

Best Practices in Aquaculture - use cases across Production Systems and Regional approaches.

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OPS Seafood

Edvard Pedersen
OPS Seafood
Member of steering group



A bimodal concept for Public-Private Sector Development and digital transformation applied in the Norwegian seafood sector.





Coopetition, pace and innovation

Diversity, local solutions, concepts, software, apps, labs, artificial intelligence, etc

Sector functions

Stability, security, predictability

Sector-specific standards, information management, data ownership management, data access control, common sector solutions

Public functions

Stability, security, predictability

Public standards, open data, public data directory, public API directory, public common solutions





PerformFish benchmarking system

Giovanna Marino
ISPRA
Sustainable Aquaculture Area

PerformFISH KPI system: a MMFF best practic





Extensive Industry Consultation

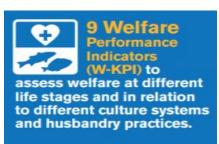


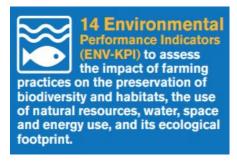
Informative & smart KPIs

- Build on farm data collected in routine cycles
- Linked to sustainability and farm efficiency (growth, health, feed, welfare, environment...)
- Simple to measure easy to understand

Four overarching KPI categories









- A unique data collection system
- Glossary, Analytics
- SOP Manual of Users
- 10 Training courses

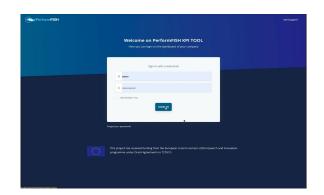


First benchmarking system designed, shared and adopted by the aquaculture industry, Producer Associations to analyse in an anonymous way –efficiency, performances and sustainability of aquaculture practices

PerformFISH KPI system – v. beta (SinaNET)











KPIs for Sector aquaculture performance and sustainable farming

Data source 20 companies 28 farming sites

KPI Database

>400 batches >60.000 records Web KPI-tool

Welfare tool

LCA tool

KPI Sustainability Report – Public tool to build market reputation and communicate to consumers, to increase transparency, to report on environmental sustainability, animal welfare and resource of efficiencies of marine fish farming and carbon footprint of aquaculture product (vs other systems)



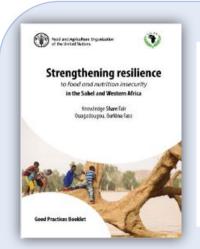


Best practices at the General Fisheries Commission for the Mediterranean (GFCM) of the FAO

Houssam Hamza & Linda Fourdain FAO

Aquaculture Officer & AZA Establishment, GIS application and statistical analysis specialist

Knowledge and good practices



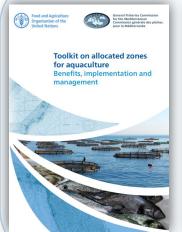
sharing

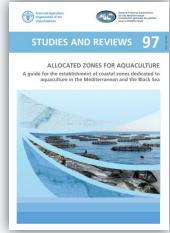
What is a good practice? A good practice is a successful experience that has been tested and replicated in different contexts and can therefore be recommended as a model. It deserves to be shared, so that a great number of people can adapt and adopt it.

Good practices Methodology



KOPE - knowledge sharing platform on resilience





AZA, EMP, GIS, carrying capacity



Aquaculture Demonstrative Centre ADC



Three main objectives:

- Research and develop aquaculture techniques and technologies
- Showcase best practices in aquaculture
- Train specialists from local and national administrations, academia and the private sector





AQUAPEF Implementation of Product Environmental Footprint pilot in aquaculture product

Saioa Ramos

AZTI

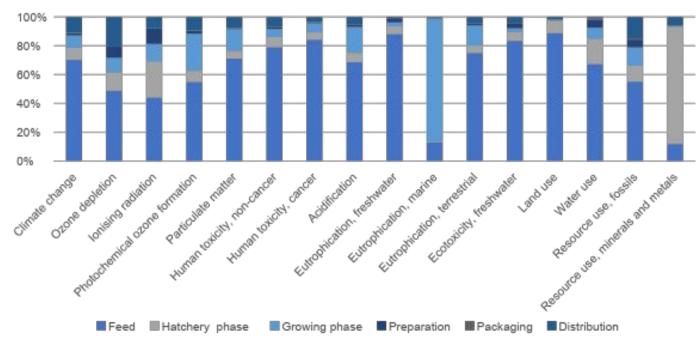
Researcher, Efficient and Sustainable Process Dept.







AQUAPEF TOOL: easy-to-use tool for the calculation of the PEF



EXPECTED IMPACTS

- Demo in 3 different farms and replicated in 8 other aquaculture sector along the Project.
- Tool ready to be used by Mediterranean Seabass and Seabream farms (± 600 farms).
- Commercialization: reach > half of the farms 5 years after the end of the project.
- Transfer of the methodology to other European aquaculture systems (Salmon, sole, etc.).