

Ireland's Approach to the Collection of Marine Knowledge and Data under the EMFF



Bàt,

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Governance

Maritime Safety,
Security &
Surveillance

Clean – Green –
Marine

Business
Development,
Marketing &
Promotion

Research,
Knowledge,
Technology &
Innovation

Capacity,
Education,
Training &
Awareness

Infrastructure

International
& North/South
Cooperation



Ireland EMFF OP 2014-2020 - National Context

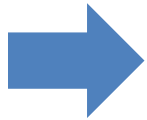
- Food Harvest 2020: Smart – Green – Growth
- Food Wise 2025: 'Local Roots Global Reach'
- *Harnessing Our Ocean Wealth:*
Ireland's Integrated Marine Plan
3 Goals, 8 Enablers, 39 Actions, e.g.
 - Maximising use of existing infrastructure (incl. data)
 - Multi-purpose usage, leverage for value-added, links to EU initiatives e.g. EMODNET
- Digital Ocean: Connecting with external marine stakeholders



The Six Union Priorities under the EMFF OP for Ireland

Union Priority 1

Promoting **environmentally** sustainable, resource efficient, innovative, competitive and knowledge based fisheries

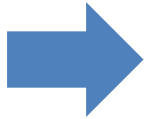


Union Priority 2

Fostering environmentally sustainable, resource efficient, innovative, competitive and knowledge based aquaculture

Union Priority 3

Fostering the implementation of the CFP.
data collection
control and enforcement



Union Priority 4

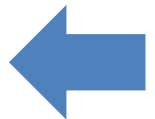
Increasing employment and territorial cohesion

Union Priority 5

Fostering marketing and processing

Union Priority 6

Fostering the implementation of the **Integrated** Maritime Policy (IMP)





NATURA

CFP

MSFD

Union Priority 1

Marine Biodiversity Scheme

- Support appropriate assessments & risk Assessments
- Monitoring and mitigation of risks
- Improved data provision to assess the impact of Fisheries on Biodiversity
- Restoration and management of habitats and Species
- Informatics in support of the CFP and ecosystem based management
- Collection and analysis of data to support the development and implementation of biodiversity descriptors in the MSFD
- Spatial fisheries management measures



Union Priority 3

Fostering the implementation of the
CFP

Data Collection Scheme

Objectives

- Preserving and protecting the environment and promoting resource efficiency
- Improving the supply of scientific knowledge and collection and management of data

Justification

- To collect relevant biological, economic and environmental data required for the targeted management of marine resources and ecosystems
- To support the implementation of the CFP
- Addresses priorities of reformed CFP
- Meet Ireland's obligations under European Legislation.

