



## MarinTrust Standard V2

# By-product Fishery Assessment *Cod (Gadus morhua) in Division 5.a*

**MarinTrust Programme**

Unit C, Printworks  
22 Amelia Street  
London  
SE17 3BZ

E: [standards@marin-trust.com](mailto:standards@marin-trust.com)

T: +44 2039 780 819

**Table 1 Application details and summary of the assessment outcome**

Fishery Under Assessment	Species:	Cod ( <i>Gadus morhua</i> )
	Geographical area:	FAO 27 northeast Atlantic Ocean
	Country of origin of the product:	Denmark (flag state(s): Iceland)
	Stock:	Cod in division 5.a
Date	2 May 2023	
Report Code	DNK27	
Assessor	Matthew Jew	
Country of origin of the product - PASS	Denmark (flag state(s): Iceland)	
Country of origin of the product - FAIL	NA	

Application details and summary of the assessment outcome			
Company Name(s): FFSkagen: TripleNine			
Country: Denmark			
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	Léa Lebechnech	0.5	Surveillance 1
Assessment Period	Up to May 2023		

Scope Details	
Main Species	Cod ( <i>Gadus morhua</i> )
Stock	Cod in division 5.a
Fishery Location	FAO 27 northeast Atlantic Ocean
Management Authority (Country/ State)	EU CFP and Icelandic Ministry of Food, Agriculture and Fisheries
Gear Type(s)	Trawl, longline, nets, gillnets, and hook and line.
Outcome of Assessment	
Peer Review Evaluation	Agree with the assessor's determination
Recommendation	<b>APPROVED</b>

**Table 2. Assessment Determination**

Assessment Determination
<p>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. Cod (<i>Gadus morhua</i>) does not appear as Endangered or Critically Endangered on IUCN’s Red List, and does not appear in CITES appendices; therefore, <i>Gadus morhua</i> is eligible for approval for use as Marin trust by-product raw material.</p> <p>Cod in division 5.a is managed by the Icelandic Ministry of Industries and Innovation. The plan as re-evaluated by ICES in 2021 and was found to be aligned with both the precautionary and ICE MSY approaches. ICES evaluates the health of the stock and provides advice in relation on benchmarked reference points. As this stock is subject to a management regime and reference points are defined, cod in division 5.a was assessed under Category C.</p> <p>Fishery removals are included in the stock assessment and it PASSES Clause C1.1. The stock is considered, in its most recent stock assessment, to have biomass above the limit reference point, it PASSES Clause C1.2.</p> <p>Therefore, cod in division 5.a is <b>APPROVED</b> for the production of fishmeal and fish oil under the current MarinTrust v2.0 by-products.</p>
Fishery Assessment Peer Review Comments
<p>The internal peer reviewer agrees with the assessor’s determination, who correctly classified and approved the stock of cod in division 5.a under Category C. Fishery removals are included in the stock assessment and the stock is considered, in its most recent stock assessment, to have biomass above the limit reference point, so it PASSES Clauses C1.1 and C1.2.</p> <p>Therefore, cod in division 5.a is <b>APPROVED</b> for the production of fishmeal and fish oil under the current MarinTrust v 2.0 by-products standards.</p>
Notes for On-site Auditor
<p>N/A</p>

## 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 a 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 <sup>1</sup>	CITES Appendix 1 <sup>2</sup>
Cod	<i>Gadus morhua</i>	Cod in division 5.a	EU CFP and Icelandic Ministry of Food, Agriculture and Fisheries	C	VU	No

<sup>1</sup> <https://www.iucnredlist.org/species/8784/12931575>

<sup>2</sup> <https://cites.org/eng/app/appendices.php>

## CATEGORY C SPECIES

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. Where a species fails this Clause, it should be assessed as a Category D species instead.

Species Name		Cod ( <i>Gadus morhua</i> )	
C1	Category C Stock Status - Minimum Requirements		
	C1.1	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.	Yes
	C1.2	The species is considered, in its most recent stock assessment, to have a biomass above the limit reference point (or proxy), OR removals by the fishery under assessment are considered by scientific authorities to be negligible.	Yes

**Clause outcome: PASS**

**C1.1 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.**

ICES advises that when the Icelandic management plan is applied, catches in the fishing year 2022/2023 should be no more than 208 846 tonnes.

This stock is assessed using a separable catch-at-age model using catches in the assessment and forecast. The data used for this model are as follows: Catch-at-age and age-structured Icelandic bottom trawl survey –Spring (G3239 [IS-SMB]) age 1–14 and Autumn (G4493 [IS-SMH]) age 3–13 survey indices. Discards are not included because they are considered to be negligible.

Long term catches for the stock can be found in Figure 1.

