MarinTrust Standard V2

By-product Fishery Assessment

Ling (Molva molva) in FAO 27 Northeast Atlantic, ICES Subareas 3, 4, 6-9. 12, and 14 (Northeast Atlantic and Arctic Ocean)

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Table 1 Application details and summary of the assessment outcome

Fishery Under Assessment	Species:	Ling *(Molva molva*)
	Geographical area:	FAO 27 Northeast Atlantic
	Country of origin of the product:	France (flag state(s): Faroe Islands, Iceland, Norway)
	Stock:	Ling in ICES Subareas 3, 4, 6-9. 12, and 14 (Northeast Atlantic and Arctic Ocean)
Date	23 July 2023	
Report Code	FRA22	
Assessor	Matthew Jew	
Country of origin of the product - PASS	France (flag state(s): Faroe Islands, Iceland, Norway)	
Country of origin of the product - FAIL	NA	

Application details and summary of the assessment outcome			
Company Name(s): Copalis Industrie			
Country: France			
Email address:		Applicant Code:	
Certification Body Details			
Name of Certification Body:		Global Trust Certification	
Assessor	Peer Reviewer	Assessment Days	Initial/Surveillance/ Re-approval
Matthew Jew	Ivan Mateo	0.5	Re-approval
Assessment Period	Up to		

Scope Details	
Main Species	Ling (*Molva molva*)
Stock	Ling in ICES Subareas 3, 4, 6-9, 12, and 14 (Northeast Atlantic and Arctic Ocean)
Fishery Location	FAO Area 27 Northeast Atlantic
Management Authority (Country/ State)	European Union (Common Fisheries Policy)
Gear Type(s)	2021 Estimates: Longline (53%), Trawl (36%), Gillnets (8%), Other (4%)
Outcome of Assessment	
Peer Review Evaluation	Agree with assessor's assessment
Recommendation	Approved

Table 2. Assessment Determination

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 Marin trust raw material. Ling (*Molva molva*) does not appear as Endangered or Critically Endangered on IUCN's Red List, and does not appear in CITES appendices; therefore, *Molva molva* is eligible for approval for use as Marin trust by-product raw material. ICES cannot assess the stock and exploitation status relative to MSY and precautionary approach (PA) reference points because information to define reference points is not available. The length-based index (LBI) reference points presented in previous ICES advice are no longer considered to be robust. Thus, this stock is not subject to a species-specific management regime. Therefore, this stock cannot be assessed under category C and, instead, will be assessed as category D. Table D1 (PSA) shows that the stock as an average productivity score of **1.71** and an average susceptibility score of **3**. The PSA risk rating results (Table D3) determined that the species passes. Therefore, ling in ICES Subareas 3, 4, 6-9, 12, and 14 (Northeast Atlantic and Arctic Ocean) is **APPROVED** for the production of fishmeal and fish oil under the current MarinTrust v2.0 by-products.
Fishery Assessment Peer Review Comments
The assessor correctly classified the Ling in ICES Subareas 3, 4, 6-9, 12, and 14 (Northeast Atlantic and Artic Ocean) as category D, because information to define reference points is not available. Thus, this stock is not subject to a species-specific management regime. PSA analysis was correctly conducted Table D1 (PSA) shows that the stock has an average productivity score of 1.71 and an average susceptibility score of 3. The PSA risk rating results (Table D3) determined that the species passes. Therefore, I agree with the assessor that the Ling in ICES Subareas 3, 4, 6-9, 12, and 14 (Northeast Atlantic and Artic Ocean) should be APPROVED for the production of fishmeal and fish oil under the current MarinTrust v2.0 by-products.
Notes for On-site Auditor
Determine which flag state(s) the species is being sources from.

Species Categorisation

NB: If any species is categorised as Endangered or Critically Endangered on the IUCN Red List, or if it appears in CITES Appendix 1, it **cannot** be approved for use as an MarinTrust raw material.

IUCN Red list Category

By-product material from a species listed by IUCN (the International Union for Conservation of Nature) under the Red List for the following categories shall immediately fail the assessment;

- EXTINCT (E) AND EXTINCT IN THE WILD (EW)
- CRITICALLY ENDANGERED (CR) facing an extremely high risk of extinction in the wild.
- ENDANGERED (EN) facing a very high risk of extinction in the wild.

By-product material may be used from the following categories provided that all clauses in the MarinTrust standard are passed.

- VULNERABLE (VU) facing a high risk of extinction in the wild.
- NEAR THREATENED (NT) does not qualify for above now, but is close or is likely to qualify for, a threatened category in the near future.
- LEAST CONCERN (LC) Widespread and abundant.
- DATA DEFICIENT (DD) and NOT EVALUATED (NE)

Table 3 Species Categorisation Table

Common name	Latin name	Stock	Management	Category	IUCN Red List Category[1]	CITES Appendix 1[2]
Ling	*Molva molva*	Ling in ICES Subareas 3, 4, 6-9, 12, and 14 (Northeast Atlantic and Arc Ocean)	European Union (Common Fisheries Policy)	D	LC	No

[1] https://www.iucnredlist.org/
[2] https://cites.org/eng/app/appendices.php

CATEGORY D SPECIES

Category D species are those which are not subject to a species-specific management regime. In the case of mixed trawl fisheries, Category D species may make up the majority of landings. The comparative lack of scientific information on the status of the population of the species means that a risk-assessment style approach must be taken.

