



*Mundus
maris*

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

Cornelia E Nauen, Mundus maris asbl, Belgium

Maria Fernanda Arraes Treffner, Linkrural, Vietnam

Aliou Sall, Mundus maris asbl, Senegal

Stella Williams, Mundus maris asbl, Nigeria

Kindly presented by Simona T. Boschetti, Mundus maris asbl, Spain



Improving livelihoods



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



What is it?

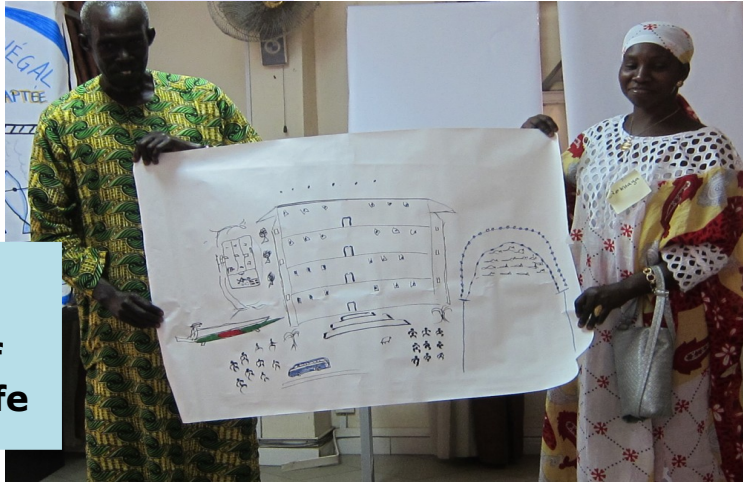
The Small-Scale Fisheries Academy is a safe multi-actor platform for respectful dialogue, joint learning, co-creation of knowledge and innovation for the recovery, protection and sustainable use of marine and coastal resources and prosperous artisanal fisheries.





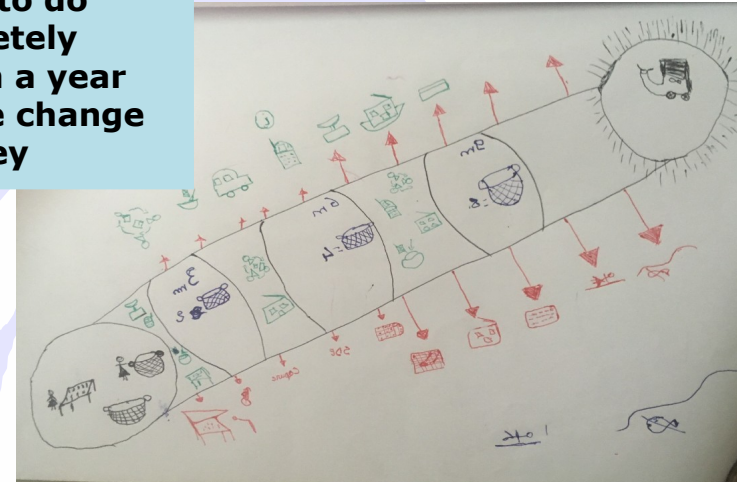
How does it work?

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

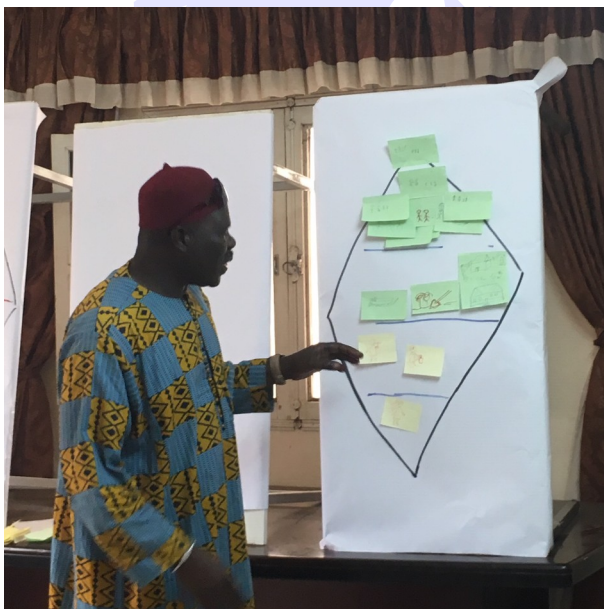
What to do concretely within a year on the change journey