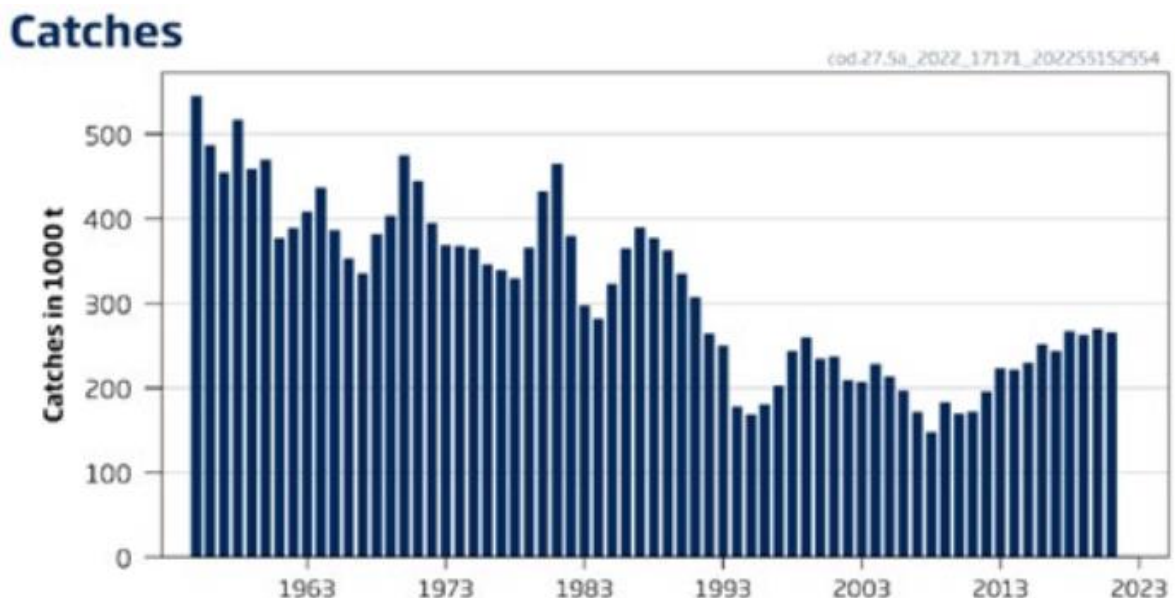


Figure 1. Long-term catches for cod in ICES division 5.a from 1955 to 2021.

Source: ICES 2022.

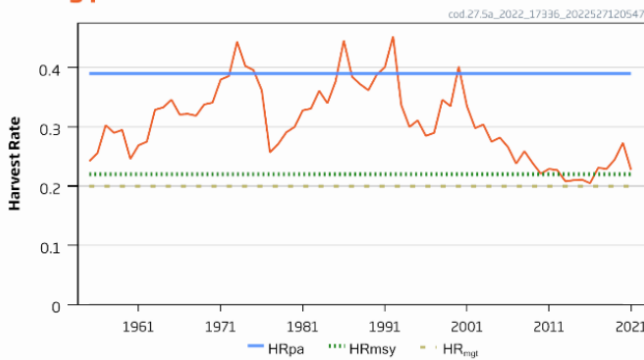
**Therefore, fishery removals of the species in the fishery under assessment are included in the stock assessment process and therefore the stock PASSES clause C1.1.**

**C1.2** The species is considered, in its most recent stock assessment, to have a biomass above the limit reference point (or proxy), OR removals by the fishery under assessment are considered by scientific authorities to be negligible. This stock has two sets of reference points that align with the MSY and precautionary approaches.

MSY approach		Precautionary approach	
MSY B <sub>trigger</sub>	265,000 t	B <sub>lim</sub>	125,000 t
HR <sub>MSY</sub>	0.22	B <sub>pa</sub>	160,000 t
		HR <sub>lim</sub>	Undefined
		HR <sub>pa</sub>	0.39

Fishing pressure on the stock is above HR<sub>MSY</sub> and below HR<sub>pa</sub>. Spawning-stock size is above MSY B<sub>trigger</sub>, B<sub>pa</sub>, and B<sub>lim</sub>.

### Fishing pressure



### Stock size

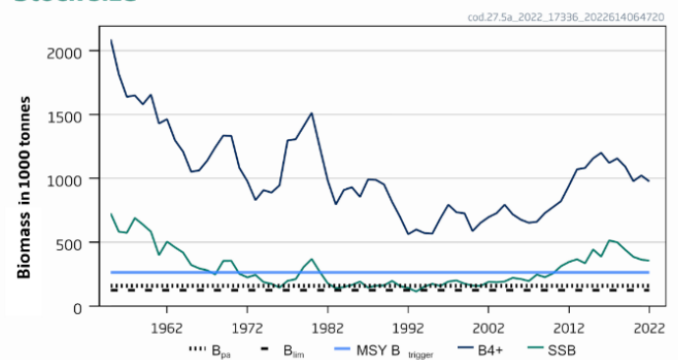


Figure 2. Cod in ICES divisions 5.a summary of the stock assessment. The left panel shows the historical fishing pressure from 1985 to 2021 and the right panel show historical biomass over the same time period. Source: ICES 2022.

Therefore, the species is considered, in its most recent stock assessment, to have a biomass above the limit reference point and it PASS clause C1.2.

### References

ICES. 2022. Cod (*Gadus morhua*) in Division 5.a (Iceland grounds). In Report of the ICES Advisory Committee, 2022. ICES Advice 2022, cod.27.5a, <https://doi.org/10.17895/ices.advice.19447886>

### Links

MarinTrust Standard clause	1.3.2.2
FAO CCRF	7.5.3
GSSI	D.3.04, D5.01