

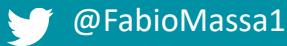


CWP

Towards an updated international aquaculture farming systems classification for use in aquaculture statistics

Agenda item 5.6.3

Fabio Massa, Davide Fezzardi and Fabrizio Caruso

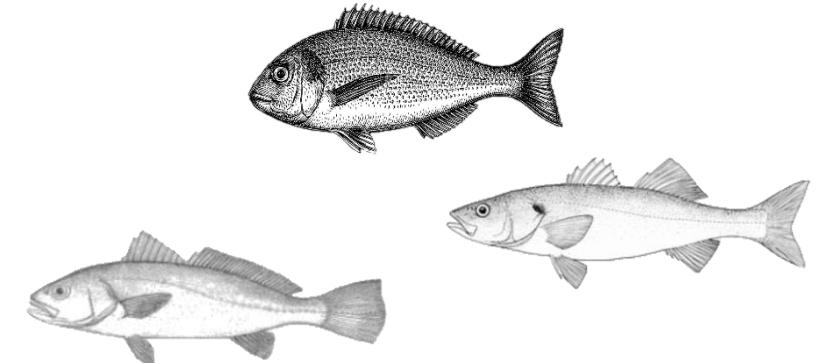


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CWP

CWP – Preliminary categorization of farming systems

- A farming system in aquaculture is intended as any form of **structure or device** that is utilized to **contain the cultured organisms, irrespective of the stage of its life cycle**, in a **given space**
- Very **diverse containments** are used in aquaculture operations depending on, among other things:
 - Farmed species
 - Stage of life cycle
 - Environment (freshwater, brackish, marine)
 - Local traditions
 - Available material, etc.
- Therefore, **understanding** the farming systems is a crucial step for the successful **data gathering** and monitoring of aquaculture

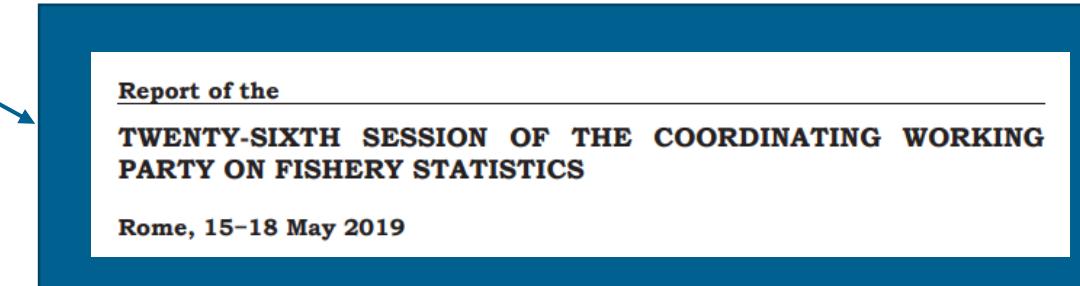
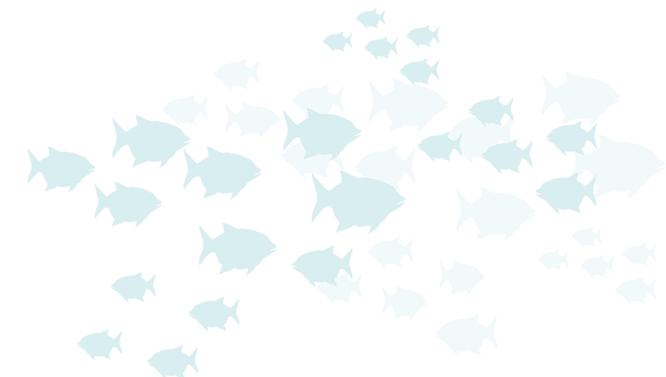


CWP – Preliminary categorization of farming systems

- At CWP-26, a **preliminary structured list of aquaculture farming systems** was presented as baseline information and reference to update the international aquaculture farming systems classification in use since the 1980s.
- The work included :
 - **Review of farming systems classification** in current use
 - **Compilation** of an exhaustive list of **farming systems** in use
 - **Criteria** for structuring a farming systems **classification with hierarchy**
 - **Zero draft** update of farming systems **classifications**
- The list is structured with hierarchy levels under 12 categories based on a set of criteria and considerations

CWP – Preliminary categorization of farming systems

1. Earthen ponds
2. Tanks and raceways
3. Man-made and semi man-made water bodies
4. Lakes, **coastal** lagoons and other natural water bodies
5. Cages
6. Pens and enclosures
7. RAS (**recirculation** aquaculture systems)
8. Rice-Fish culture and integration with other aquatic crop plantation
9. Culture methods for shelled molluscs
10. Culture methods for seaweeds
11. Culture methods for microalgae
12. Other culture methods



Description + Exhaustive list of examples
+ graphics in the draft HB (pages 43-54)



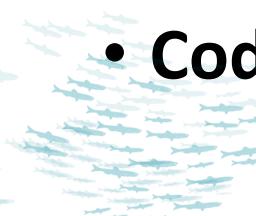
The way forward

The detailed list is available as Appendix 6, Annex 2, of the CWP-26 report available at:

https://www.fao.org/fileadmin/user_upload/cwp/CWP_2021/Inf.8.pdf

Work to be carried out includes:

- **Further analysis of the preliminary list through a consultative process** as part of the CWP ad-hoc task group on aquaculture and to **further enrich**, if needed, the current exhaustive **list** of farming systems and to **consolidate the categorization** for an updated aquaculture farming systems classification
- **Coding of the sub-categories** (e.g. 40 for Earthen Ponds, and > 70 for all)





Thank you • Merci
Благодарю • ¡Muchas gracias!
謝謝 • شکرا



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