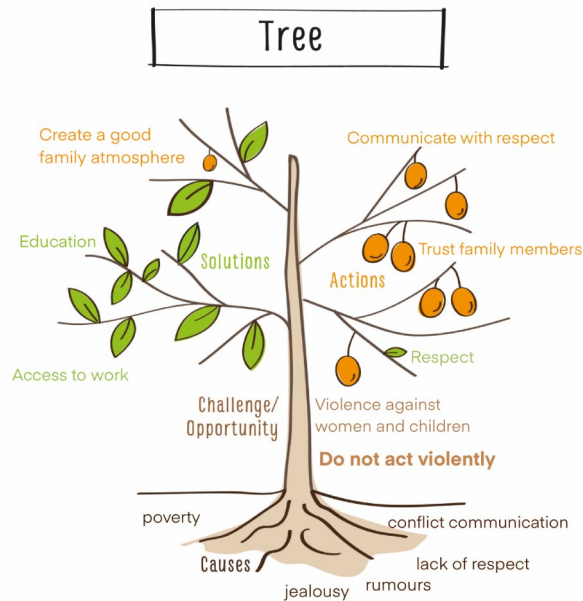


Towards gender equity

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

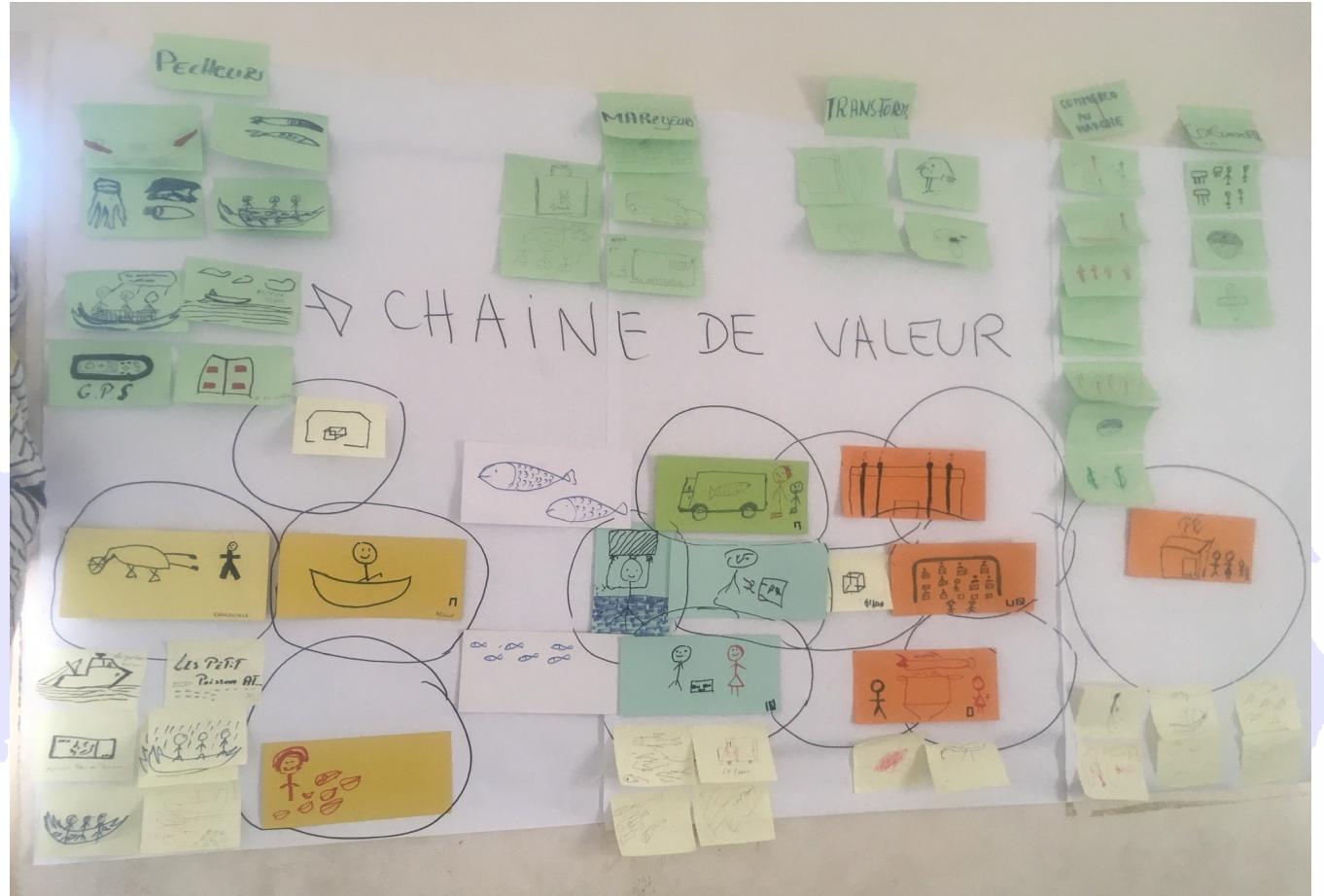


Diamond of good and not so good features, women



Value chain analysis

Identifying opportunities (green) and challenges (yellow) within the existing value chains helped to find possibilities for improvements acceptable to all concerned.





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
Im 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](#)

FishBase Guide App innovation

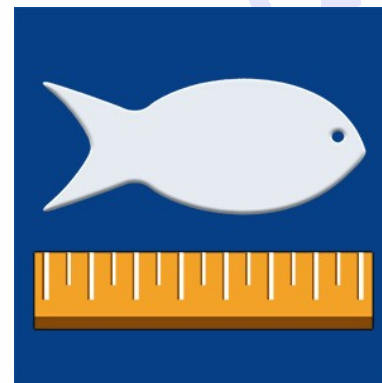
Opportunities for collaboration and further innovations concern e.g. the **FishBase Guide App** for mobile phones with simple visual information to complement the specific physical fish rulers developed for several countries and seas. It is available free of charge at the Google Play Store for Android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

- Arraes Treffner, M.F., 2019. Académie de la pêche artisanale au Sénégal. Design de l'initiative pilote. Système d'apprentissage-action focalisé sur les aspects du genre pour une pêche artisanale durable. Rapport du projet *Mundus maris* Académie de la pêche artisanale, 26p.
<https://www.mundusmaris.org/index.php/en/projects/proj2019/2255-1pilot-en>
- 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.
- 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)
- Nauen, C.E., 2006. Implementing the WSSD decision of restoring marine ecosystems by 2015 – scientific information support in the public domain. *Marine Policy*, 30:455-461.
