

MareFrame



Scientific Conference “Advances in Ecosystem-based Fisheries Management”

14th December 2017
Brussels, Belgium



This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no. 613571

Evaluating MareFrame decision support tools in their ability to support implementation of EBFM in the EU

***U. Laksá^a, P. Ramírez-Monsalve^b, K.N. Nielsen^c, P. Sør Dahl^d, J. Arias^a,
M. Ballesteros^{e f}, O. Gregersen^a***

^a Syntesa, Gøta, Faroe Islands

^b Innovative Fisheries Management (IFM) – An Aalborg University Research Center, Aalborg, Denmark.

^c The Arctic University of Norway, Tromsø, Norway

^d NOFIMA, Norway

^e Fisheries Socioeconomic Department, Centro Tecnológico del Mar-Fundación CETMAR, Vigo, Spain.

^f Campus do Mar, International Campus of Excellence, Vigo, Spain



MareFrame Decision Support Framework

The MareFrame Decision Support Framework is a pragmatic planning process Approach to Fisheries Management. Please select from the case studies below and decision support tools.



Scenario Visualisation Tool

Multi-criteria Analysis (MCA)

Bayesian Belief Nets (BBN)

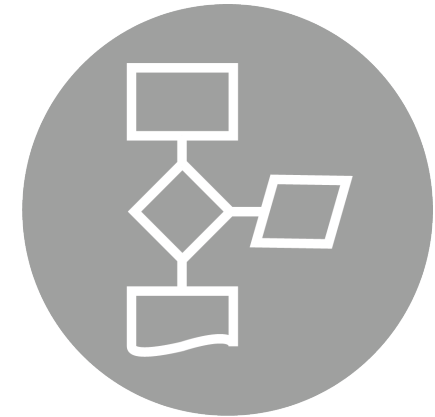
South Western Waters Interface

T-ONS model

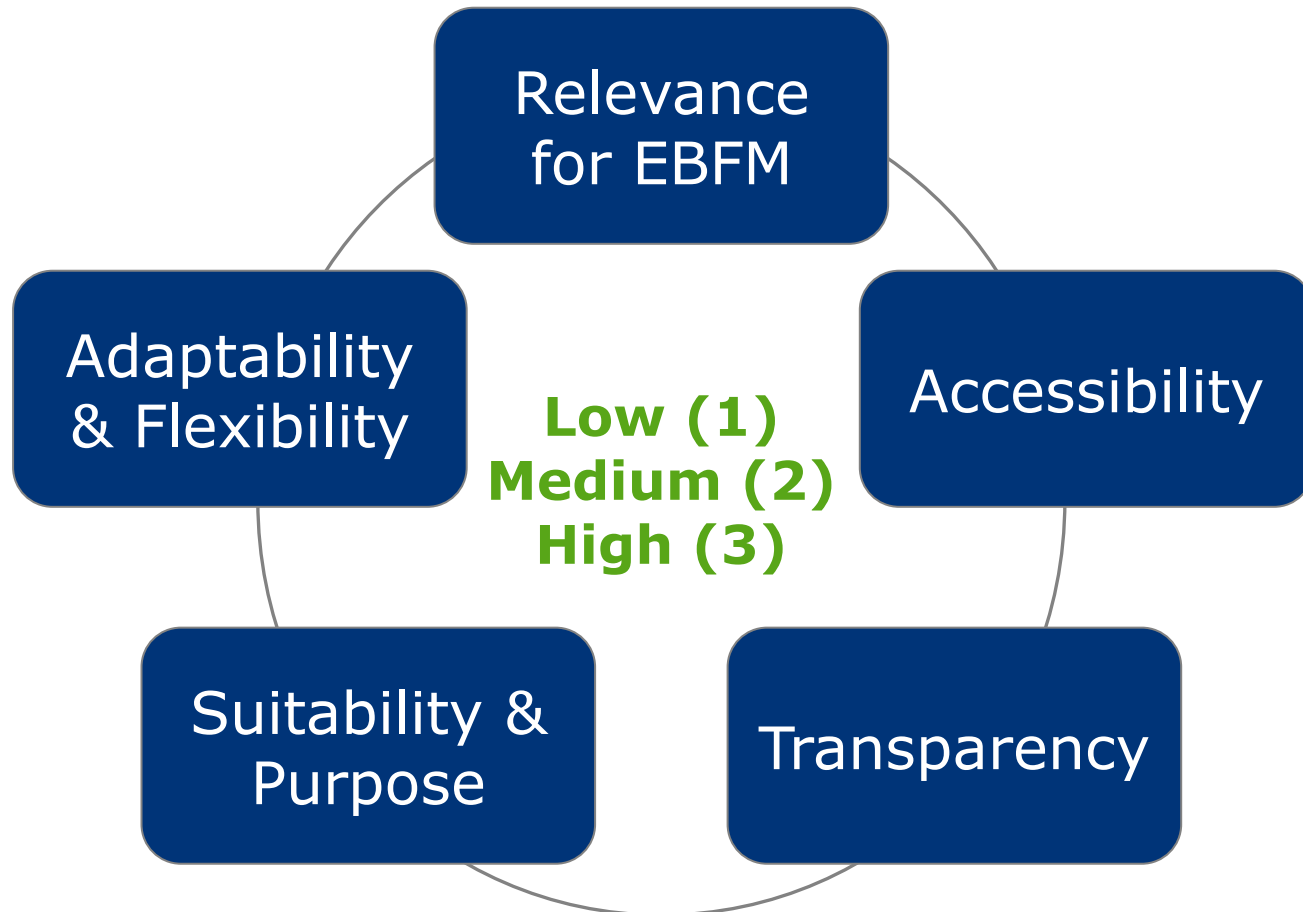


Evaluation Framework

- ❖ Fundamental principles of EBFM
