



*Mundus
maris*

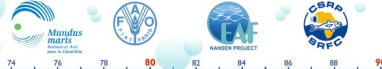
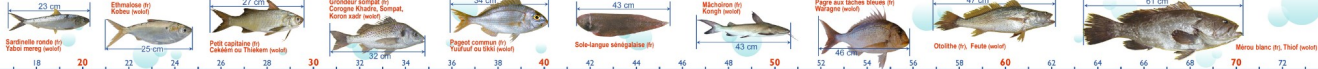
The Small-Scale Fisheries Academy as a source of innovation and operational support to the SSF Guidelines

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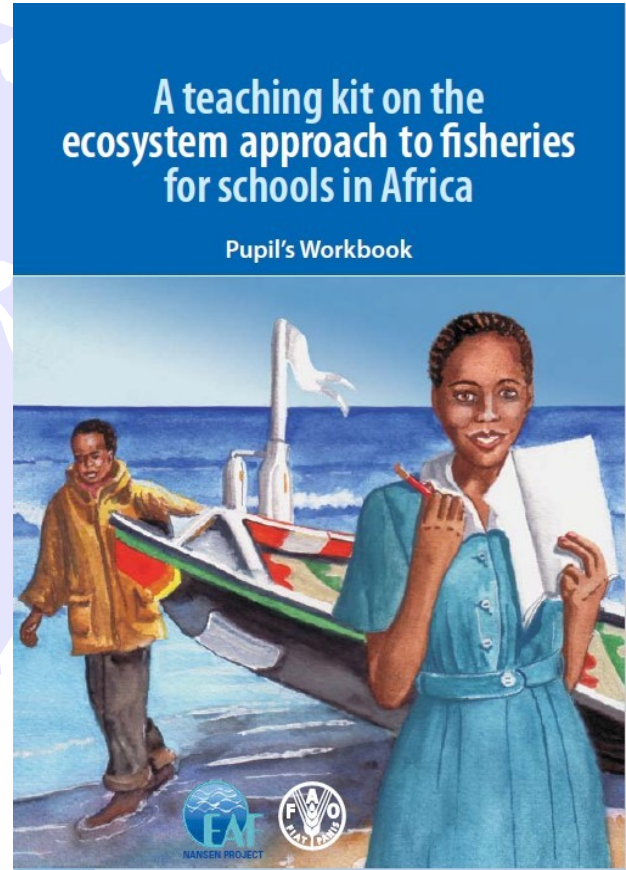


What led up to the academy (1)

Petit poisson devient grand, si vous le laissez vivre!
jen bu ndow dina maog sunu ko boyee mu dand
Les espèces indigènes 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 artists and local communities attracting interest with fishers



Pupil's name:



What led up to the academy (2)

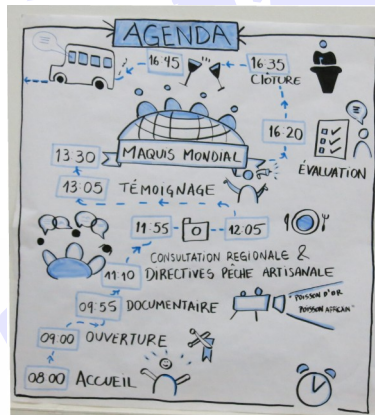
Blending research, scientific results with various forms of culturally adapted expressions, arts and the voices of local artisanal fishing communities in search of ocean protection, ocean literacy and prosperous coastal communities.





Small-Scale Fisheries Academy (1)

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.

