



MarinTrust Standard V2

By-product Fishery Assessment

John Dory (Zeus faber) FAO Area 27 ICES subareas 7.e-j, 8.a, & 9.a

MarinTrust Programme

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Table 1 Application details and summary of the assessment outcome

Fishery Under Assessment	Species:	John Dory (<i>Zeus faber</i>)
	Geographical area:	FAO Area 27 northeast Atlantic Ocean
	Country of origin of the product:	France (flag state(s) not provided by client)
	Stock:	John Dory in FAO 27 ICES subareas 7.e-j, 8.a, & 9.a
Date	20 July 2023	
Report Code	FRA09	
Assessor	Matthew Jew	
Country of origin of the product - PASS	France (flag state(s) not provided by client)	
Country of origin of the product - FAIL	NA	

Application details and summary of the assessment outcome			
Company Name(s): Bioceval SAS - Concarneau			
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	Surveillance 1
Assessment Period	Up to July 2023		

Scope Details	
Main Species	John Dory (<i>Zeus faber</i>)
Stock	John Dory in FAO 27 ICES subareas 7.e-j, 8.a, & 9.a
Fishery Location	FAO Area 27 northeast Atlantic Ocean
Management Authority (Country/ State)	European Union (Common Fisheries Policy)
Gear Type(s)	Not provided by client
Outcome of Assessment	
Peer Review Evaluation	Agree with assessor's assessment
Recommendation	Approved

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. John Dory (<i>Zeus faber</i>) does not appear as Endangered or Critically Endangered on IUCN’s Red List, and does not appear in CITES appendices; therefore, <i>Zeus faber</i> is eligible for approval for use as Marin trust by-product raw material.</p> <p>There are no management measures specifically implemented for the John Dory stock. The species is mainly caught in mixed trawl fisheries. There are no species-specific reference points. Therefore, following MarinTrust criteria, the species is assessed as Category D.</p> <p>Table D1 (PSA) shows that the stock as an average productivity score of 1.42 and an average susceptibility score of 2.75. The PSA risk rating results (Table D3) determined that the species passes.</p> <p>Therefore, John Dory in FAO 27 ICES subareas 7.e-j, 8.a, & 9.a is APPROVED for the production of fishmeal and fish oil under the current MarinTrust v2.0 by-products.</p>
Fishery Assessment Peer Review Comments
<p>The assessor correctly classified John Dory in FAO 27 ICES subareas 7.e-j, 8.a, & 9.a 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</p> <p>Table D1 (PSA) shows that the stock has an average productivity score of 1.42 and an average susceptibility score of 2.75. The PSA risk rating results (Table D3) determined that the species passes.</p> <p>Therefore, I agree with the assessor that John Dory in FAO 27 ICES subareas 7.e-j, 8.a, & 9.a should be APPROVED for the production of fishmeal and fish oil under the current MarinTrust v2.0 by-products.</p>
Notes for On-site Auditor
<p>Determine which flag state(s) the species is being sources from.</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 ¹	CITES Appendix 1 ²
John Dory	<i>Zeus faber</i>	John Dory in FAO 27 ICES subareas 7.e-j, 8.a, & 9.a	EU (Common Fisheries Policy)	D	DD	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.

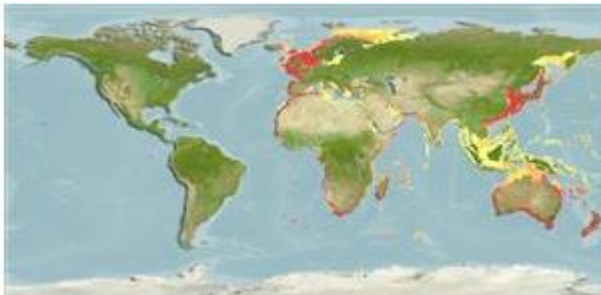
D1	Species Name	John Dory (<i>Zeus faber</i>)	
	Productivity Attribute	Value	Score
	Average age at maturity (years)	4.3	1
	Average maximum age (years)	19.1	2
	Fecundity (eggs/spawning)	>20,000	1
	Average maximum size (cm)	90	1
	Average size at maturity (cm)	37.6	1
	Reproductive strategy	Broadcast spawner	1
	Mean trophic level	4.5	3
	Average Productivity Score		1.42
	Susceptibility Attribute	Value	Score
	Availability (area overlap)	Between 10% and 30%	2
	Encounterability (the position of the stock/species within the water column relative to the fishing gear)	Not provided by client	3
	Selectivity of gear type	Not provided by client	3
	Post-capture mortality	Retained	3
	Average Susceptibility Score		2.75
	PSA Risk Rating (From Table D3)		
	Compliance rating		
	Further justification for susceptibility scoring (where relevant)		
	<ol style="list-style-type: none"> 1. <i>Availability: The submitted stock is ICES subareas 7.e-j, 8.a, & 9.a. With a large multi-ocean distribution, the fishing effort occurs on between 10% and 30%.</i> 		
			
<ol style="list-style-type: none"> 2. <i>Encounterability: Gear information not provided by client so precautionary score of 3 was awarded.</i> 3. <i>Selectivity of gear type: Gear information not provided by client so precautionary score of 3 was awarded.</i> 4. <i>Post-capture mortality: Retained species is scored as a 3.</i> 			
References			
Kim HJ. (2019). <i>Population Ecology of John dory, Zeus faber, in the coastal waters of Korea</i> (Doctoral dissertation, Pukyong National University).			
Froese, R. and D. Pauly. Editors. 2022. FishBase. Life History of <i>Zeus faber</i> (John Dory). https://www.fishbase.se/summary/SpeciesSummary.php?ID=1370&AT=john+dory . Accessed 20 July 2023.			
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