HARNESSING OUR OCEAN WEALTH

An Integrated
Marine Plan for Ireland

Roadmap
New Ways
New Approaches
New Thinking

ENABLERS
TASK FORCE ON
MARINE SPATIAL
PLANNING

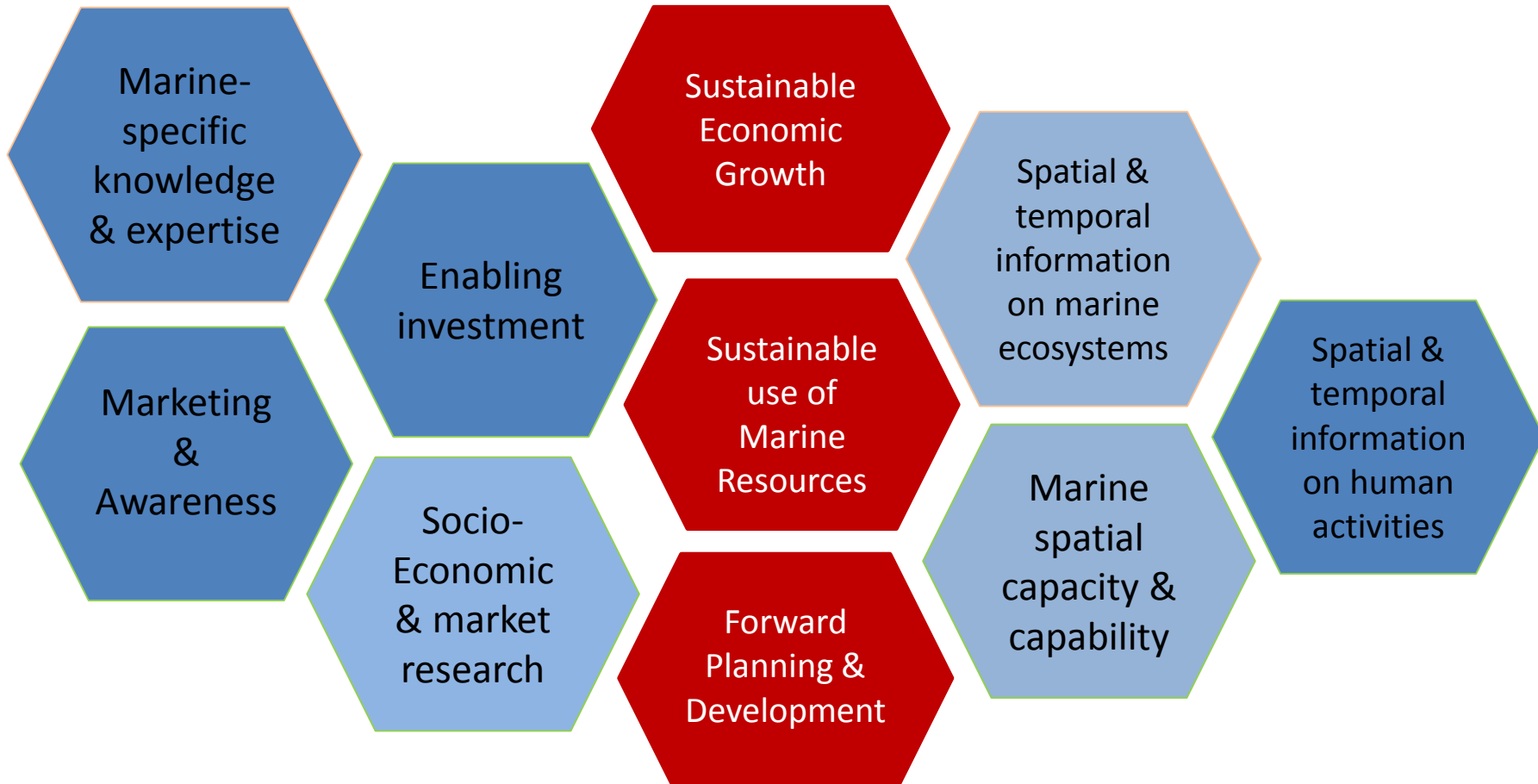
OUR OCEAN
WEALTH
DEVELOPMENT
TASK FORCE

Union Priority 6 - IMP

Blue Growth & Marine Spatial Planning Scheme (€10.6m)