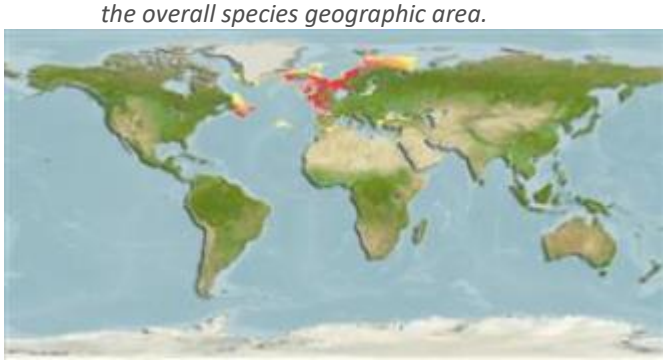
D1 Species Name

Ling (*Molva molva*)

Productivity Attribute	Value	Score
Average age at maturity (years)	4.2	1
Average maximum age (years)	20.6	2
Fecundity (eggs/spawning)	60,000,000	1
Average maximum size (cm)	200	2
Average size at maturity (cm)	71.1	2
Reproductive strategy	Broadcast spawners	1
Mean trophic level	4.4	3
	Average Productivity Score	**1.71**
Susceptibility Attribute	**Value**	**Score**
Availability (area overlap)	>30%	3
Encounterability (the position of the stock/species within the water column relative to the fishing gear)	High risk	3
Selectivity of gear type	High risk	3
Post-capture mortality	Retained	3
	Average Susceptibility Score	**3**
	PSA Risk Rating (From Table D3)	**PASS**
	Compliance rating	**PASS**

Further justification for susceptibility scoring (where relevant)

1. *Availability: The submitted stock is ICES subareas 3, 4, 6-9, 12, and 14. This area is greater than 30% of the overall species geographic area.*



2. *Encounterability: This stock is fished using trawl, gill net, and longline. Ling is a demersal species and has high overlap with the given gear types.*
3. *Selectivity of gear type: The client did not provide any indication on gear used in the application. Gears identified previously were taken from ICES 2023 advice. As no gear was identified by the client and it cannot be further determined the level of selectivity of the gear, this attribute is scored as a 3 out of precaution.*
4. *Post-capture mortality: Retained species is scored as a 3.*

References

Fishbase. 2023. *Molva molva*. https://www.fishbase.se/summary/Molva-molva.html. Accessed 20 July 2023.

ICES. 2023. Ling (Molva molva) in subareas 3, 4, 6–9, 12, and 14 (Northeast Atlantic and Arctic Ocean). In Report of the ICES Advisory Committee, 2023. ICES Advice 2023, lin.27.346-91214. https://doi.org/10.17895/ices.advice.21828360
Standard clauses 1.3.2.2

Table D2 - Productivity / Susceptibility attributes and scores.

Productivity attributes	High productivity (Low risk, score = 1)	Medium productivity (medium risk, score = 2)	Low productivity (high risk, score = 3)
Average age at maturity	<5 years	5-15 years	>15 years
Average maximum age	<10 years	10-25 years	>25 years
Fecundity	>20,000 eggs per year	100-20,000 eggs per year	<100 eggs per year
Average maximum size	<100 cm	100-300 cm	>300 cm
Average size at maturity	<40 cm	40-200 cm	>200 cm
Reproductive strategy	Broadcast spawner	Demersal egg layer	Live bearer
Mean Trophic Level	<2.75	2.75-3.25	>3.25

Susceptibility attributes	Low susceptibility (Low risk, score = 1)	Medium susceptibility (medium risk, score = 2)	High susceptibility (high risk, score = 3)
Areal overlap (availability) Overlap of the fishing effort with the species range	<10% overlap	10-30% overlap	>30% overlap
Encounterability The position of the stock/species within the water column relative to the fishing gear, and the position of the stock/species within the habitat relative to the position of the gear	Low overlap with fishing gear (low encounterability).	Medium overlap with fishing gear.	High overlap with fishing gear (high encounterability). Default score for target species
Selectivity of gear type Potential of the gear to retain species	a Individuals < size at maturity are rarely caught	a Individuals < size at maturity are regularly caught.	a Individuals < size at maturity are frequently caught
	b Individuals < size at maturity can escape or avoid gear.	b Individuals < half the size at maturity can escape or avoid gear.	b Individuals < half the size at maturity are retained by gear.
Post-capture mortality (PCM) The chance that, if captured, a species would be released and that it would be in a condition permitting subsequent survival	Evidence of majority released post-capture and survival.	Evidence of some released post-capture and survival.	Retained species or majority dead when released.

D3		Average Susceptibility Score		
		1 - 1.75	1.76 - 2.24	2.25 - 3
Average Productivity Score	1 - 1.75	PASS	PASS	PASS
	1.76 - 2.24	PASS	PASS	TABLE D4
	2.25 - 3	PASS	TABLE D4	TABLE D4