

The Irish Fisheries Science Research Partnership

The Fisheries Resource - Linking Advice, Research and the Fishing Industry

A Mini Conference
The Marine Institute, Galway
Wednesday 23rd and Thursday 24th June 2010

AGENDA

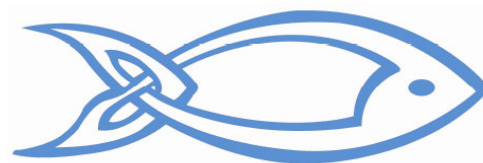
The objective of this mini symposium is to provide an overview of current research projects on the Marine Fisheries Resources.

The format will consist of a series of keynote talks that will set the context in terms of the role of research, future directions of scientific advice and the views of the fishing industry on the importance of linking advice and research.

Several theme sessions will comprise a series of 15 minute presentations from researchers focused on the results of their work and with emphasis on how these results may enhance future scientific advice. **Communicating the scientific findings of their work in a clear and concise non-technical manner is a crucial part of the mini conference.** The steering committee has added a non technical title to each presentation.

A wrap up session will focus on how we can strengthen the linkages between advice, research and industry in the rapidly changing world of ocean governance.

Please note speakers must adhere to their time allocation.



Wednesday 23rd June (Day 1)

- 10:00** **Coffee and Registration (€15)**
- 10:40** **Welcome and Introduction - Dr Peter Heffernan, CEO MI**
- 10:55** **Keynote 1: Josephine Kelly, DAFF - Linking Advice and Research –
A Management Perspective**
- 11:15** **Keynote 2: Lorcán O Cinnéide, FIF - Linking Advice and Research –
An Industry Perspective**
- 11:30** **Theme Session I – Research Vessel Surveys**
Chair: Frank O’Brien
- 11:35** Pros and Cons of Using Commercial Fishing Vessels as Acoustic Platforms for Monitoring Herring off the West Coast of Ireland. (*The use of commercial fishing vessels for acoustic surveys monitoring of herring off the west coast of Ireland.*) Saunders, R.A., O’Donnell, C., Clarke, M.W. and Reid, D.
- 11:50** Measuring and mitigating uncertainty in Nephrops Underwater Television surveys. (*Improving Nephrop surveys.*) Doyle, J. and Lordan, C.
- 12:05** Spatio-Temporal Dynamics of Atlantic Cod (*Gadus Morhua*) in the Irish and Celtic Seas: Results from a Collaborative Tagging Programme. (*Movements of cod around Ireland from tagged fish.*) Bendall, V., Ó Cuaig, M., Schön, P.J., Hetherington, S., Armstrong, M., Graham, N. and Righton, D.
- 12:20** Extending the Pelagic Acoustic Survey in the Irish Sea – Preliminary Results 2007-2009. (*Changing acoustic surveys based on fishermen’s knowledge.*) Schön, P.J., Beggs, S., Foster, G., McCausland, I., McCorrison, P., McCurdy, W., O’Callaghan, E. and Peel, J.
- 12:35** **Discussion and Comment**
- 12:55 – 13:50** **LUNCH**

13:50 Theme Session 2 – Pelagic Fisheries

Chair: John Molloy

13:55 Temporal Trends in Stock Composition of Celtic Sea Herring. (*The importance of separating autumn and winter spawning in Celtic Sea herring.*) Harma, C., Brophy, D. Clarke, M.W. and Minto, C.

14:10 Long-term Changes in the Biological Parameters of Herring in the Celtic Sea and Southwest of Ireland. (*Changes in growth of Celtic Sea herring in the 20th century.*) Lynch, D., Wilson, J.G., and Clarke, M.W.

14:25 The Rebuilding Plan for Celtic Sea Herring and Steps towards Developing a Long Term Management Plan. (*The science behind the development of the Celtic Sea Management Plan.*) Egan, A. and Clarke, M.W.

14:40 Long Term Trends of Mackerel Spawning Locations and Associated Environmental Conditions. (*Changes in spawning locations of mackerel over the last 30 years.*) Hughes, K.M., Johnson, M.P. and Dransfeld, L.

14:55 Discussion and Comment

15:05 - 15:25 COFFEE

15:25 Theme Session 3 – Inshore Fisheries

Chair: Richard Fitzgerald, NUIG

15:30 Managing for Sustainable Exploitation of Dredging in Intertidal Mudflats. (*The ins and outs of dredging in Natura sites.*) Clarke, S. and Tully, O.

15:45 Estimating Exploitation Rates on Shrimp Using Standardised Catch Rate Depletion Methods. (*Estimating the proportion of shrimp stock taken in a fishery.*) Kelly, E. and Tully, O.

16:00 Designing Technical Conservation Measures to Optimise Egg Production in Lobster Stocks. (*Increasing lobster stocks through v-notching, minimum and maximum landing sizes.*) Tully, O. and O'Donovan, V.

