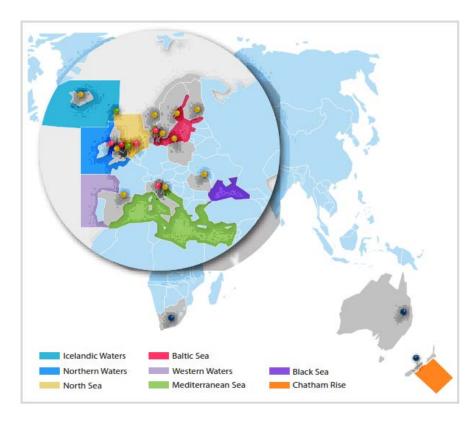


CO-CREATING ECOSYSTEM BASED FISHERIES MANAGEMENT SOLUTIONS



AORAC-SA FAO workshop 20-22 January 2016 Copenhagen Denmark

Presented by Ólavur Gregersen Syntesa Partners & Associates, WP7 Leader





AT A GLANCE







€ 7.7 million total budget



Coordinator Dr. Anna Kristin Danielsdottir Matís, Iceland



Scientific Manager Dr. Gunnar Stefansson University of Iceland



Consiglio Nazionale delle Ricerche

INNOVATIVE FISHERIES MANAGEMENT





Baltic Nest

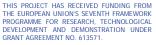


NRC (Europe) Ltd FUNDING OUR SCIENCE HABIT

Shuttle Thread



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The newly reformed **Common Fisheries Policy** DEC psacesta ANCENTONBEGA ADE at the heart of decision making **But** "Science has to be policy packaged"

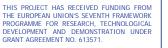


The vision of MareFrame is to increase the use of EAFM



OBJECTIVES – THE WHAT

- Utilise new tools and technologies for novel data
- Develop and extend ecosystem models and assessment methods
- Develop practical Decision Support Framework (DSF) that can highlight alternatives and consequences
 - adapted to the needs of decision makers, managers, operators, and other stakeholders
 - support the implementation of the new Common Fisheries Policy (CFP), Marine Strategy Framework Directive (MSFD) and Habitats Directive (HD)
- Integration, co-creation and training of stakeholders







STRATEGY – THE HOW

The MareFrame focus will:

- Enhance the capacity to provide holistic assessment on important issues
- Provide advice and decision support for an ecosystem based approach to fisheries management
- Look at feasibility for implementation

MareFrame will allow for:

- Collaboration across multiple scientific fields
- Collaboration between different ecosystems involved in catching of fish
- Co-creation approach which merges analytical and participatory processes in collaborative research with stakeholders





WHAT IS NEW ABOUT THIS APPORACH?

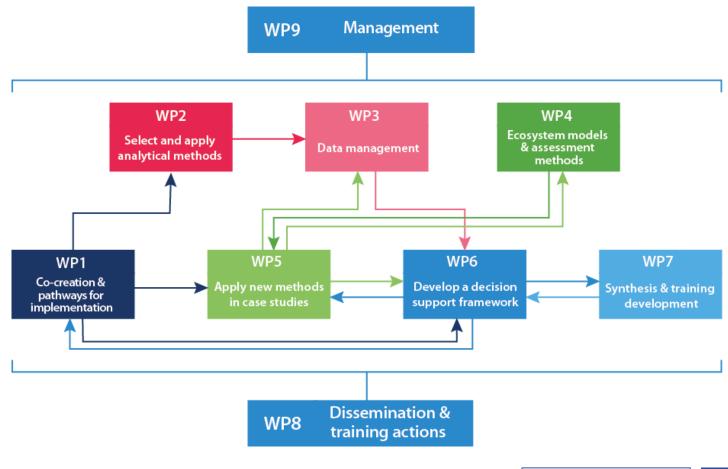
• COMPARISON

- For the first time, the performance of a broad spectrum of ecosystem based models will be developed, tested and compared systematically on the same ecosystem, and evaluated using the same underlying dataset
- Knowledge gained on the prediction of the models
- CO-CREATION
 - The new predictive monitoring system will be based on responsiveness, flexibility, stakeholders ´ involvement and developed and demonstrated through training actions, role-play and workshops with stakeholders





NINE WORK PAGAGES (WPs)



THIS PROJECT HAS RECEIVED FUNDING FROM THE EUROPEAN UNION'S SEVENTH FRAMEWORK PROGRAMME FOR RESEARCH, TECHNOLOGICAL DEVELOPMENT AND DEMONSTRATION UNDER GRANT AGREEMENT NO. 613571.

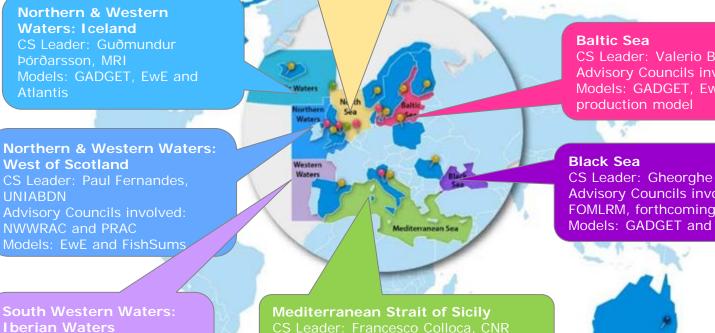


OUTLINE



North Sea

CS Leader: John Pope, NRC Advisory Councils involved: NSRAC, PRAC Models: GADGET, EwE, Multispecies production models, Size spectra



SWWRAC

CS Leader: Francesco Colloca, CNR Models: GADGET and Atlantis

CS Leader: Valerio Bartolino, SLU Advisory Councils involved: BSRAC Models: GADGET, EwE, Multispecies

CS Leader: Gheorghe Radu, INCDM Advisory Councils involved: RAC FOMLRM, forthcoming Black Sea AC. Models: GADGET and EwE

New Zealand CS Leader: Ian New Zealand Tuck, NIWA Models: Atlantis

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EXPECTED OUTCOME

- New tools and technologies
- Extended ecosystem models and assessment methods
- New Decision Support Framework (DSF) that can highlight alternative management actions and their consequences
- Development, acceptance and incorporation by stakeholders
- Support implementation of the new Common Fisheries Policy (CFP), the Marine strategy Framework Directive (MSFD) and the Habitats Directive (HD)



BENEFICIARIES



Societal impact



- Efficient and effective decision making and implementation
- Sustainable industry performance in terms of ecological, social and economic aspects

- Recovery of overexploited fish stocks.
- Enhance sustainable fisheries.

Added value to society

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MareFrame



MareFrame liaises with other national and international research projects and is of high relevance to the future management of living marine resources in Europe in a changing environment, taking a holistic view incorporating socio-economic and legislative issues

MareFrame

www.mareframe-fp7.org/

Funded under the EU FP7 Programme A consortium of 28 partners from 14 countries Duration of four years: Jan. 2014 – Dec. 2017

Work programme topic addressed: KBBE 2013.1.2-08: Innovative insights and tools to integrate the ecosystem-based approach into fisheries advice

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