Blue Growth Scheme

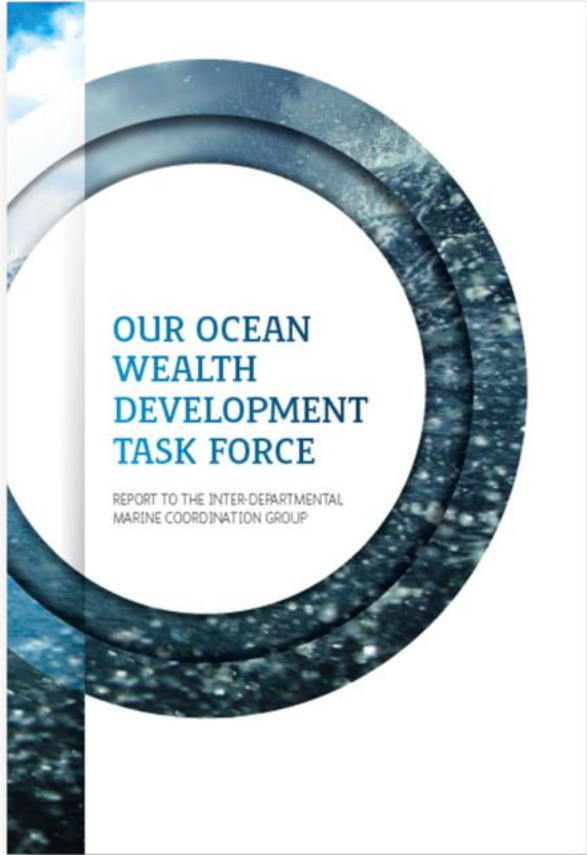
Maritime Spatial Planning Scheme





Measures for Blue Growth under UP 6 Fostering the Implementation of the IMP

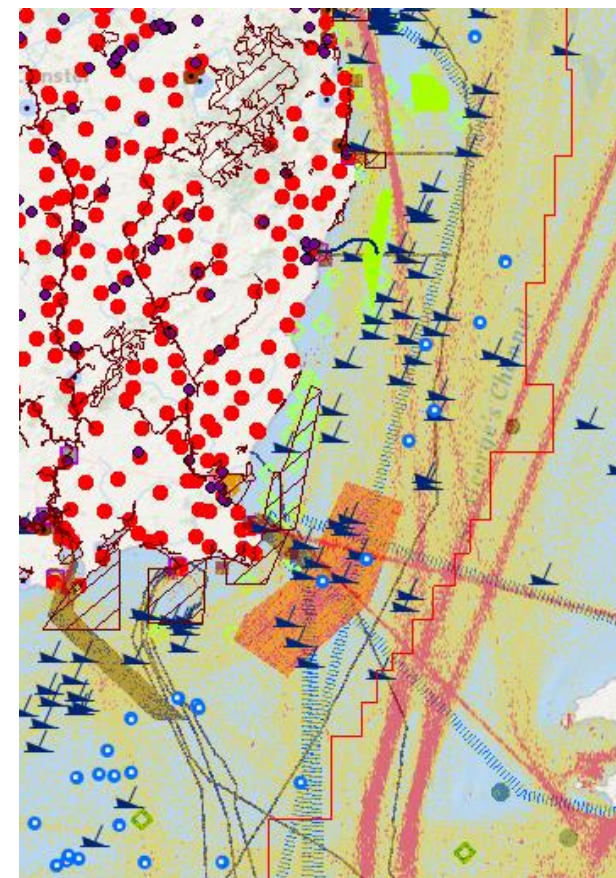
- **Interventions:** “marinising” existing enterprise sectors, “strengthening” established marine industries, “developing” untapped resources & nascent marine industries
- Establishing and understanding of Ireland’s competitive advantage
- Identifying opportunities, synergies and interdependencies
- Creating an umbrella brand & marketing message
- Stimulating investment





