

# FISHERY BY-PRODUCT REPORT

## IFFO GLOBAL STANDARD FOR RESPONSIBLE SUPPLY OF FISHMEAL AND FISH OIL



R1

<b>FISHERY By-Product:</b>	<b>Mackerel (<i>Scomber scombrus</i>)</b>
<b>LOCATION:</b>	<b>Northeast Atlantic</b>
<b>DATE OF REPORT:</b>	<b>Denmark 2016</b>
<b>ASSESSOR:</b>	<b>Deirdre Hoare</b>

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1. APPLICATION DETAILS AND SUMMARY OF THE ASSESSMENT OUTCOME		
Name:		
Address:		
Country: Denmark	Zip:	
Tel. No.	Fax. No.	
Email address:	Applicant Code	
Key Contact:	Title:	
Certification Body Details		
Name of Certification Body:	SAI Global (Ireland)	
Assessor Name	Peer Reviewer	Initial/Surveillance/ Re-certification
Deirdre Hoare	Virginia Polonio	Surveillance
1. Scope of Assessment		
		IFFO RS By-Product surveillance year 1
2. Fishery By-Product		
		Mackerel ( <i>Scomber scombrus</i> )
3. Fishery By-Product Location		
		Northeast Atlantic
4. Fishery Method		
		Pelagic trawl gear, purse seine nets and handlines.
5. Outcome of Assessment		
		Maintain approval

2. GUIDANCE FOR ONSITE ASSESSMENT
3. ASSESSMENT DETERMINATION
<p>There is a robust fishery management framework at the EU and Denmark levels, which is applied specifically to the mackerel stock in the assessment area (although there continues to be considerable difference between the advised and applied quotas). Management is supported by species-specific data collection and stock assessment, which has improved considerably since the last assessment. The assessment team recommends approval of this byproduct material against the IFFO RS standard.</p>

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**4. RATIONALE OF THE ASSESSMENT OUTCOME**

**A. THE MANAGEMENT FRAMEWORK AND PROCEDURE**

LEVEL OF COMPLIANCE	
<i>The management of the fishery used to produce the By- Product must include a legal and administrative basis for the implementation of measures and controls to support the management of the fishery.</i>	
<b>LOW</b>	An administrative framework that ensures an efficient management of the fishery is not established.
<b>MEDIUM</b>	An administrative framework that ensures an efficient management of the fishery is somehow established, but there is evidence of not being efficient to ensure the management of the stock.
<b>HIGH</b>	A legal and administrative framework that ensures an efficient management of the fishery is established and works efficiently.

**Determination: There are effective fishery management frameworks in place at the EU and national levels, and these frameworks are applied specifically to the byproduct stock under assessment. However, the international management plan has not been adhered to and there remains a considerable difference between the ICES advice and the management approach applied.**

M

**Fishery management framework:**

The Denmark is a member of the European Union and therefore in Community waters implements the Common Fisheries Policy (CFP). 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.

The CFP has undergone a series of updates, including the most recent reform which was implemented from 1st January 2014. The principal aim of the new CFP is to achieve maximum sustainable yield (MSY) for all stocks by 2015 where possible, and at the latest by 2020. The 2014 reform also details the gradual roll-out of a landing obligation (prohibiting discards), which began in selected fisheries in 2015 and will eventually encompass all commercial fisheries from 2019. Finally, the 2014 reform increases the role and importance of management at the regional level, and encourages more intensive stakeholder engagement.

The primary authorities with responsibility for implementing the CFP is the Danish Directorate of Fisheries, which is a part of the Ministry of Food, Agriculture and Fisheries, under the 1999 Fisheries Act.

**Species-specific management:**

Mackerel in the Northeast Atlantic is subject to quotas in the following management units:

Area	2016	2017
IIIa and IV, EU waters of IIa, IIIb+c, Subdivisions 22-32	31,241	35,286
VI, VII, VIIIa,b,d,e, Vb, IIa, XII, XIV	357,587	407,517
VIIIc, IX, X, EU waters of CECAF 34.1.1	40,918	46,631
Norwegian waters of IIa and IVa	14,043	16,004

These TAC areas do not match the ICES advice stock unit. The stock is fished by Norway, the Faroe Islands and the EU, and a management plan was agreed between these countries in October 2008. ICES evaluated the plan and found it precautionary. However, there has been no international agreement on TAC since 2009. Total agreed TAC has considerably exceeded the TAC implied by the management plan, and landings have been approximately double the management plan recommendations since 2010.

