

# Scientific Support for the Development of a Management Plan in the Celtic Sea (DAMARA<sup>1</sup>)

Outcomes of the 1<sup>st</sup> Stakeholder  
Meeting

Dublin 11 June 2014

<sup>1</sup>DemersAI Mixed fishery Analysis tool for Regional Advice

# Some Background

- NWWRAC initiative to develop mixed-fisheries mgt plan for VII f,g mixed demersal fishery
- High level objectives agreed (2011) - need to develop the detail
- Understanding impacts of different management options is needed to progress.  
(technical measures; area, effort and capacity)

How do these relate to the objectives of the plan and the CFP?

(landings obligation; MSY; regionalisation; MFSD etc.)

# DAMARA –

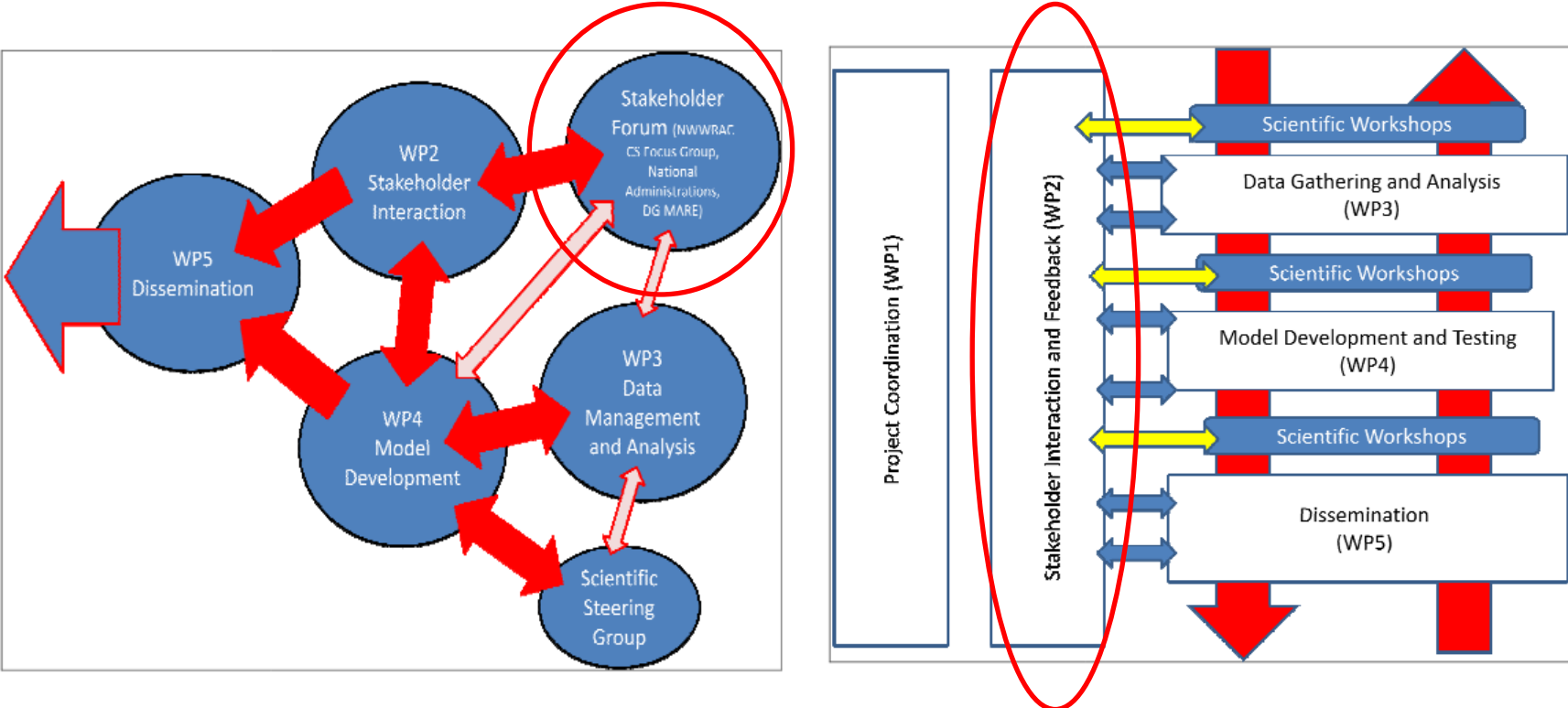
## Core principles and objectives

- *“not to develop management plans, it is to provide a tool to aid their development”*
- *“....to build a model to give guidance to stakeholders as to the potential bio/eco consequences of various management scenarios aimed at addressing mixed fisheries issues”*
- *“Given that the tool is to be used by managers and stakeholders it is important that the design and user interface of the model is strongly influenced by them, the end users”*

# Stakeholder group has pivotal role in project

Project built around collaboration between stakeholders and scientists - supported and facilitated by NWW AC

Stakeholder group guides on scenarios to be investigated and how this information is presented.



# Key Processes

- **Investigation of management scenarios and identification of management tools with stakeholders.**
- **Develop an stakeholder driven model input**
- **Outputs based on key stakeholder questions**
- Synthesise all necessary fisheries data
- Review potential biological, technical and economic and social modelling approaches
- Development of an operational bio-economic stochastic model to bio/economic impacts of changes in exploitation patterns
- Produce a detailed instruction manual and provide ongoing dissemination

# 1<sup>st</sup> Stakeholder Meeting

- Provide an overview of DEMARA project - Primary Objectives and challenges
- Non-technical overview of modelling approach
- Stakeholders viewpoints
- Initial thoughts on scenarios to be investigated
- Communication strategy and work plan

# Stakeholders – Roles and Responsibilities

- “...*develop* a decision support tool that will evolve in response to stakeholder requirements through the interaction *process*.”
- “*Define and implement and engagement process that provides the opportunity for collaborative development of a tool for evaluation of harvest strategies for mixed fisheries. Establish a process to that makes the information count in the management system (i.e. how it used to support development of Mixed fishery multi-annual plan)*”

# Outcomes

- Need to explain modelling approach in a non-technical format
- Explain the underlying process and key assumptions/uncertainties
- Primary focus should be on assessment of economic losses with consideration to downstream impacts e.g. processing sector
- Need input to help define fleet segments and plug possible data gaps e.g. economic
- Need to ensure good ongoing communication and dialogue



# Outcomes

- Assess bio-economic impacts of (i) changes in gear selectivity (ii) area closures (permanent or seasonal) (iii) fleet capacity (iv) fleet effort (v) fleet displacement
- Prototype model to be developed for next stakeholder meeting for evaluation
  - Interest in evaluating impact of improvements in selectivity in response to potential high recruitment
  - Explore the potential impacts of landing obligation

# Work Plan

- Modelling workshop end-July to develop prototype considering input from 1<sup>st</sup> stakeholder meeting
- 2<sup>nd</sup> stakeholder meeting October to evaluate and critically appraise prototype
- Continued model development during Q4
- 3<sup>rd</sup> stakeholder meeting Jan 2015 for evaluation

- Thanks