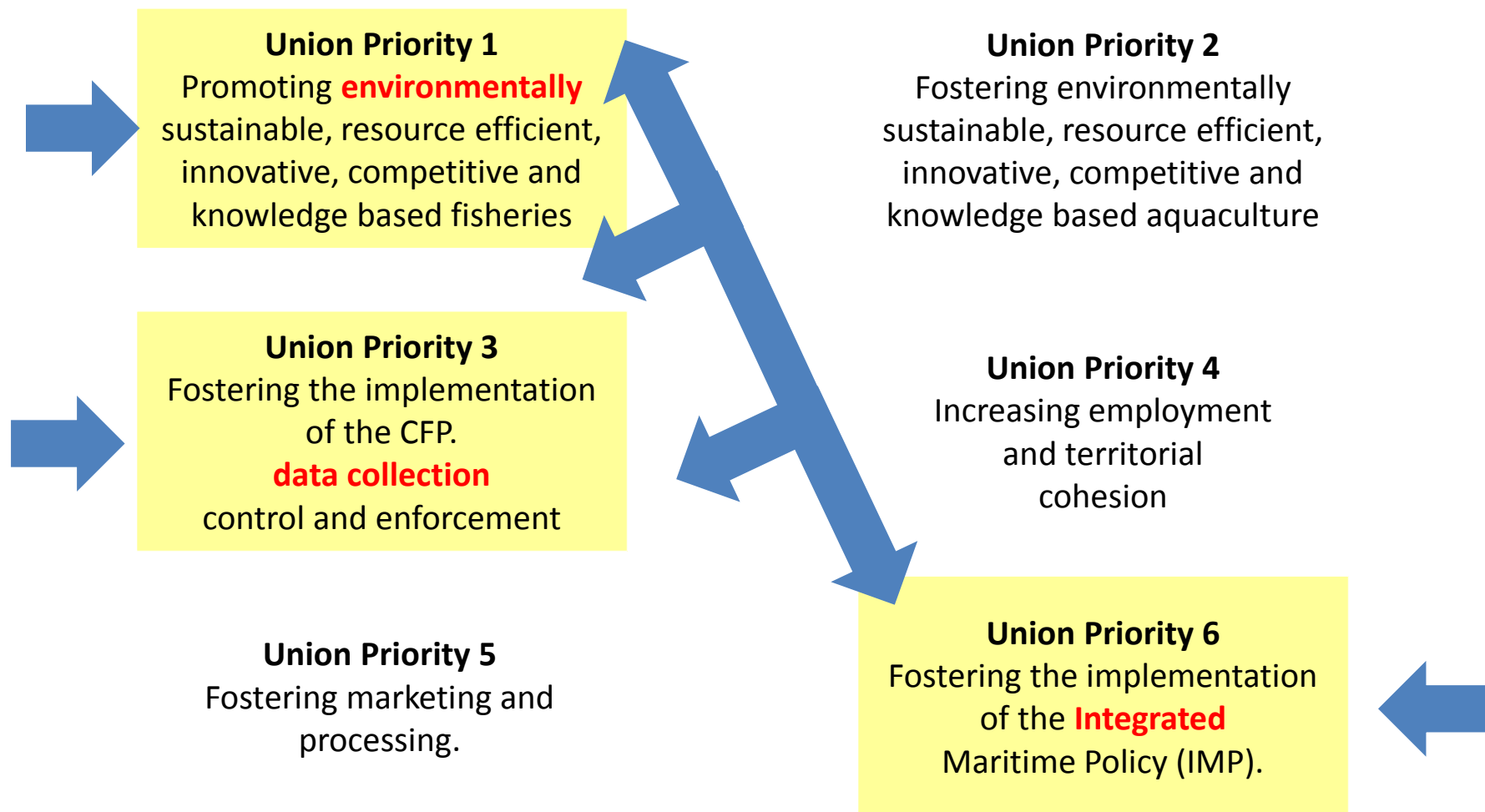
Measures for MSP under UP 6 Fostering the Implementation of the IMP

- Collation/mapping of all uses of marine ecosystem goods and services
- Assessment of spatial co-existence and synergies across all uses
- Identify spatial trade-off options for uses and conservation
- Support plan and decision making
- Support the sustainable growth of maritime economies, sustainable development and use of marine resources
- Build capacity in MSP in Ireland
- Provide technical & scientific support to implement MSP Directive