R2 – R7		
<b>B. STOCK ASSESSMENT PROCEDURES AND MANAGEMENT ADVICE</b>		
<b>LEVEL OF COMPLIANCE</b>		
<i>B. Research in support of fisheries management should exist.</i>		
<b>LOW</b>	Research to support the management of the stock does not exist	
<b>MEDIUM</b>	Research to support the management of the stock exists, however research programmes could be significantly improved to decrease scientific advice uncertainty.	
<b>HIGH</b>	Research to support the management of the stock exists, and research programmes for provision of scientific advice are considered adequate.	
<p><b>Determination: Research to support the management of the stock is conducted and is now considered by ICES to be adequate.</b></p> <p>Fisheries management in EU waters is supported by the International Council for the Exploration of the Sea (ICES). ICES utilises the best available scientific information collected by 20 member countries and others, and develops advice for the majority of commercially fished stocks in European waters.</p> <p>The stock has been benchmarked and is now subject to an age-based analytical assessment. The input data include catch data, tagging data and three survey indices. Reference points have been determined based on the MSY and precautionary approaches, and in relation to the international management plan. Time series estimates of fishing mortality and SSB are available. The new assessment was designed to take into account the uncertainty in the available data, including historical catches prior to 2000 and the lack of egg survey data prior to 1992.</p> <p>R7, 8</p>		<b>H</b>
<b>C. STOCK STATUS</b>		
<b>LEVEL OF COMPLIANCE</b>		
<i>C. The fish used to produce the fish By- Product is not considered to be critically at risk of over exploitation in accordance with the IUCN guidance.</i>		
<b>LOW</b>	The fish By-Product must not come from a species that is listed as extinct, or critically endangered.	
<b>MEDIUM</b>	The fish By- Product is from a species that is classified as vulnerable, but has a management regime in place that will control the level of fishing permitted. Or if a species is deemed to be endangered but the sub-group from where the fish By- Product is harvested is deemed scientifically to be at no risk of over exploitation.	
<b>HIGH</b>	The fish By- Product comes from a fishery that is not deemed to be at risk of over exploitation from fishing activities.	
<p><b>Determination: Mackerel has been categorised by the IUCN as a species of least concern, and therefore a high compliance rating is appropriate.</b></p> <p>The IUCN has categorised <i>Scomber scombrus</i> as a species of least concern, and it does not appear in the CITES appendices.</p> <p>R9,10</p>		<b>H</b>

**5. REFERENCES**

- R1 –Image of *Scomber scombrus* by Svensen, E., <http://fishbase.org/photos/PicturesSummary.php?StartRow=0&ID=118&what=species&TotRec=7>
- R2 - About the Common Fisheries Policy: [http://ec.europa.eu/fisheries/cfp/index\\_en.htm](http://ec.europa.eu/fisheries/cfp/index_en.htm)
- R3 – CFP – Managing fish stocks: [http://ec.europa.eu/fisheries/cfp/fishing\\_rules/index\\_en.htm](http://ec.europa.eu/fisheries/cfp/fishing_rules/index_en.htm)

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R4 – CFP – Discarding and the Landing Obligation:

[http://ec.europa.eu/fisheries/cfp/fishing\\_rules/discards/index\\_en.htm](http://ec.europa.eu/fisheries/cfp/fishing_rules/discards/index_en.htm)

R5 – Ministry of Food, Agriculture and Fisheries of Denmark, fisheries and aquaculture overview:

[http://www.fvm.dk/fisheries\\_and\\_aquaculture.aspx?ID=15231](http://www.fvm.dk/fisheries_and_aquaculture.aspx?ID=15231)

R6 - Danish Directorate of Fisheries, Control: <http://naturerhverv.fvm.dk/kontrol.aspx?ID=16792>

R7 – ICES advice, mackerel in the Northeast Atlantic:

- September 2016: <http://www.ices.dk/sites/pub/Publication%20Reports/Advice/2016/2016/macnea.pdf>

R8 – EU fishing quotas 2016: <http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32016R0072&from=EN>

<http://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32016R0072&from=EN>

R9 – IUCN redlist: <http://www.iucnredlist.org/>

R10 – CITES appendices: <http://www.cites.org/eng/app/appendices.php>

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