



*Mundus
maris*

**Know your fish with FishBase and help protect it.
Responding to consumer hopes for sustainable fish food**

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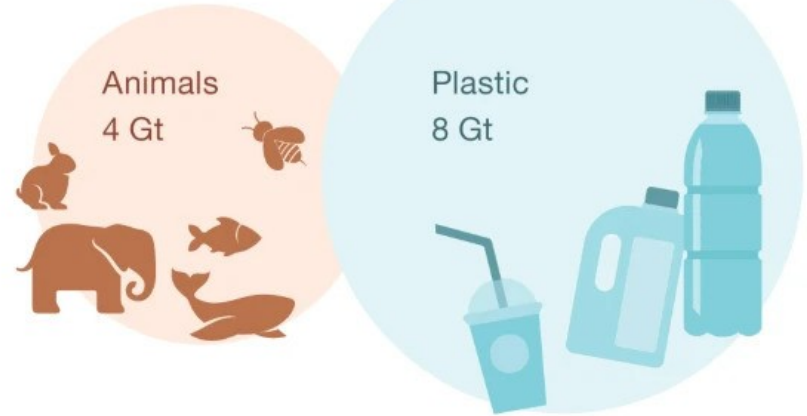
FishBase Symposium, Tervuren, Belgium, 4 September 2023



Artefacts vs Nature

Contrasting key components of global biomass and anthropogenic mass in the year 2020 (dry-weight basis).

Source: Elhacham, E., Ben-Uri, L., Grozovski, J. et al. Global human-made mass exceeds all living biomass. *Nature* 588, 442–444 (2020). <https://doi.org/10.1038/s41586-020-3010-5>



