

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

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Small-Scale Fisheries Academy

Improving livelihood



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



What is it?

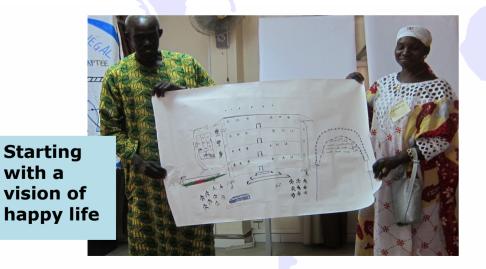
The Small-Scale **Fisheries Academy is** a safe multi-actor platform for respectful dialogue, joint learning, cocreation of knowledge and innovation for the recovery, protection and sustainable use of marine and coastal resources and prosperous artisanal fisheries.

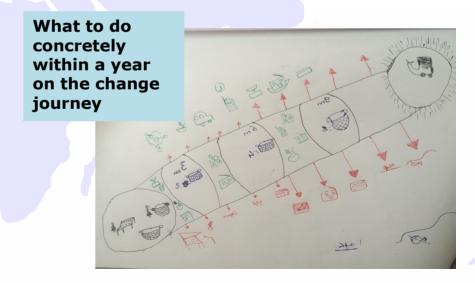




How does it work?

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.

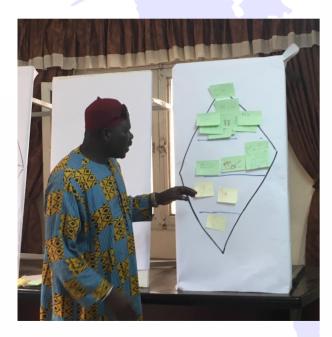


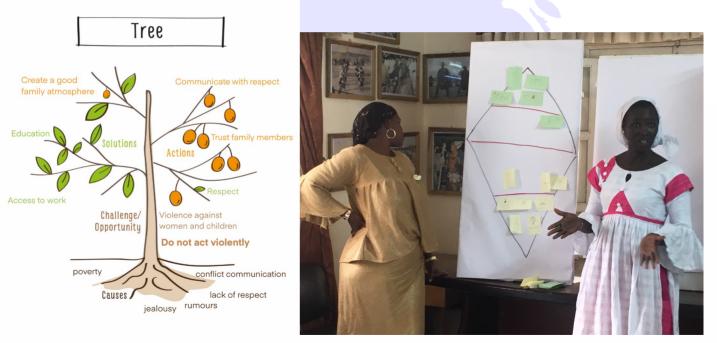




Towards gender equity

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.





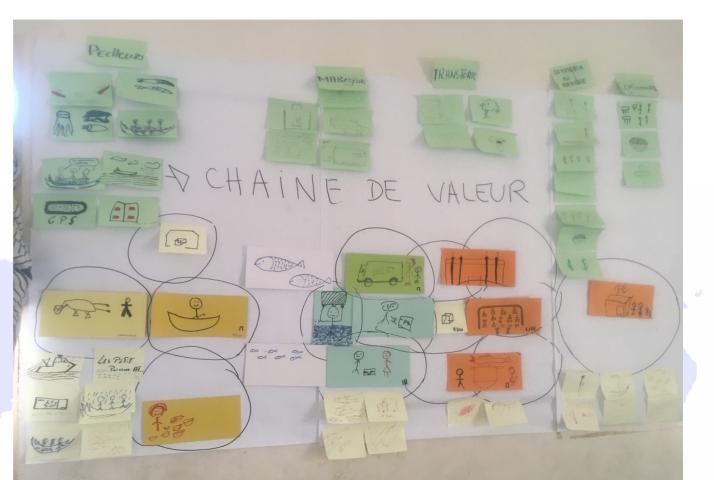
Diamond of good and not so good features, men (left) and women (right).



Value chain analysis

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

Fine-grained analysis helps to find locally adapted solutions reducing friction between different actors and to promote trust and arrangements of mutual benefit.





It's more than about fishing

Women fish sellers in Hann have been evicted from their work spaces without compensation to make space for an industrial refrigeration complex. Their new precarious sales space provides little protection against the sun, hardly any sanitation facilities – illness is frequent.



Need to support education and a clean beach



Recurrent demands for school access for children have been confirmed in a recent study together with persistent needs for a strong reduction of pollution and increased security.



Resilience and recovering

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, industrial plants and fossil fuel extraction industries not to mention lacking sanitation provoke new hardships but also stimulate innovation and diversification.



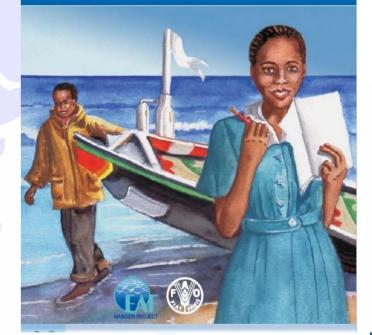


Catering for additional needs

Strengthening the basis of available evidence together with the men and women in artisanal fisheries opens additional means to enrich and innovate the participative and inclusive adult education approaches tested and applied in the Academy.

We can use e.g. some materials on the ecosystem approach to fisheries developed originally for schools in West Africa for FAO's Nansen Programme, but adapt the methods to meet the needs of experienced adults who have an inner motivation to learn. A teaching kit on the ecosystem approach to fisheries for schools in Africa

Pupil's Workbook





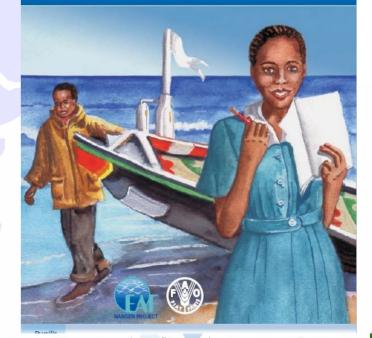
Five key principles of EAS

Five key messages of the EAF approach are considered central for educational messages and adaptable for adult education situations:

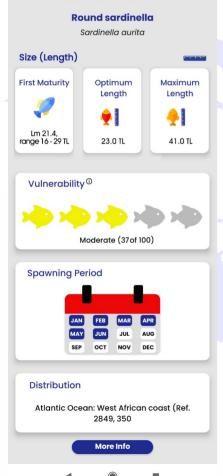
- maintain ecosystem integrity (no fish is an island)
- precautionary approach to fisheries and other use of marine and coastal ecosystems and respecting the rules
- broad stakeholder participation
- promoting sectoral integration and safeguarding livelihoods
- investing in research and knowledge and sharing

A teaching kit on the ecosystem approach to fisheries for schools in Africa

Pupil's Workbook







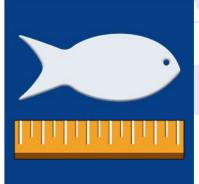
Innovation welcome

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

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. <u>https://www.mundusmaris.org/index.php/en/projects/proj2019/2255-1pilot-en</u>

Froese, R., A. Stern-Pirlot, H. Winker and D. Gascuel, 2008. Size matters: How single-species management can contribute to ecosystem-based fisheries management. *Fisheries Research*, 92:231-241. doi:10.1016/j.fishres.2008.01.005

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: <u>https://www.mundusmaris.org/index.php/en/projects/proj2011/706-fao</u>

Mundus maris supports IYAFA, 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) <u>https://www.v2vglobalpartnership.org/</u>

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. NY, London, Springer.

Sall, A., 2015. Grand succès ! Les premiers 85 élèves peuvent compléter l'école dans la ville côtière de Hann au Sénégal. https://www.mundusmaris.org/index.php/fr/projets/proj2015/399-rescolarisation

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!

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