The Six Union Priorities under the EMFF OP for Ireland



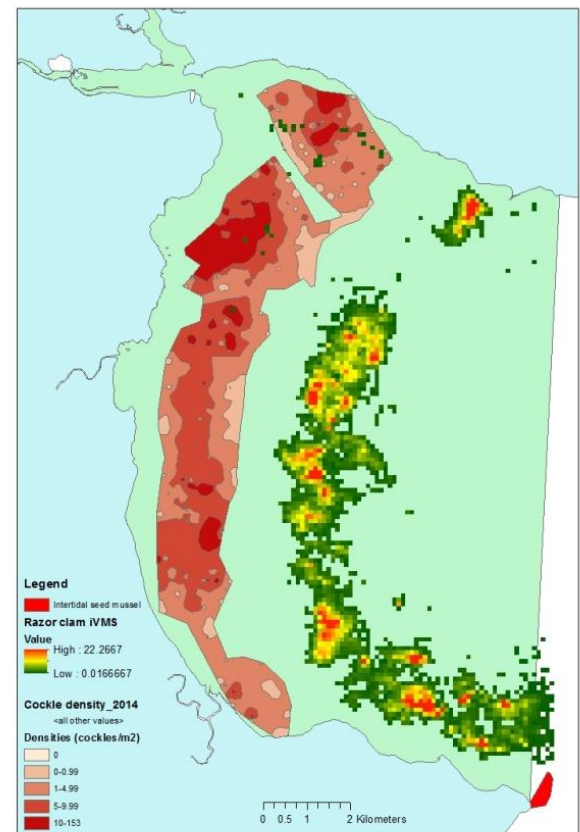


UP 1 Marine Biodiversity & UP 3 Data Collection Linkages & Synergies NATURA/impact of fisheries

Data provision to assess the impact of fisheries on the ecosystem

Impact on Habitats:

- UP3 DCF provides fishing footprint through control regulation for >10m vessels (VMS/logbook)
- UP1 Biodiversity scheme provides the data on Inshore VMS
- Targeted studies under UP1 can inform the data collection needs for impact on sea floor under UP3





UP 1 Marine Biodiversity & UP 3 Data Collection Linkages & Synergies NATURA/impact of fisheries

Impact on protected species:

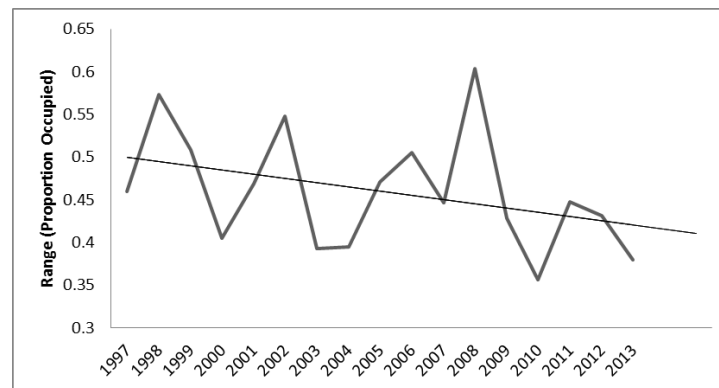
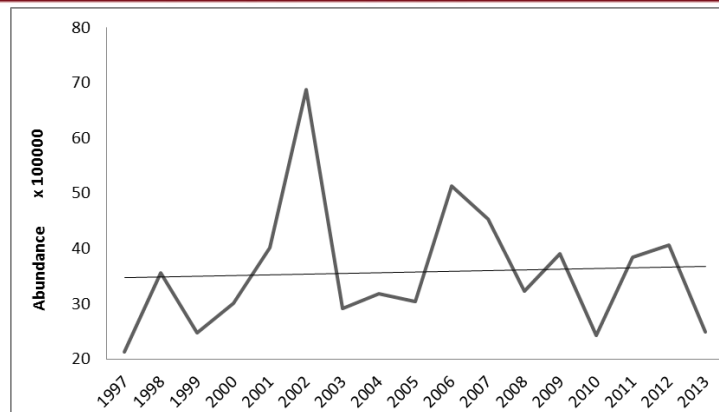
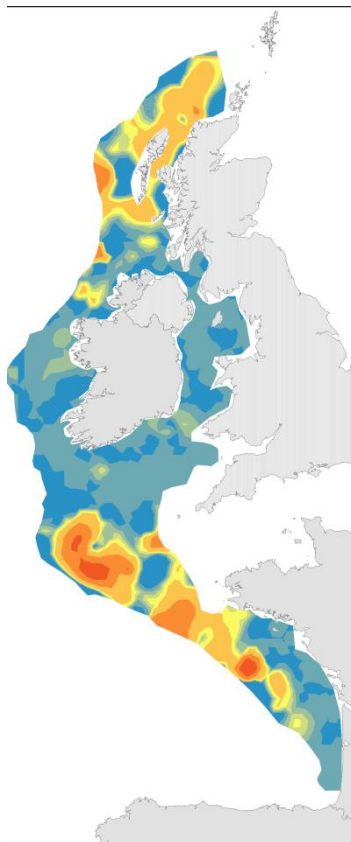
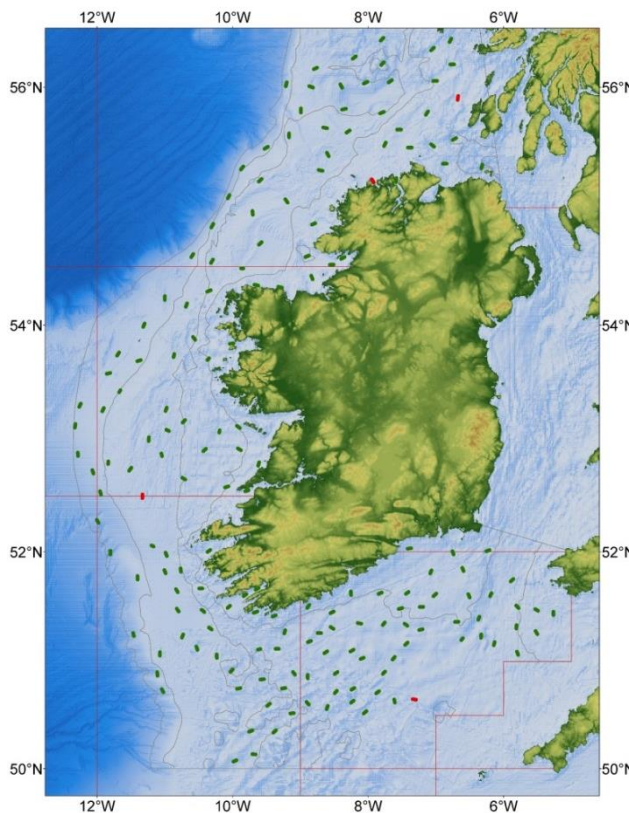
- UP3 DC – Data collection on bycatch of protected species as part of the observer programme
- UP1 Biodiversity scheme - Pilot studies on bycatch of high risk fisheries, can inform future data collection