Living biomass

Human-made mass

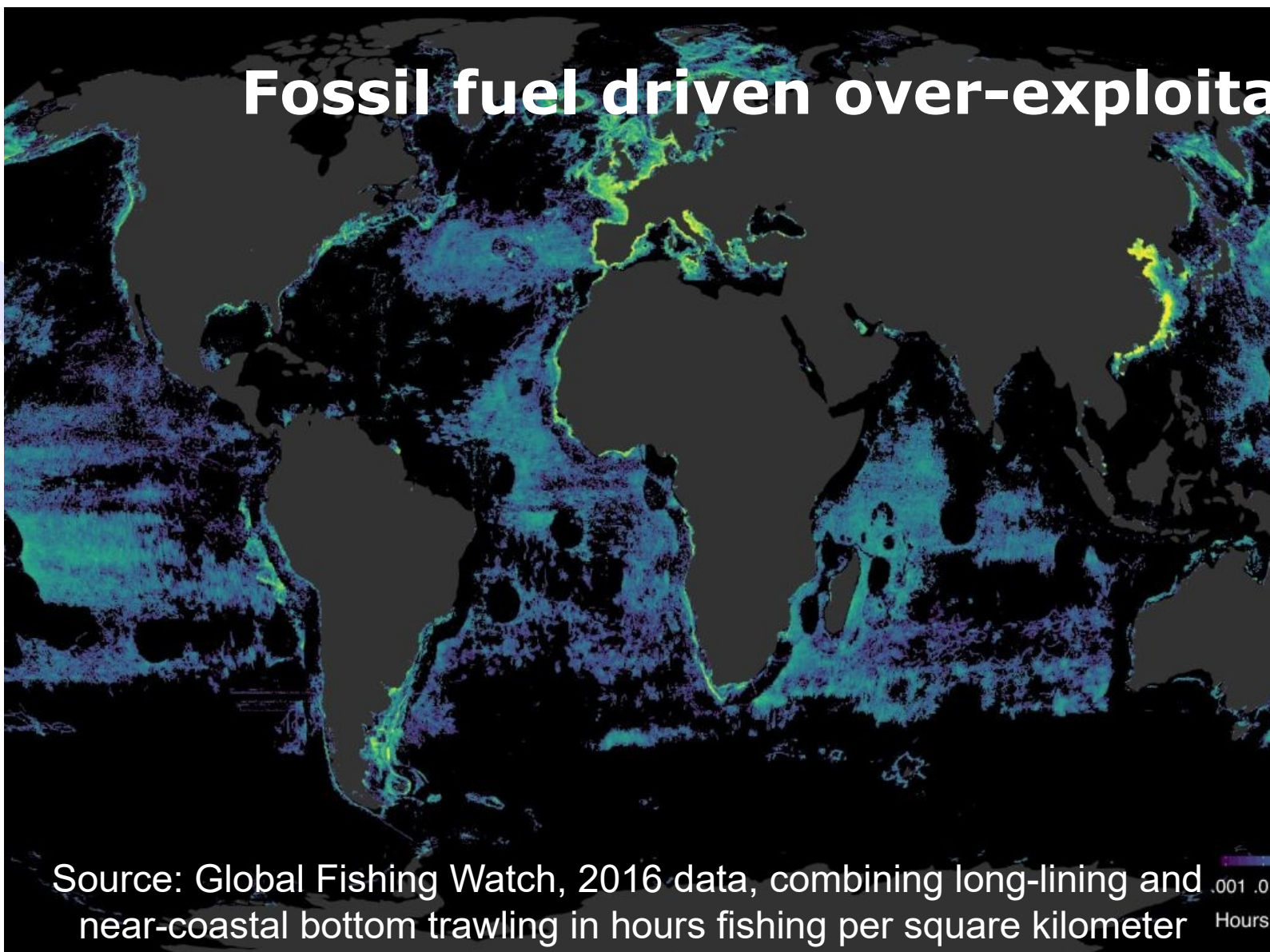


Trees and shrubs
900 Gt

Buildings and infrastructure
1,100 Gt



Fossil fuel driven over-exploitation



Source: Global Fishing Watch, 2016 data, combining long-lining and near-coastal bottom trawling in hours fishing per square kilometer

.001 .01
Hours



Scientific evidence \neq societal change

Major studies / events

- The limits to growth, Club of Rome, 1972
- IPCC reports since 2013 humans dominant
- IPBES 2021
- UN Water Conference 2023
- UN Ocean Conferences 2017/22





Plenty of information

Mirrors : fishbase.org | fishbase.se | fishbase.de | fishbase.fr | fishbase.br | fishbase.au | 中国镜像 | fishbase.us | fishbase.ca | **NEW** [New Interface!](#)

English | [Español](#) | [Português \(Br, Pt\)](#) | [Français](#) | [Deutsch](#) | [Italiano](#) | [Nederlands](#) | [简体中文](#) | [繁體中文](#) | [日本語](#) [[More...](#)]



(35300 Species, 327900 Common names, 63800 Pictures, 60200 References, 2510 Collaborators, 700000 Visits/Month)



FishBase consortium



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[FishWatcher](#) | [Ichthyology Course](#) | [LarvalBase](#) | [Team](#) | [Collaborators](#) | [Quick Identification](#)

Common Name

is (e.g. rainbow trout)

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

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Scientific Name

[Advanced Match](#)

Genus is (e.g. Rhinocodon)

Species is (e.g. typus) Random Species

Genus + Species Sp. ID

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

[Read more](#) on the position of Scaridae - parrotfishes (July 2023).

[Differences](#) between FishBase and Eschmeyer's Catalog of Fishes ([ECoF](#)).