 - ❖ Balancing diverse objectives
 - ❖ Consider human and social dimension
 - ❖ Long term consequences
- ❖ Management strategy evaluation
 - ❖ The process of identification and simulation of management strategies
 - ❖ Presentation of results and selection of Management strategy
- ❖ Frameworks in previously funded EU projects
 - ❖ Meece Framework



Evaluation Criteria



The DSTs have different objectives
DSTs evaluated separately rather than
as a toolbox



All the DSTs can contribute to the implementation of EBFM

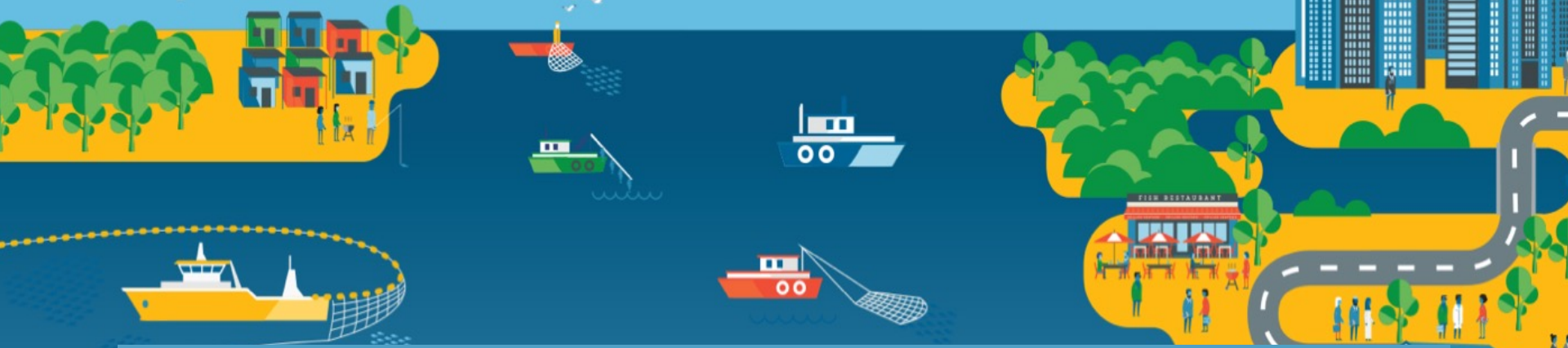


- ❖ address EBFM-related concerns
- ❖ facilitate a structured scoping phase with stakeholders
- ❖ succeed in linking complex ecosystem models to context-defined user needs.
- ❖ Allow for an exploration of trade-offs, alternatives and their likely consequences



MareFrame

Co-creating Ecosystem-Based
Fisheries Management Solutions



Thanks to Margarita Rincón Hidalgo and Javier Ruiz for their assistance in the preparation of the paper. We would also like to express our gratitude to Bo Lærke, Andre Tapadinhas, Mika Rahikainen, John G. Pope, Valerio Bartolino and Alan Baudron for providing additional information and comments on the evaluations



This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no.613571.