16:15 Discussion and Comment

16:30 - 16:35 5 MINUTE RECESS

16:35 Theme Session 4 – Making the most of Information

Chair: Michael Keatinge, BIM

16:40 Unlocking the Power of VMS Data to Inform Fisheries Assessments and Advice. (*Linking VMS and logbook data, providing a more detailed picture of Irish fisheries.*) Gerritsen, H.D. and Lordan, C.

16:55 Landing and Processing Fishers' Knowledge in the Galway and Aran Fishery. (*How fishermen's experience could be used for co-management.*) Hind, E.J.

17:10 Linking Industry-Science Co-Operation and Co-Management: the Celtic Sea Herring Experience. (*Collaboration between scientists and fishermen to develop and propose new management measures for Celtic Sea herring.*) Fitzpatrick, M., Reid, D.G., Clarke, M.W. and Power, G.

17:25 Capturing Fishers' Knowledge – the Celtic Sea Cod Fishery. (*Findings from interviews with Celtic Sea fishermen.*) Martin, E. M.

17:40 The Multiple Métiers Fished by the Irish Industry. (*Description of Irish fisheries using gear, vessel and landings data.*) Davie, S. and Lordan, C.

17:55 Discussion and Comment

18:10 Summary of Day I: Paul Connolly

18:20 CLOSE OF DAY I

Thursday 24th June (Day 2)

9:30 Theme Session 5 – Understanding Biological Interactions

Chair: Aengus Parsons

9:35 Unravelling Population Connectivity in the Deep-Sea – Towards Sustainable Fisheries. (*Understanding deep-sea stocks and a suggested fishing approach.*) Longmore, C., Fogarty, K., Neat, F., Brophy D., Trueman, C., Milton, A. and Mariani, S.

9:50 Preliminary findings on the biology of Black Scabbardfish (*Aphanopus carbo* Lowe, 1839) in the North East Atlantic – implications for management. (*Identifying areas of mature and immature black scabbard in the North East Atlantic.*) Ribeiro Santos, A., Connolly, P. and Rogan, E.

10:05 Fisheries Discards in the Irish Sea (Division VIIa) Exhibit Temporal Oscillations and Trends Reflecting Underlying Processes at an Annual Scale. (*Annual trends of discards in the Irish Sea.*) Viana, M., Graham, N., Wilson, J.G. and Jackson A.L.

10:20 The EU FP7 'CoralFISH' Project: a Unique Science-Fisheries Research Partnership. (*Involving stakeholders in deep-sea fisheries management.*) Grehan, A.J.

10:35 Discussion and Comment

10:45 – 11:00 COFFEE

11:00 Theme Session 6 – Management Coordination

Chair: Sean O Donoghue

11:05 Forgotten Signals in Fisheries Management. (*Looking at fish stock status with a new technique.*) Pazhayamadom, D.G., Rogan, E., Kelly, C. and Codling, E.

11:20 A Possible Management Tool Allowing Flexible Choices in the Celtic Sea Mixed Fisheries. (*An idea for giving fishermen more flexibility in mixed fisheries.*) Kraak, S.B.M., Davie, S., Kelly, C.J., Codling, E.A. and Rogan, E.

11:35 The Large Fish Indicator – an intuitive index of fish community state. (*How the proportion of large fish in the sea can be used to describe the effects of fishing.*) Shephard, S. and Reid, D.G.

11:50 Geostatistical Analysis of Nephrops Norvegicus Density around Ireland. (*Distribution of prawns around Ireland.*) Benchikh, H.A., Lordan, C., Codling, E. and Rogan, E.

12:05 An Industry/Science Approach to Not Catching Cod. (*Irish response to cod avoidance measures.*) Rihan, D.J., McDonald, D. and Graham, N.

12:20 Discussion and Comment

12:50 - 13:45 LUNCH

13:45 Theme Session 7 – Fisheries & Marine Ecosystems

Chair: Michael Gillooly

13:50 Models Connecting Science and Fisheries Management. (*Assessing the impact of fisheries management using ecological models.*) Farnsworth, K.F., Fung, T., Houle, J.E., Reid, D.G. and Rossberg, A.G.

14:05 Modelling the Ecosystem Role of Top Predators (Cetaceans and Seals) in Irish Waters. (*What do seals and cetaceans eat, and what is the importance of that in the broader ecosystem, particularly in relation to commercial fisheries?*) Hernandez-Milian, G., Rogan, E. and Reid, D.G.

14:20 Integration of VMS and Telemetry Technologies to Assess Niche Overlap and Competition between Marine Mammals and Commercial Fisheries in Southwest Ireland. (*Overlap or avoidance: the distribution of seals and fishing vessels at sea.*) Cronin, M., Gerritsen, H. and Reid, D.G.

14:35 Discussion and Comment

14:50 Summary of Day 2: Paul Connolly

Key messages to consider and identify any gap areas.

15:00 Final Wrap up Discussion and Conclusions –

Chair: Lorcán O Cinnéide

“What are the key considerations that will achieve and strengthen the links between scientific advice, research and the Industry? “

15:35 - 15:45 Close of Mini Conference - Minister of State at the Department of Agriculture, Fisheries and Food, Sean Connick, T.D.