

## Reaching into new user groups for FishBase

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*Sardinella aurita* Valenciennes, 1847  
Round sardinella

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*Sardinella aurita*  
Picture by Luyben, J.

Add your observation in [Fish Watcher](#)  
[Native range](#) | [All suitable habitat](#) | [Point map](#) | [Year 2100](#)



This map was computer-generated and has not yet been reviewed.  
*Sardinella aurita* AquaMaps Data sources: GBIF OBIS

**Classification / Names** [Common names](#) | [Synonyms](#) | [Catalog of Fishes\(genus, species\)](#) | [ITIS](#) | [CoL](#) | [WoRMS](#) | [Cloffa](#)

Actinopteri (ray-finned fishes) > [Clupeiformes](#) (Herrings) > [Clupeidae](#) (Herrings, shads, sardines, menhadens) > Dorosomatinae

**Eymology:** *Sardinella*: Latin and Greek, sarda = sardine; name related to the island of Sardinia; diminutive (Ref. 45335). More on author: [Valenciennes](#).

**Environment: milieu / climate zone / depth range / distribution range** [Ecology](#)

Marine; brackish; pelagic-neritic; oceanodromous (Ref. 51243); depth range 0 - 350 m (Ref. 188). Subtropical; 18°C - 25°C (Ref. 2945); 47°N - 40°S, 98°W - 43°E (Ref. 54867)

**Distribution** [Countries](#) | [FAO areas](#) | [Ecosystems](#) | [Occurrences](#) | [Point map](#) | [Introductions](#) | [Faunafri](#)

Atlantic Ocean: West African coast (Ref. 2849, 3509, 5286, 121197) from Gibraltar southward to Saldanha Bay in South Africa (Ref. 188, 81269, 81631), especially in the three West African upwelling areas, from Mauritania to Guinea, from Côte d'Ivoire to Ghana and from Gabon to Angola (Ref. 121197); also in Mediterranean Sea (Ref. 188, 6683, 81631) and Black Sea (Ref. 188, 6683). In western Atlantic Ocean from Cape Cod in USA to Argentina (Ref. 188, 5286), including Bahamas, Antilles, Gulf of Mexico and the Caribbean coast (Ref. 26938).

**Length at first maturity / Size / Weight / Age**

Maturity:  $L_m$  18.8, range 13 - 25 cm  
 Max length : 41.0 cm TL male/unsexed; (Ref. 825); common length : 25.0 cm SL male/unsexed; (Ref. 188); max. published weight: 420.00 g (Ref. 86940); max. reported age: 7 years (Ref. 839)

**Short description** [Morphology](#) | [Morphometrics](#)

**Dorsal spines** (total): 0; **Dorsal soft rays** (total): 17-20; **Anal spines**: 0; **Anal soft rays**: 16 - 18; **Vertebrae**: 47 - 49.  
 Diagnosis: Body elongate, usually subcylindrical, but sometimes a little compressed; belly rather rounded, but with a distinct keel of scutes; lower gillrakers fine and numerous, more than 80; anterior gillrakers on lower limbs of second and third gill arches lying more or less flat (Ref. 188, 2945, 81269, 81631). Flanks silvery, with a faint golden midlateral line, preceded by a faint golden spot behind gill opening; a distinct black spot at hind border of

# FishBase Summary Page

FishBase is the most comprehensive repository of scientifically validated information about fish species. Being free to access, it had some 1.75 million visits from 620,000 unique visitors in January 2020 and about 0.7 million users per month the last years. Impressive for a scientific database.

But despite the large datasets for a wide range of potential applications for understanding, conserving, recovering and managing marine and freshwater biodiversity and its use in fisheries, aquaculture and ornamentals, most users take advantage of only a small fraction of the possibilities.

