has not yet been assessed on the IUCN Red List. The species also does not appear on the current CITES list of endangered species (both sites accessed 05.03.18).

The assessment team recommends the approval of Lemon sole as a by-product species under the current IFFO RS Standard.

Peer Review Comments

Notes for On-site Auditor

Species-Specific Results

Category	Species	% landings	Outcome (Pass/Fail)	
			A1	
Catagory			A2	
Category A			A3	
			A4	
Category B				
Category C	Lemon sole (Microstomus kitt)		PASS	
Category D				

[List all Category A and B species. List approximate total % age of landings which are Category C and D species; these do not need to be individually named here]

SPECIES CATEGORISATION

The following table should be completed as fully as the available information permits. Any species representing more than 0.1% of the annual catch should be listed, along with an estimate of the proportion of the catch each species represents. The species should then be divided into Type 1 and Type 2 as follows:

- **Type 1 Species** can be considered the 'target' or 'main' species in the fishery. They make up the bulk of annual landings and are subjected to a detailed assessment.
- **Type 2 Species** can be considered the 'bycatch' or 'minor' species in the fishery. They make up a small proportion of the annual landings and are subjected to relatively high-level assessment.

Type 1 Species must represent 95% of the total annual catch. Type 2 Species may represent a maximum of 5% of the annual catch (see Appendix B).

Species which make up less than 0.1% of landings do not need to be listed (NOTE: ETP species are considered separately). The table should be extended if more space is needed. Discarded species should be included when known.

The 'stock' column should be used to differentiate when there are multiple biological or management stocks of one species captured by the fishery. The 'management' column should be used to indicate whether there is an adequate management regime specifically aimed at the individual species/stock. In some cases it will be immediately clear whether there is a species-specific management regime in place (for example, if there is an annual TAC). In less clear circumstances, the rule of thumb should be that if the species meets the minimum requirements of clauses A1-A4, an adequate species-specific management regime is in place.

NOTE: If any species is categorised as Endangered or Critically Endangered on the IUCN Red List, or if it appears in the CITES appendices, it **cannot** be approved for use as an IFFO RS raw material. This applied to whole fish as well as by-products.

TYPE 1 SPECIES (Representing 95% of the catch or more)

Category A: Species-specific management regime in place. **Category B:** No species-specific management regime in place.

TYPE 2 SPECIES (Representing 5% OF THE CATCH OR LESS)

Category C: Species-specific management regime in place.

Category D: No species-specific management regime in place.

Common name	Latin name	Stock	% of landings	Management	Category
Lemon sole	Microstomus kitt	North-East Atlantic		EU/CFP	С

CATEGORY C SPECIES

In a whole fish assessment, Category C species are those which make up less than 5% of landings, but which are subject to a species-specific management regime. In most cases this will be because they are a commercial target in a fishery other than the one under assessment. In a by-product assessment, Category C species are those which are subject to a species-specific management regime, and are usually targeted species in fisheries for human consumption.

Clause C1 should be completed for **each** Category C species. If there are no Category C species in the fishery under assessment, this section can be deleted. A Category C species does not meet the minimum requirements of clause C1 should be re-assessed as a Category D species.

Spec	eies N	ame	Lemon sole Microstomus kitt			
C1	Categ	Category C Stock Status - Minimum Requirements				
\mathbf{v}	C1.1	Fishery rem	Fishery removals of the species in the fishery under assessment are included in the			
		stock assessment process, OR are considered by scientific authorities to be negligible.				
	C1.2	The species is considered, in its most recent stock assessment, to have a biomass PA				
		above the	limit reference point (or proxy), OR removals by the fishery under			
		assessment	are considered by scientific authorities to be negligible.			
			Clause outcome:	PASS		

Evidence

Common Fisheries Policy:

Member States of the European Union implement the Common Fisheries Policy (CFP) in their waters. In force since 1983, the CFP aims to reconcile resource conservation with the preservation of income and jobs in coastal zones that offer few alternatives in terms of production or employment. It therefore covers not just resources but also markets and structures.

With regard to resource management, the CFP regulations comprise:

- A traditional management tool based on Total Allowable Catches (TACs) and quotas;
- Technical measures relating to gear or catch;
- Effort-related management, based on vessel engine power and the number of days at sea.

The CFP also provides for the introduction of measures to rebuild, over a period of several years, stocks that are threatened in terms of sustainable harvesting, and for recourse to effort-related management rules to supplement TACs and quotas.

The CFP is periodically reviewed and reformed. The most recent CFP reform process was completed in 2013 and came into effect from the 1st January 2014. Key changes include:

- The introduction of an objective to 'ensure high long-term fishing yields for all stocks at the latest by 2020' (i.e. movement towards an MSY-based approach).
- The gradual (2015-2019) introduction on a fishery-by-fishery basis of a 'landing obligation', which effectively bans discarding.
- An overhaul of the management structure, including increased regionalisation and more extensive stakeholder consultation.

Species – Specific Management:

Lemon sole is subject to an annual quota which includes witch (*Glyptocephalus cynoglossus*) under a combined species TAC. The management area and associated TAC for 2018 (2017 in brackets) is as follows:

• Union waters of 2a and 4: (6,391t) 6,391t

The management area does not correspond to the area for which ICES advice is given. There is no specific management plan for lemon sole in this area. Lemon sole is mainly fished as a bycatch species in other, more valuable fisheries.