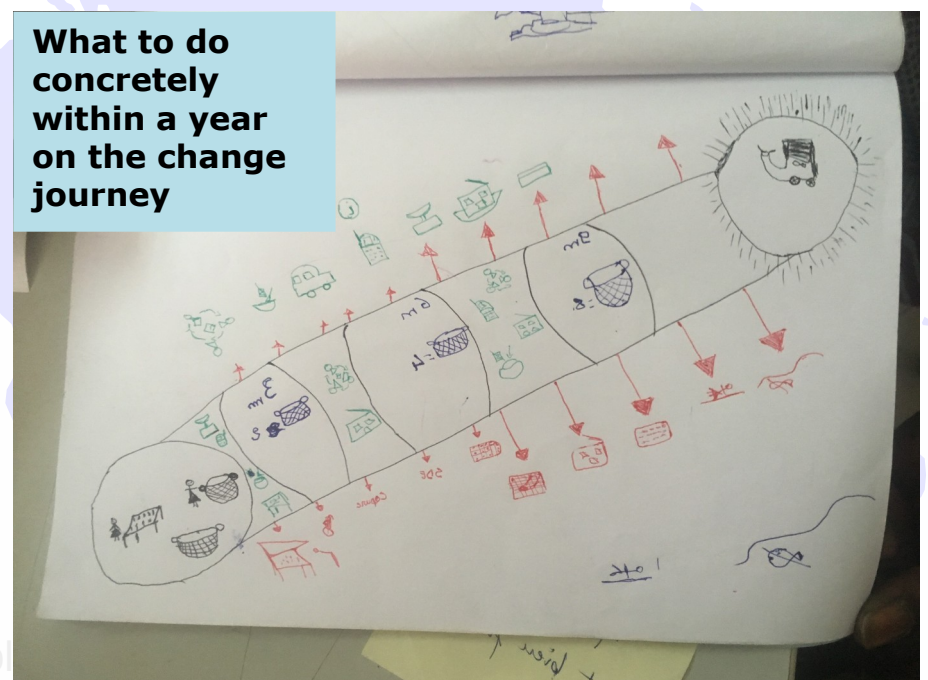
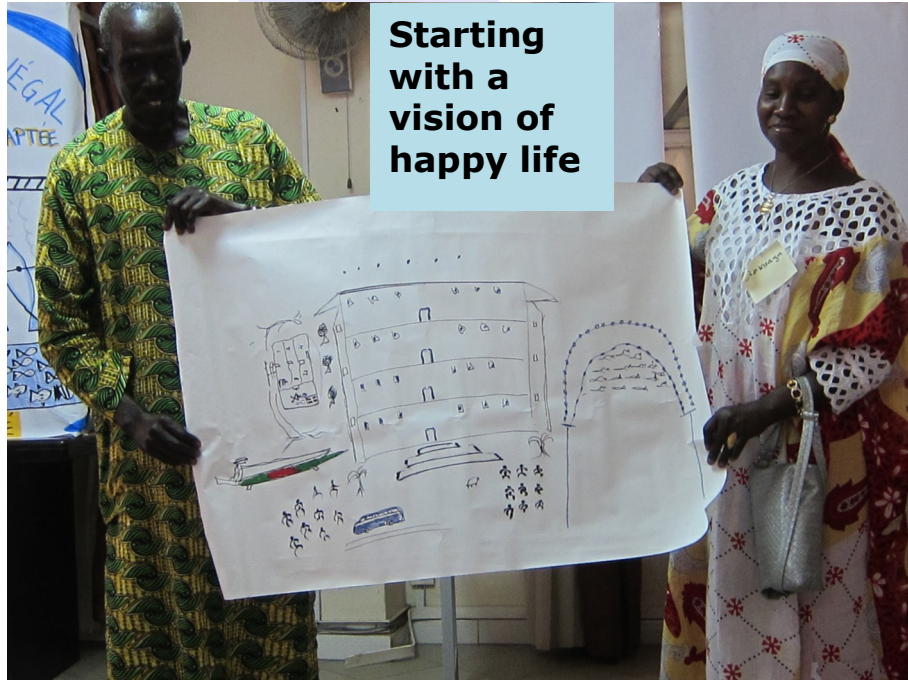


Buenos Aires,



Small-Scale Fisheries Academy (2)

Testing inclusive and active adult education is based on the conception of an ecology of knowledges proposed by Boaventura de Sousa Santos and organised through a social behaviour change communication strategy. The concept borrows from Paulo Freire's vision of dialogue and the so-called "Gender Action Learning System" (GALS) developed by Linda Mayoux. It is brought to life by graphic facilitation led by Maria Fernanda Arraes Treffner.



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Small-Scale Fisheries Academy (3)



Alternating explanations with individual and group work, checking with family and neighbours and reporting back to other academy learners, dialoguing with experts...



Small-Scale Fisheries Academy (4)