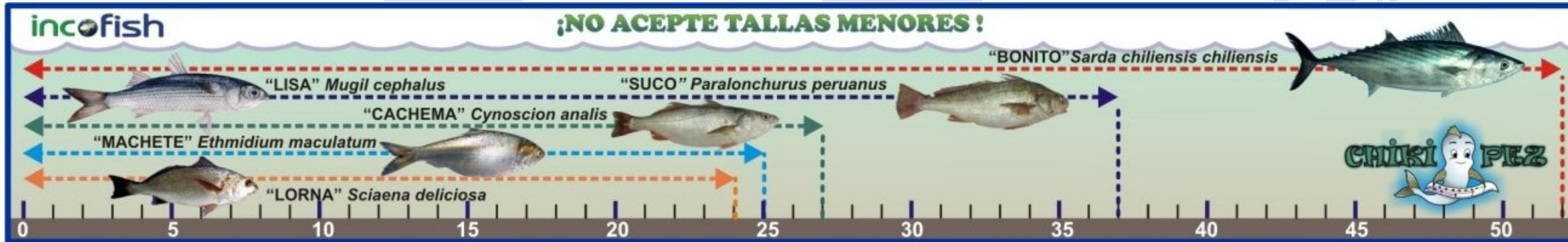
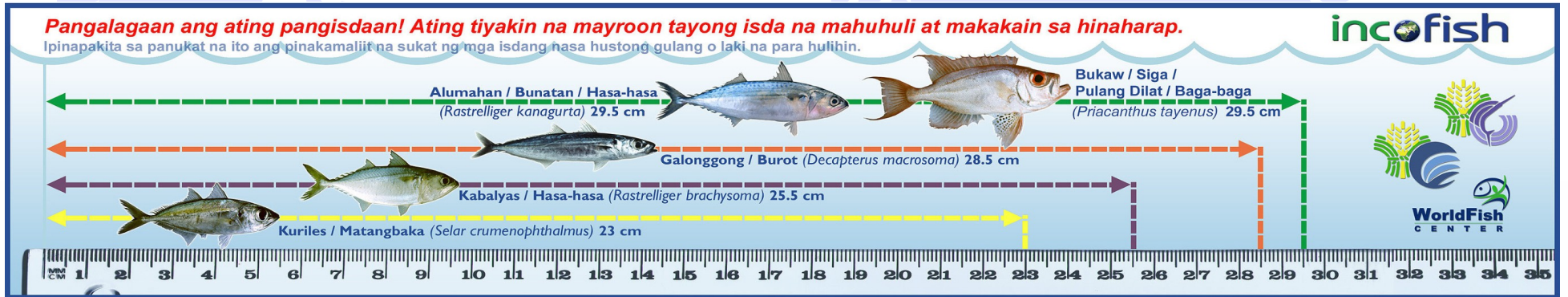
Surge of interest from aquaria is encouraging.

How to reach even more special interest and general publics?



# Fishrulers for awareness (1)

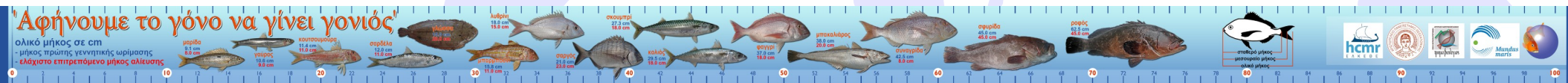
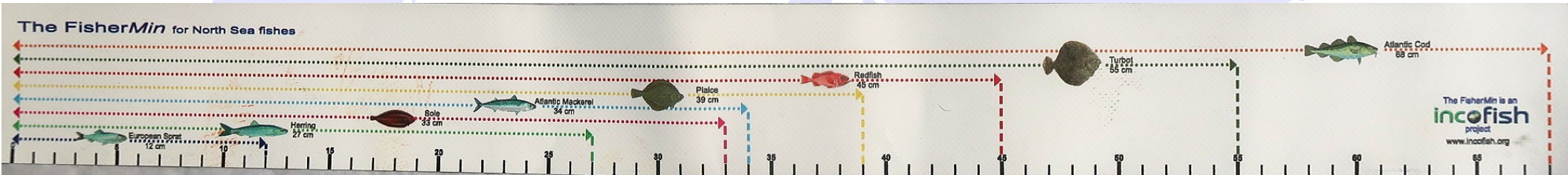
Started by Rainer Froese and FIN colleagues and further developed as of 2005 by the INCOFISH research collaboration, e.g. for the Philippines and northern Peru "Chikipez"





