Co-creating EAFM in Europe: The Pelagic AC meets MareFrame

Dr. Verena Ohms
Pelagic Advisory Council
Contents

1. Fisheries management in the EU
2. The Pelagic Advisory Council
3. MareFrame and EAFM
Fisheries management in the EU

Common Fisheries Policy (CFP)
Multiannual management plans
Technical Measures Regulation etc.

TACs

Regional MS groups

STECF

ICES CIEM

MAFMC meeting, 11-14 April 2016, Montauk, New York
(Regional) Advisory Councils

Council Regulation (EC) No 2371/2002 of 20 December 2002:

- (Regional) Advisory Councils shall contribute to the achievement of the objectives of the CFP
- Fishermen and other stakeholders, e.g. NGOs
The Pelagic AC

• Stakeholder-led organisation

• Established in 2005

• Advice on pelagic fisheries management and related issues, e.g. TACs, technical measures

• Management plans

• Economic and social aspects

• 13 discrete pelagic stocks: herring, mackerel, horse mackerel, blue whiting and boarfish
Organisation

Chairman

General Assembly
(60% fisheries sector / 40% other interests)

- Draws up annual work plan and approves accounts
- Elects Executive Committee and chairman

Executive Committee
(60% fisheries sector / 40% other interests)

Issues and approves advice

Working Group I
(North Sea and blue whiting)

Suggest recommendations to ExCom

Working Group II
(Celtic Sea, mackerel and boarfish)

Secretariat

MAFMC meeting, 11-14 April 2016, Montauk, New York
Meet our members

• Fisheries organisations from Denmark, France, Germany, Ireland, Netherlands, Poland, Spain, Sweden and UK
• Processors and Trade organisations
• eNGOs
• Workers Organisation
• Recreational fishermen
• North Sea women’s network
CFP reform 2014

- Maximum Sustainable Yield by 2020
- Landing obligation
- Regionalization
- Ecosystem-based approach to fisheries management
Co-creating Ecosystem based Fisheries Management Solutions

Duration 4 years: Jan. 2014 - Dec. 2017
AT A GLANCE

28 partners
14 countries
3 continents

€ 7.7 million
total budget

Coordinator
Dr. Anna Kristín Daníelsdóttir
Matís Iceland

Scientific Manager
Dr. Gunnar Stefánsson
University of Iceland
AIM

Remove barriers preventing a wider uptake of the EAFM by:

• Novel data based on new tools and technologies, e.g. genetics, stable isotopes...

• Development, extension and comparison of ecosystem and assessment models

• Decision Support Framework highlighting alternatives and consequences

• Integration and co-creation
Predicted landings for 2013, per stock and per scenario
TAC overshoot (hatched) and undershoot (below zero)

Source: ICES Advice 2012, Book 6
**Mediterranean Strait of Sicily**
- **CS Leader:** Francesco Colloca, CNR
- **Models:** GADGET and Atlantis

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

**Northern & Western Waters: Iceland**
- **CS Leader:** Guðmundur þórðarson, MRI
- **Models:** GADGET, EwE and Atlantis

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

**Baltic Sea**
- **CS Leader:** Valerio Bartolino, SLU
- **Advisory Councils involved:** BSAC
- **Models:** GADGET, EwE, Multispecies production model

**Northern & Western Waters: West of Scotland**
- **CS Leader:** Paul Fernandes, UNIABDN
- **Advisory Councils involved:** NWWAC and PELAC
- **Models:** EwE and FishSums

**South Western Waters: Iberian Waters**
- **CS Leader:** Javier Ruiz, CSIC
- **Advisory Councils involved:** SWWAC
- **Models:** GADGET

**North Sea**
- **CS Leader:** John Pope, NRC
- **Advisory Councils involved:** NSAC, PELAC
- **Models:** GADGET, EwE, Multispecies production models, Size spectra

**Mediterranean Strait of Sicily**
- **CS Leader:** Francesco Colloca, CNR
- **Models:** GADGET and Atlantis
North Sea case study

Priorities identified at a stakeholder meeting in 2014:
1. Need to achieve MSY
2. Landing obligation
3. Risks of incompatible regulations

Stakeholders want:
A case study of the North Sea multispecies fish system that helps clarify 1, 2 and 3 possibly with more detail for pelagic stocks
Requirements

Its structure should:
• Take account of species interactions and technical interactions
• Handle the main range of TAC species
• Allow fishing to be changed in realistic ways

Its outputs should include the important trade offs:
• Species yield
• Fleet economics
• Social implications
• Ecosystem effects

Most of all it **MUST BE:**
• Transportable, easy to understand and responsive
### Desired Changes in Species Fishing Mortality Rate

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**New F**

- COD: 0.4
- HAD: 0.3
- HER: 0.25
- MAC: 0.22
- NEP: 0.4
- NOP: 0.25
- PLE: 0.4
- POK: 0.35
- SAN: 0.2
- SOL: 0.9
- SPR: 0.15
- WHG: 

**Lower**

- COD
- HAD
- HER
- MAC
- NEP
- NOP
- PLE
- POK
- SAN
- SOL
- SPR
- WHG

**Higher**

- COD
- HAD
- HER
- MAC
- NEP
- NOP
- PLE
- POK
- SAN
- SOL
- SPR
- WHG

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### Catch by Species

- **COD**: New Steady State
- **HAD**: Current Steady State
- **HER**: New Steady State
- **MAC**: Current Steady State
- **NEP**: New Steady State
- **NOP**: Current Steady State
- **PLE**: New Steady State
- **POK**: Current Steady State
- **SAN**: New Steady State
- **SOL**: Current Steady State
- **SPR**: New Steady State
- **WHG**: Current Steady State

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<th>Env</th>
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<th>Charismatic Species by catch</th>
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Economic Results

- New Steady State
- Status Quo Steady State

Overall Value
Labour
Non Labour
GVA
Profit

SPAWNING BIOMASS

- Status Quo Steady State
- New Steady State
The challenges ahead

• Short term priorities
• Uncertainties in data and models
• Complex governance system
• 1 Union, but 28 individual countries
• Different sectors, different priorities
• Landing obligation
Why am I here?

• To learn from 30+ years experience of participatory governance in the United States

• EAFM guidance document

• Guidance for designing multi-annual multi-species plans

• Lessons learned on Federal-State interactions

• How to increase stakeholder engagement
Thank you!