



*Mundus  
maris*

# The Small-Scale Fisheries Academy – Strengthening the capacities of women and men for collective action

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# Improving livelihoods



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



# What is it?

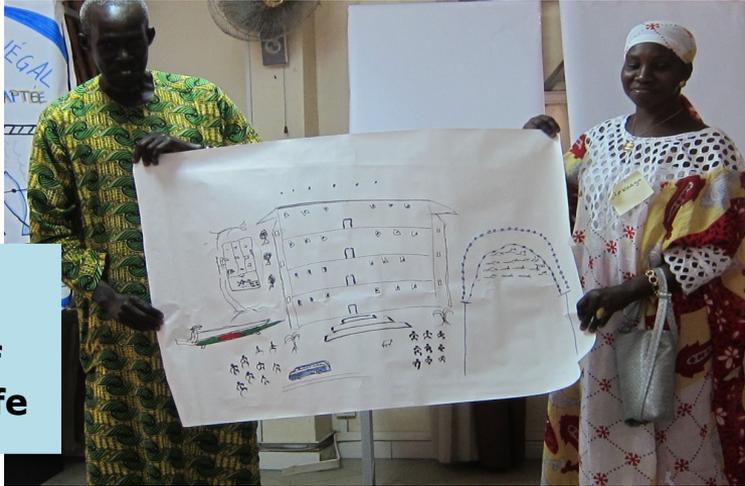
The Small-Scale Fisheries Academy is a safe multi-actor platform for respectful dialogue, joint learning, co-creation of knowledge and innovation for the recovery, protection and sustainable use of marine and coastal resources and prosperous artisanal fisheries.





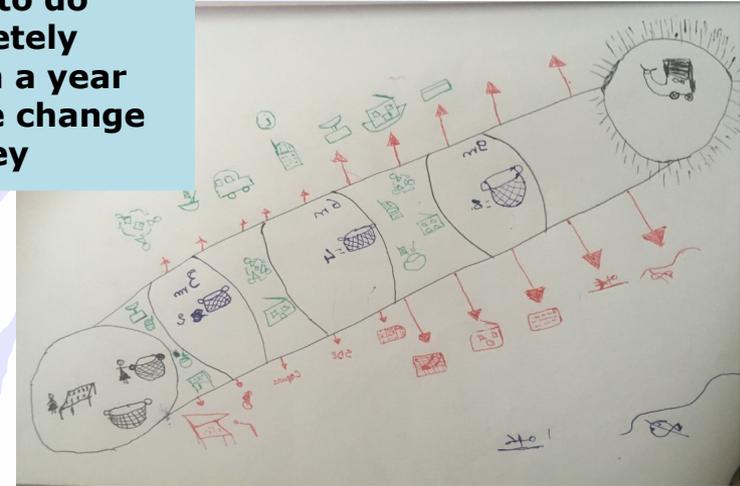
# How does it work?

The Small-Scale Fisheries works with a learning by doing approach, testing inclusive and active adult education 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 visual facilitation led by Maria Fernanda Arraes Treffner.



**Starting with a vision of happy life**

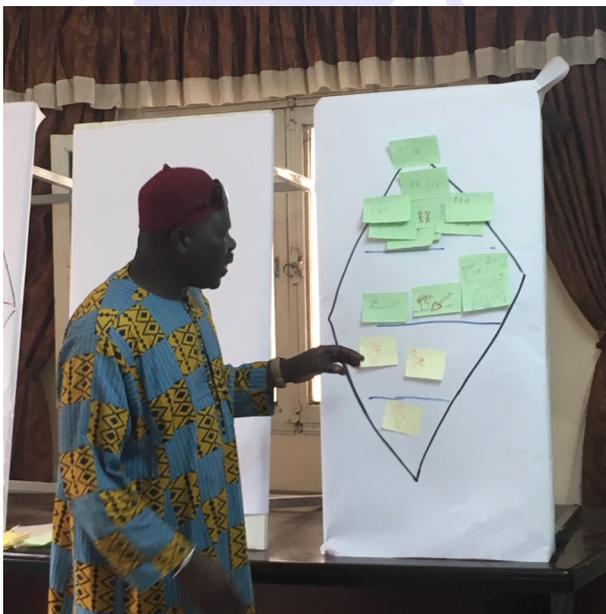
**What to do concretely within a year on the change journey**



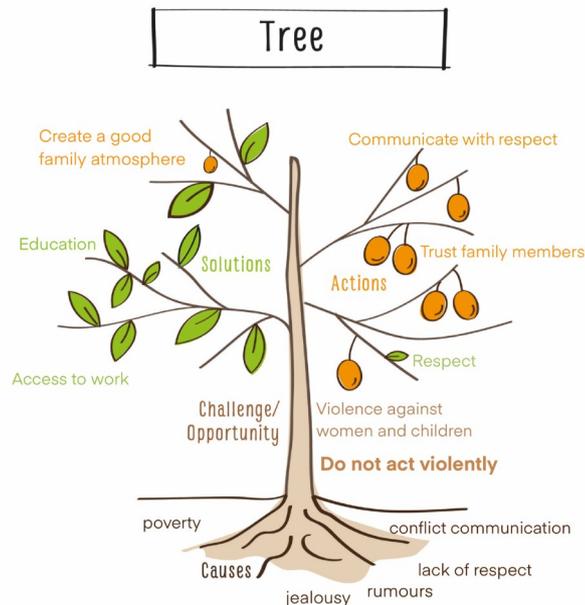


# Towards gender equity

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





# Resilience and recovery

Times of crisis like the covid pandemic coming on top of existing difficulties such as overfishing exacerbated by climate change, growing space competition with the tourism and fossil fuel extraction industries provoke new hardships but also stimulate innovation and diversification.





**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](#)

# FishBase Guide App innovation

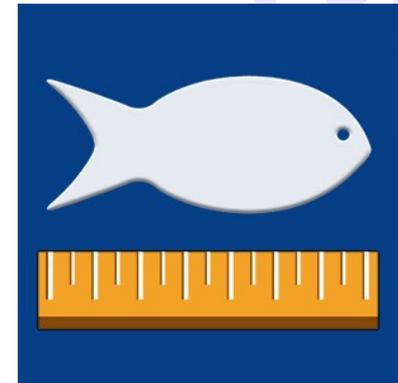
Opportunities for collaboration and further innovations concern e.g. the **FishBase Guide App** for mobile phones with simple visual information to complement the specific physical fish rulers developed for several countries and seas. It is available free of charge at the Google Play Store for Android systems:

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

The App gives you a picture of the fish, key length measurements and a visual indication of the vulnerability of the species by giving a country and common name.

Vulnerability is based on Cheung, W.W.L., T.J. Pitcher & 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"





# Selected references

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- Mundus maris did field work to develop teaching aids on the Ecosystem Approach to Fisheries for FAO's Nansen Project from 2011 to 2013. All materials are available here: <https://www.mundusmaris.org/index.php/en/projects/proj2011/706-fao>
- Mundus maris collaborates in the Too Big To Ignore Global Research Network on Small-Scale Fisheries as well as being a partner in the V2V Research Platform (From Vulnerability to Viability - Africa-Asia)
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**Thanks for your attention**

**Join us and let's continue together!**

More Info:

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