# Fishrulers for awareness (2)

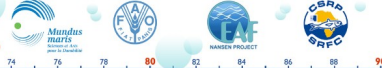
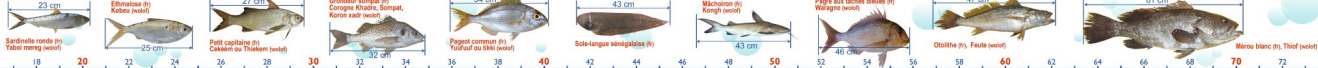
Other fish rulers followed: North Sea – by INCOFISH, then with a slick new edition by the Hamburg Consumer Protection Agency (2011), Greece (2014) and several more.



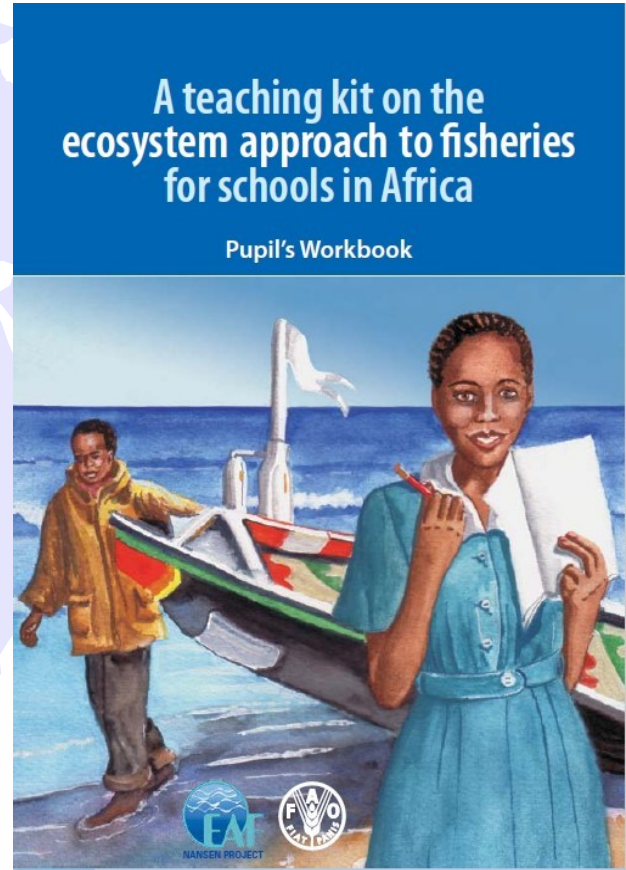


# Fishrulers for awareness (3)

**Petit poisson devient grand, si vous le laissez vivre!**  
jen bu ndaw dina maug sunu ko boyee mu dund  
Les espèces indiquées représentent les tailles auxquelles les poissons  
se sont très probablement reproduits au moins une fois



Work with schools rendering access to research results easier and engaging with local communities also attracted interest with fishers and traders in Senegal, Gambia and elsewhere (starting 2011)



Pupil's name:



# Small-Scale Fisheries Academy

The Small-Scale Fisheries Academy is a safe multi-actor platform for respectful dialogue, joint learning, co-creation of knowledge and innovation for the recovery, protection and sustainable use of marine and coastal resources and prosperous artisanal fisheries inaugurated end 2018.



Buenos Aires,



### Round sardinella

*Sardinella aurita*

#### Size (Length)

##### First Maturity



Lm 21.4,  
range 16 - 29 TL

##### Optimum Length



23.0 TL

##### Maximum Length



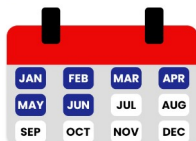
41.0 TL

#### Vulnerability<sup>Ⓞ</sup>



Moderate (37 of 100)

#### Spawning Period



#### Distribution

Atlantic Ocean: West African coast (Ref. 2849, 350)

More Info

# Going further afield

Opportunities for innovations are in the making, among others, with the **FishBase Guide App** for mobile phones with simple visual information to complement the specific physical fish rulers developed for several countries and seas.