Glossary

(e.g. oophagy)

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

Information by Family

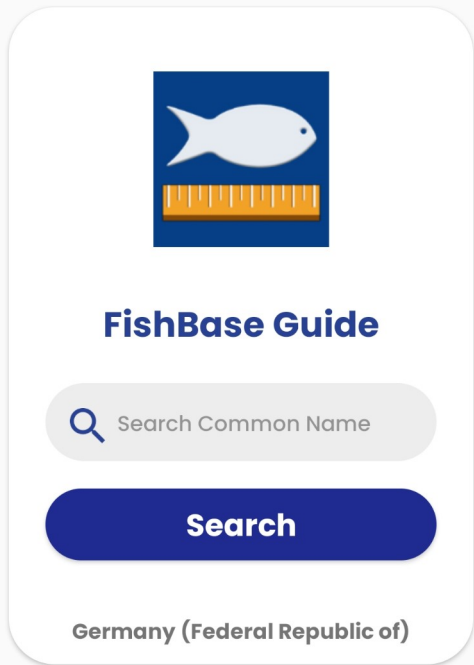
- | | | | |
|---------------------------------------|--|---|--|
| <input type="radio"/> Family info. | <input type="radio"/> Identification by pictures | <input type="radio"/> References (FishBase) | <input type="radio"/> Graphs |
| <input type="radio"/> All fishes | <input type="radio"/> List of pictures | <input type="radio"/> Missing photos | <input type="radio"/> Species Ecology Matrix |
| <input type="radio"/> Nominal species | <input type="radio"/> Identification keys | <input type="radio"/> Stamps, Coins, Misc. | <input type="radio"/> BRUVS |

Note: Lists may be incomplete. Some lists may be very long and will take time to load

Information by Country / Island

- | | | | |
|---------------------------------------|---|--|--|
| Biodiversity | Uses | Tools | Miscellaneous |
| <input type="radio"/> All fishes | <input type="radio"/> Commercial | <input type="radio"/> Identification by pictures | <input type="radio"/> Country info |
| <input type="radio"/> Freshwater | <input type="radio"/> Aquaculture | <input type="radio"/> Identification keys | <input type="radio"/> FAO profile |
| <input type="radio"/> Marine | <input type="radio"/> Aquarium trade | <input type="radio"/> Field guide | <input type="radio"/> ReefBase profile |
| <input type="radio"/> Introduced | <input type="radio"/> Invasiveness | <input type="radio"/> Occurrences | <input type="radio"/> Treaties & Conv. |
| <input type="radio"/> Endemic | <input type="radio"/> Game fishes | <input type="radio"/> References | <input type="radio"/> Collaborators |
| <input type="radio"/> Threatened | <input type="radio"/> FAO aquaculture | <input type="radio"/> Missing data | <input type="radio"/> Stamps, Coins, Misc. |
| <input type="radio"/> Extinct | <input type="radio"/> ICES catches | <input type="radio"/> Missing photos | <input type="radio"/> Common names |
| <input type="radio"/> Dangerous | <input type="radio"/> ICES catch | <input type="radio"/> Ecopath parameters | <input type="radio"/> Public aquariums |
| <input type="radio"/> Reef-associated | <input type="radio"/> Sea Around Us catch | <input type="radio"/> Species Ecology Matrix | |
| <input type="radio"/> Pelagic | <input type="radio"/> Fish Loss | <input type="radio"/> Checklist (extended) | |
| <input type="radio"/> Deep-water | | <input type="radio"/> by Large Marine Ecosystem | |
| | | <input type="radio"/> BRUVS | |

Notes:



For widespread mobile devices

- ❑ You can first choose your language, otherwise, English is the default.
- ❑ You can select a country, here Germany, which downloads all common names of fish species recorded for the country in all languages together with the valid scientific names and synonyms so as to have as good a coverage as possible.



NB The data download avoids having to be permanently connected to the internet, which can be costly in some countries.