ICES Advice: (2017 data)

Subarea IV, Divisions IIIa and VIId (North Sea, Skagerrak and Kattegat, Eastern English Channel):

Official landings data are available from 1950 onwards, while ICES landings and discard estimates are available for the years 2013–2016 (figure 1). ICES note that length data from commercial fleets have not been consistently provided, and age data are very sparse. Improved information on age and length distributions in landings and discards, from most countries participating in the fishery, would be required in order to conduct a fully analytical, catch-based assessment.

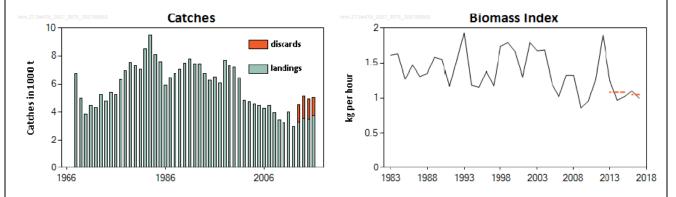


Figure 1. Lemon sole in Subarea 4 and divisions 3.a and 7.d. Summary of the stock assessment. Left: Official landings (1983–2012), and ICES estimated landings and discards (2013–2016; tonnes). Official landings for 2012 are low because some data were not submitted. Right: Abundance indices (trend in catch per unit effort since 1966 (kg h–1) from IBTS Q1), including horizontal lines showing the DLS 3.2 decision rule. Source: R3.

Consequently, ICES apply their framework for category 3 stocks (stocks for which survey based assessments indicate trends) (ICES, 2012). The Surplus Production in Continuous Time (SPiCT; Pedersen and Berg, 2017) analysis suggests that fishing mortality is below and stock size above proxies of the MSY reference points (Figure 2). No reference points are defined for this stock in terms of absolute values.

In the opinion of ICES management of lemon sole under a combined species TAC prevents effective control of the single-species exploitation rates and could potentially lead to over-exploitation of either species. ICES advises that a single-species TAC could be more appropriate.

The stock has also been assessed in 2017 by the Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak (WGNSSK). Surveys (*IBTS, BTS) provided information on distribution, abundance and length frequency. A number of SPiCT model runs (Pedersen and Berg 2017) were also undertaken. On the basis of this final SPiCT analysis, WGNSSK concludes that there is sufficient evidence that F < F(msy) and B > B(msy) for lemon sole.

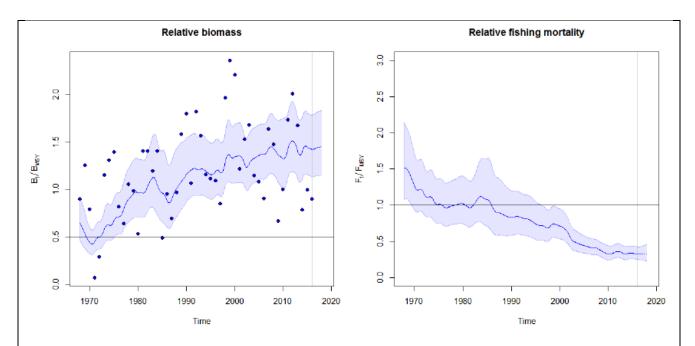


Figure 2. Lemon sole in Subarea 4 and divisions 3.a and 7.d. SPiCT analysis showing exploitable biomass relative to BMSY and fishing mortality relative to FMSY. The symbols in the relative biomass plot indicate observed biomass indices (blue dots = IBTS Q1) while the shaded areas in both plots indicate 95% confidence intervals. The horizontal lines indicate levels relative to the FMSY and MSY Btrigger proxies. A subset of the IBTS Q1 index (Dutch and Scottish surveys only) is used for the SPiCT analysis, which differs from the full IBTS used for the index ratio. Source: R3.

R1-R7

References

R1 EU Fishing Quotas (2018):

• Council Regulation (EU) No. 2018/120 fixing for 2018 the fishing opportunities for certain fish stocks and groups of fish stocks, applicable in Union waters and, for Union fishing vessels, in certain non-Union waters: <u>http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32018R0120</u>

R2 EU Technical Measures (Consolidated):

• Annex I Council Regulation (EC) No 850/98 for the conservation of fishery resources through technical measures for the protection of juveniles of marine organisms: <u>http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:01998R0850</u>

R3 ICES Advice:

 Subarea 4 and divisions 3.a and 7.d: <u>http://www.ices.dk/sites/pub/Publication%20Reports/Advice/2017/2017/lem.27.3a47d.pdf</u>

R4 Implementation of Advice for Data-limited Stocks in 2012 ICES CM 2012/ACOM: 68. 42 pp.

R5 ICES WGNSSK REPORT (2017): Lemon sole in Subarea 4, Divisions 3.a and 7.d (North Sea, Skagerrak, Kattegat and Eastern English Channel) pp 301-328:

- http://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/acom/2017/WGN SSK/11%20WGNSSK%
- * IBTS: International Bottom Trawl Survey, BTS: Beam Trawl Survey (only North Sea area IV).

R6 CITES Species Endangered list: <u>http://checklist.cites.org/#/en</u>

R7 IUCN Red list: http://www.iucnredlist.org/search

Standard clauses 1.3.2.2

SOCIAL CRITERION

In addition to the scored criteria listed above, applicants must commit to ensuring that vessels operating in the fishery adhere to internationally recognised guidance on human rights. They must also commit to ensuring there is no use of enforced or unpaid labour in the fleet(s) operating upon the resource.