You **type in your country and a common name**. The App gives you a picture of the fish, key length measurements and a visual indication of the vulnerability of the species. FishBase contains 324,000 common names in >300 languages for more than 200 countries.

Vulnerability is based on Cheung, W.W.L., T.J. Pitcher and D. Pauly, 2005. A fuzzy logic expert system to estimate intrinsic extinction vulnerabilities of marine fishes to fishing. *Biol. Conserv.*, 124:97-111.

01 - 25 = "Very low"

26 - 35 = "low"

36 - 45 = "Moderate"

46 - 55 = "Moderately high"

56 - 100 = "High"



### Bonga shad

*Ethmalosa fimbriata*

#### Size (Length)

##### First Maturity



Lm 17.0,  
range 12 - 22 TL

##### Optimum Length



19.0 TL

##### Maximum Length



46.0 TL

#### Vulnerability<sup>Ⓞ</sup>



Very low (21 of 100)

#### Spawning Period



#### Distribution

Atlantic Ocean: Eastern central Atlantic Ocean, fr

[More Info](#)



### Catfish

*Synodontis membranaceus*

#### Size (Length)

##### First Maturity



Lm 25.2,  
range 19 - 34 SL

##### Optimum Length



27.8.0 SL

##### Maximum Length



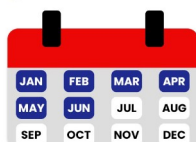
46.0 SL

#### Vulnerability<sup>Ⓞ</sup>



Low (27 of 100)

#### Spawning Period



#### Distribution

Africa: Nile (Ref. 3202), Senegal, Gambia, Volta,

[More Info](#)



### White grouper

*Epinephelus aeneus*

#### Size (Length)

##### First Maturity



Lm 52.2,  
range 39 - 70 TL

##### Optimum Length



65.7 TL

##### Maximum Length



120.0 TL

#### Vulnerability<sup>Ⓞ</sup>



Moderate to High (52 of 100)

#### Spawning Period



#### Distribution

Eastern Atlantic: along the west coast of Africa

[More Info](#)



### Shortfin mako

*Isurus oxyrinchus*

#### Size (Length)

##### First Maturity



Lm 126.6,  
range 94 - 169 FL

##### Optimum Length



180.4 FL

##### Maximum Length



445.0 TL

#### Vulnerability<sup>Ⓞ</sup>



Very High (83 of 100)

#### Spawning Period



#### Distribution

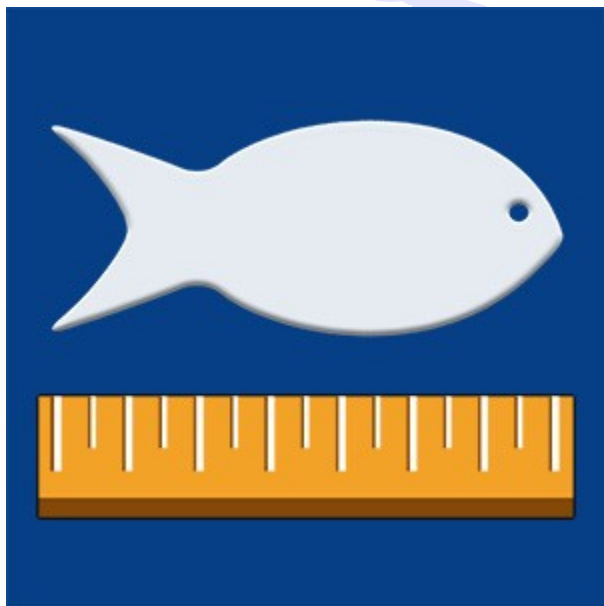
Cosmopolitan in temperate and tropical seas (Ref.

[More Info](#)





# The FishBase Guide App



The FishBase Guide is developed in a collaboration between Mundus maris asbl, the Sea Around Us Initiative, Fair Fish International, and Quantitative Aquatics hosting and developing the global information system FishBase ([www.fishbase.org](http://www.fishbase.org)).

The FishBase Guide is an Android app currently in testing phase and expected to be available for the public at the Google Play Store by mid-September -

**<https://play.google.com/store>**

Check it out when it's out shortly!



**Thanks for your attention**

More Info:

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