17:37



Kabeljau

Filter By

Sort By

Location: **Germany (Federal Repu...** Language



Brisoletten, Cod, Dorsch, Fischfrikadellen, Fischklops, Fischkloss, Hartsalzung, Kabeljau, Klippfisch, Laberdan, Ostseedorsch, Salzfisch, Stockfisch, Stückenfisch, Sweikis

Gadus morhua

Gadidae (Cods and haddocks)



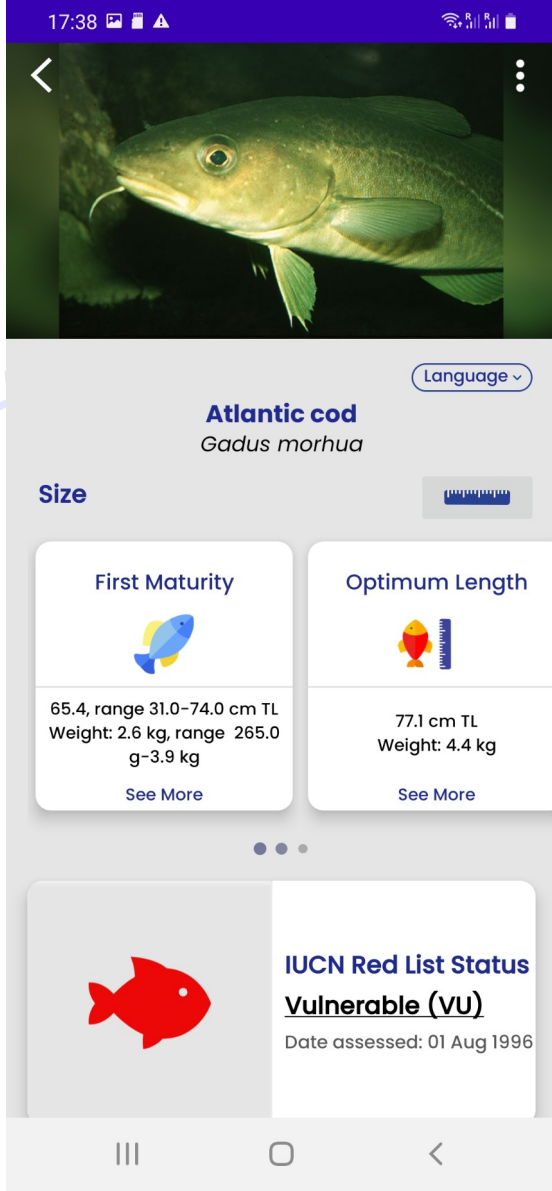
Gabeldorsch, Großer Gabeldorsch, Schleimfischartige Meertrüsche

Phycis blennoides

Phycidae (Phycid hakes)

Type a common name

- ❑ Type a common name, e.g. ‘Kabeljau’ (cod).
- ❑ You are shown the species with ‘Kabeljau’ in their name.
- ❑ Chose the right one and get the most important information on the first screen.



Key features at first glance

- ❑ Length at first maturity together with average weight and weight range
- ❑ Optimum length and estimated weight at that length
- ❑ Conservation status according to IUCN Red Lists
- ❑ Left scrolling will also produce maximum length recorded – 200 cm total length - and the corresponding weight – almost 83 kg.
- ❑ Clicking on ‘See more’ will provide additional explanations, e.g. that fish smaller than those at first maturity should be avoided
- ❑ Clicking on the meter above optimum length produces an image explaining types of measurements, e.g. TL = total length



18:16

IUCN Red List Status
Vulnerable (VU)
Date assessed: 01 Aug 1996

Spawning Period

JAN	FEB	MAR	APR
MAY	JUN	JUL	AUG
SEP	OCT	NOV	DEC

Distribution

North Atlantic and Arctic: Ungava Bay in Canada along the North American coast to Cape Hatteras; North Carolina in the western Atlantic. East and west coast of Greenland; around Iceland; from Barents Sea including the region around Bear Island along the E... [See More Info](#)

[More Info](#)

Scrolling down

- ❑ The link on the Red List Status allows to open a browser and get explanations
- ❑ The spawning period is indicated when available
- ❑ The distribution is provided as narrative
- ❑ The 'More Info' button prompts to chose a browser in order to connect to the FishBase Species Summary Page
- ❑ Scrolling up again, the three vertical dots on top left of the fish picture provide users with a link to the FishBase team to leave a comment.



Thanks for your attention
Comments for improvements welcome

More Info:

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