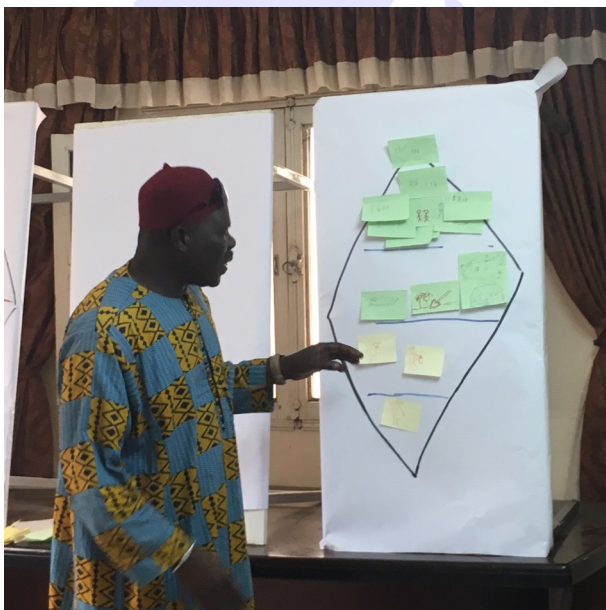


<https://www.youtube.com/watch?v=DbcjY5PDUuc>

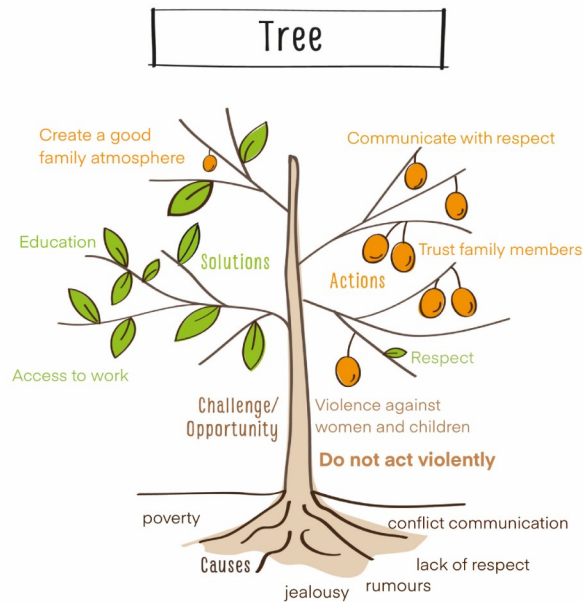


Small-Scale Fisheries Academy (5)

Respectful dialogue using such graphical teaching and learning aids allows to discuss even sensitive topics, formerly considered taboo, such as violence in the family and gender equity.



Diamond of good and not so good features, men



Diamond of good and not so good features, women



Small-Scale Fisheries Academy (6)

Opportunities for collaboration and further innovations concern e.g. 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.

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"

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[Ⓞ]

Moderate (37 of 100)

Spawning Period

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

Distribution

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

[More Info](#)



Bonga shad

Ethmalosa fimbriata

Size (Length)

First Maturity



Lm 17.0,
range 12 - 22 TL

Optimum Length



19.0 TL

Maximum Length



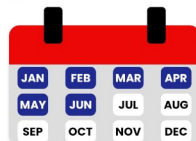
46.0 TL

Vulnerability[Ⓞ]



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[Ⓞ]



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



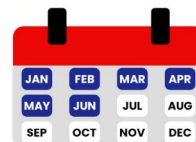
120.0 TL

Vulnerability[Ⓞ]



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[Ⓞ]



Very High (83 of 100)

Spawning Period



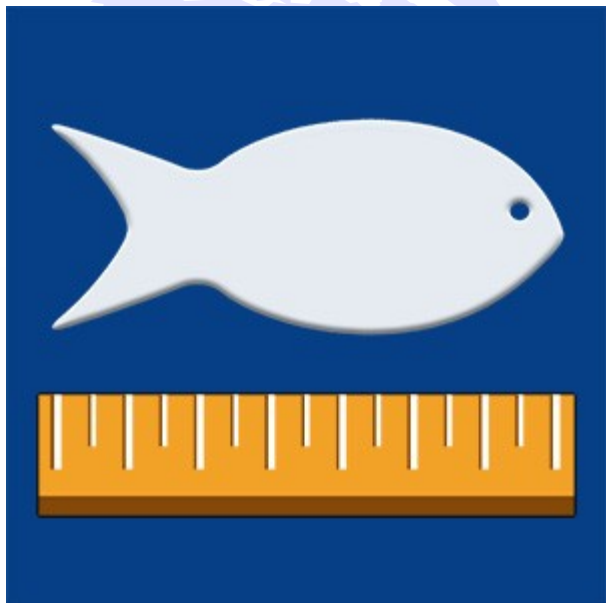
Distribution

Cosmopolitan in temperate and tropical seas (Ref.

[More Info](#)



Small-Scale Fisheries Academy (8)



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).

The FishBase Guide is an Android app available for the public at the Google Play Store by mid-September - <https://play.google.com/store>

Check it out!

If your local fish names are not yet all in among the 324,000 common names in FishBase, let's collaborate to make them available so you can take full advantage of the tool.



Thanks for your attention

More Info:

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