

IFFO RS Global Standard for Responsible Supply of Marine Ingredients

IFFO RS Limited

T: +44 (0) 2030 539 195 E: Standards@iffors.com W: www.iffors.com

Unit C, Printworks | 22 Amelia Street London, SE17 3BZ | United Kingdom





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

Version No.: 2.0

Date: July 2017





IFFO RS Global Standard for Responsible Supply of Marine Ingredients



Fishery Under Assessment	European Sardine <i>Sardina pilchardus</i> Bay of Biscay	
Date	March 2020	
Assessor	Jim Daly	
Stock Pass	ICES 8 a-b, d	
Stock Fail		

Application details and summary of the assessment outcome						
Name: Triplenine						
Address:	Address:					
Country: Denmark Zip:						
Tel. No.:		Fax. No.:				
Email address:		Applicant Code:				
Key Contact:		Title:				
Certification Body Details						
Name of Certifica	Name of Certification Body: SAI Global Ltd					
Assessor	Peer Reviewer	Assessment Days	Initial/Surveillance/ Re-approval	Whole fish/ By-product		
Jim Daly	Conor Donnelly 0.5 SURV 2 By-produc					
Assessment Period	2020					

Scope Details		
Management Authority (Country/State)	EU/Common Fisheries Policy	
Main Species	European Sardine Sardina pilchardus	
Stock:	ICES 8 a–b, d	
Fishery Location	Bay of Biscay	
Gear Type(s)	All Compliant gears	
Outcome of Assessment		
Peer Review Evaluation		
Recommendation	APPROVE	

Assessment Determination

If any species is categorised as Endangered or Critically Endangered on IUCN's Red List, or if it appears in the CITES appendices, it cannot be approved for use as IFFO RS raw material. Sardine does not appear as Endangered or Critically Endangered on IUCN's Red List, nor does it appear in CITES appendices; therefore, Sardine is eligible for approval for use as IFFO RS by-product raw material.

One stock forms part of this assessment:

1) ICES 8 a-b, d Bay of Biscay

Fishery removals of the stock are considered in the various stock assessment processes so the stock **PASSES** Clause C1.1.

For Sardine in the assessment area the most recent estimated spawning stock biomass (SSB₂₀₂₀ 125,498t) is above Blim (56,300t) and removals are not considered to be negligible therefore, the stock **PASSES** Clause C1.2.

In order to be approved, the stock assessed must pass both Clause C1.1 and C1.2; therefore:

1) Sardine is **APPROVED** by SAI Global assessors in the assessment area for the production of fishmeal and fish oil under the current IFFO RS v 2.0 by-products standard.

Peer Review Comments

Notes for On-site Auditor

HOW TO COMPLETE THIS ASSESSMENT REPORT

By-products

The process for completing the template for **by-product raw material** is as follows:

- 1. ALL ASSESSMENTS: Complete the Species Characterisation table with the names of the byproduct species and stocks under assessment. The '% landings' column can be left empty; all by-products are considered as Category C and D.
- 2. IF THERE ARE CATEGORY C BYPRODUCTS UNDER ASSESSMENT: Complete clause C1 for **each** Category C by-product.
- 3. IF THERE ARE CATEGORY D BYPRODUCTS UNDER ASSESSMENT: Complete Section D.
- 4. ALL OTHER SECTIONS CAN BE DELETED. Clauses M1 M3, F1 F3, and Sections A and B do not need to be completed for a by-product assessment.

By-product approval is awarded on a species-by-species basis. Each by-product species scoring a pass under the appropriate section may be approved against the IFFO RS Standard.

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
Sardine	Sardina pilchardus	ICES 8 a-b, d Bay of Biscay	N/A	EU/Common Fisheries Policy	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.

Spe	cies	Name	Sardine	Sardina pilchardus	
C1	Categ	ory C Stoc	k Status - I	Minimum Requirements	
	C1.1	included in	n the stock	e species in the fishery under assessment are assessment process OR are considered by be negligible.	
	C1.2	a biomass a	above the lin under asses	ed, in its most recent stock assessment, to have mit reference point (or proxy), OR removals by sment are considered by scientific authorities to	PASS
Claus	e outc	ome:			PASS
C1.1 Evide This as		ent covers Sa	ardine from	the ICES 8a, b, d (Figure 1):	

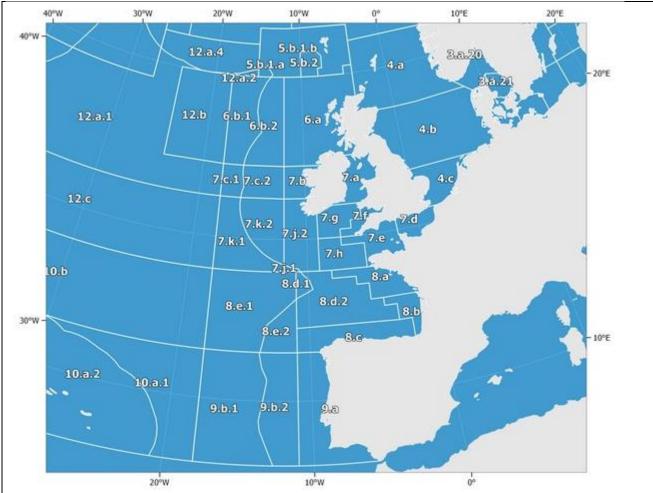


Figure 1: Map of the assessment area (ICES 8a, b, d Bay of Biscay) R1

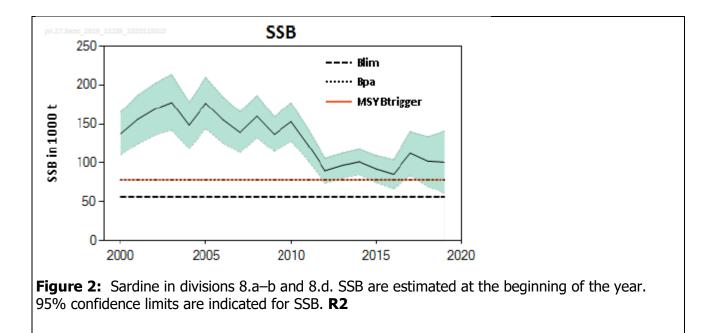
The stock assessment (annual) is an analytical assessment (Stock Synthesis Model 3) that uses catches in both model and forecast. Input data includes data from commercial catches (international landings; ages, length frequencies from catch sampling). Three survey indices are also used, including historical data from PELGAS (acoustic biomass, 2000-2019) surveys.

Discard and bycatch data are not included as they are considered negligible. This stock was last benchmarked in 2019 by WGHANSA (Working Group on Southern Horse Mackerel, Anchovy, and Sardine)

C1.2

Evidence

Spawning-stock biomass (SSB₂₀₂₀ 125,498t) has been relatively stable since 2012 and is above MSY Btrigger (78,700t) and Blim (56,300t) in 2019 (**Figure 2**);



References

R1 FAO Major Fishing Areas ATLANTIC, NORTHEAST (Major Fishing Area 27) http://www.fao.org/fishery/area/Area27/en

R2 Sardine (Sardina pilchardus) in divisions 8.a-b and 8.d (Bay of Biscay) http://www.ices.dk/sites/pub/Publication%20Reports/Advice/2019/2019/pil.27.8abd.pdf

R3 ICES. 2019a. Working Group on Southern Horse Mackerel, Anchovy and Sardine (WGHANSA). ICES Scientific Reports, 1:34. 441 pp. <u>http://doi.org/10.17895/ices.pub.4983</u>.

Standard clauses 1.3.2.2