- Nauen, C.E. and U. Hillbrand, 2014. Underpinning Conflict Prevention by International Cooperation. Chapter 12 In M. Galluccio (ed.). Handbook of international negotiation. Boston, MA, Springer, DOI: 10.1007/978-3-319-10687-8_12
- Nauen, C.E. and M.F. Arraes Treffner, 2021. Strengthening capabilities of individuals and communities through a Small-Scale Fisheries Academy. Chapter 44 In S. Jentoft, R. Chuenpagdee, A. Said and M. Isaacs (eds). Blue Justice: Small-Scale Fisheries in a Sustainable Ocean Economy. New York, London Springer.
- Sall, A., 2018. Interview with Ms Khady Sarr at the artisanal port of Hann.
<https://www.mundusmaris.org/index.php/en/encounters/people/2012-khadysarr-en>.
- Sall, A. and C.E. Nauen, 2017. Supporting the small-scale fisheries guidelines implementation in Senegal: Alternatives to top-down research. In Jentoft S et al. (eds). The Small-Scale Fisheries Guidelines. Global Implementation. MARE Publ. Ser. 14. DOI 10.1007/978-3-319-55074-9_29 pp. 609-634.
- Santos, Boaventura de Sousa. [Beyond Abyssal Thinking: From Global Lines to Ecologies of Knowledges](#). Review, XXX. 2007;1:45-89.
- Williams, S.B., A.M. Hochet-Kibongui & C.E. Nauen (eds), 2005. Gender, fisheries and aquaculture: Social capital and knowledge for the transition towards sustainable use of aquatic ecosystems. Brussels, *ACP-EU Fisheries Research Report*, (16):128p.



Thanks for your attention

Join us and let's continue together!

More Info:

www.mundusmaris.org

info@mundusmaris.org

