

SHARING KNOWLEDGE FOR SUSTAINABLE FISHERIES

Celtic Sea Mixed Demersal Fisheries Case study

NWWRAC Dublin Meeting 26/03/14

Colm Lordan

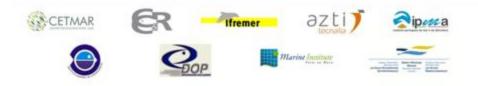
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Developments date:

Improving the information base

- New assessments
- Mixed fisheries data in the Celtic Sea
- Improved spatial resolution
- Broadening the historical perspective
- Taking account of economic variables
- Exploring options for multi-species management.
- Developing science and advisory thinking
- Engaging with industry stakeholders





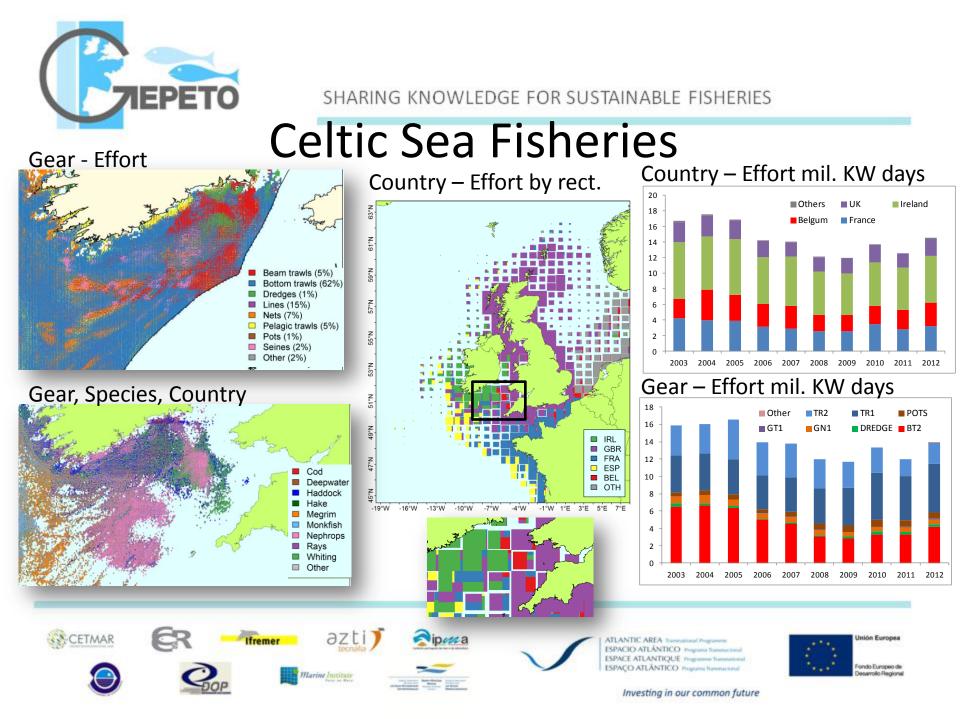
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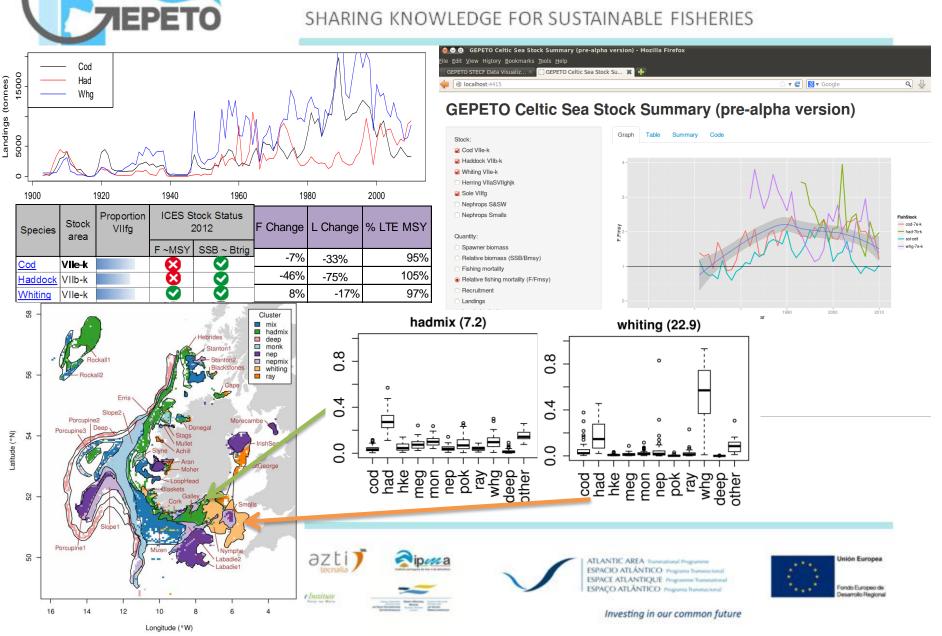
- Irish Atlas launched today
- Review of CSLTMP developing objectives & indicators
- WP4 Management Unit Review
- Various Shinny Apps developed
- Review of mixed fisheries modelling options
- Plan for Multi-species HCR





Multi-Species Approach

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Review of Mixed Fisheries modelling





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Next Steps

- WP5 Developing the Roadmap
- Aligning CSLTMP to "Discard Plans", MSY, regionalisation
- Developing and MSE Targets & Framework
 - Management Strategy Evaluation
 - Multi-species MSY targets
- The DAMARA Decision Support Tool
- Improve Communication with NWWRAC
- Addressing Implementation & governance issues
- Final Conference 8-9 July 2013 (Vigo)



Scientific support for the development of a management plan in the Celtic Sea

(DAMARA - DemersAl Mixed fishery Analysis tool for Regional Advice)

Background

- Contract signed mid-November 2014
- Consortium 'kick-off' meeting with Cion mid-December 2014
- Coordination meeting mid-January 2014

Kick-Off meeting summary

- Spatial scale of the plan (VIIfg v VIIe-k)
- End-users of the model
- Avoiding a 'black-box' approach
- Standardised data requirements

Coordination Summary

- 1. Stakeholders
- 2. Modelling options
- 3. Work-plan

Stakeholders

- Support development of NWWRAC Celtic Sea mixed fisheries plan
- Model could be used by NWWRAC; DGNWWG; Commission
- Transferable to other areas
- Stakeholder dialogue <u>critical</u> what types of options to be explored – how to report the results

Modelling

- Selectivity model cooperation with Marine Lab to develop model to predict impacts of different technical options
- Bio-economic model adapt and use existing bio-economic model (FLBEIA)
- Adaptations dependent on stakeholder wishes and technical ability to model options
- Resolution dependent on available data e.g.
 VMS , fleet/metier specific economic data etc

Work-Plan

- NWWRAC stakeholder coordination group
- Feedback to modelling group
- Initial adaptation of FLBEIA
- Develop proto-type model to aid model and user-interface design