Impact on Marine Foodwebs:

- UP 3 DC - Data collection on fish stocks for assessment – MSY
- UP1 Biodiversity scheme - Data on reference points for MSY key stone species
- Pilot studies on multispecies interactions can inform future data collection



UP 1 Marine Biodiversity & UP 3 Data Collection Linkages & Synergies to support MSFD

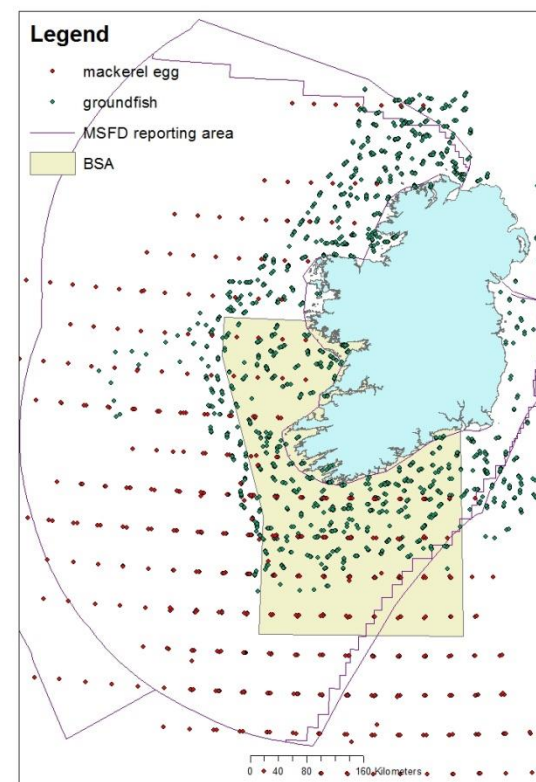


Leveraging DCF data for MSFD biodiversity indicators



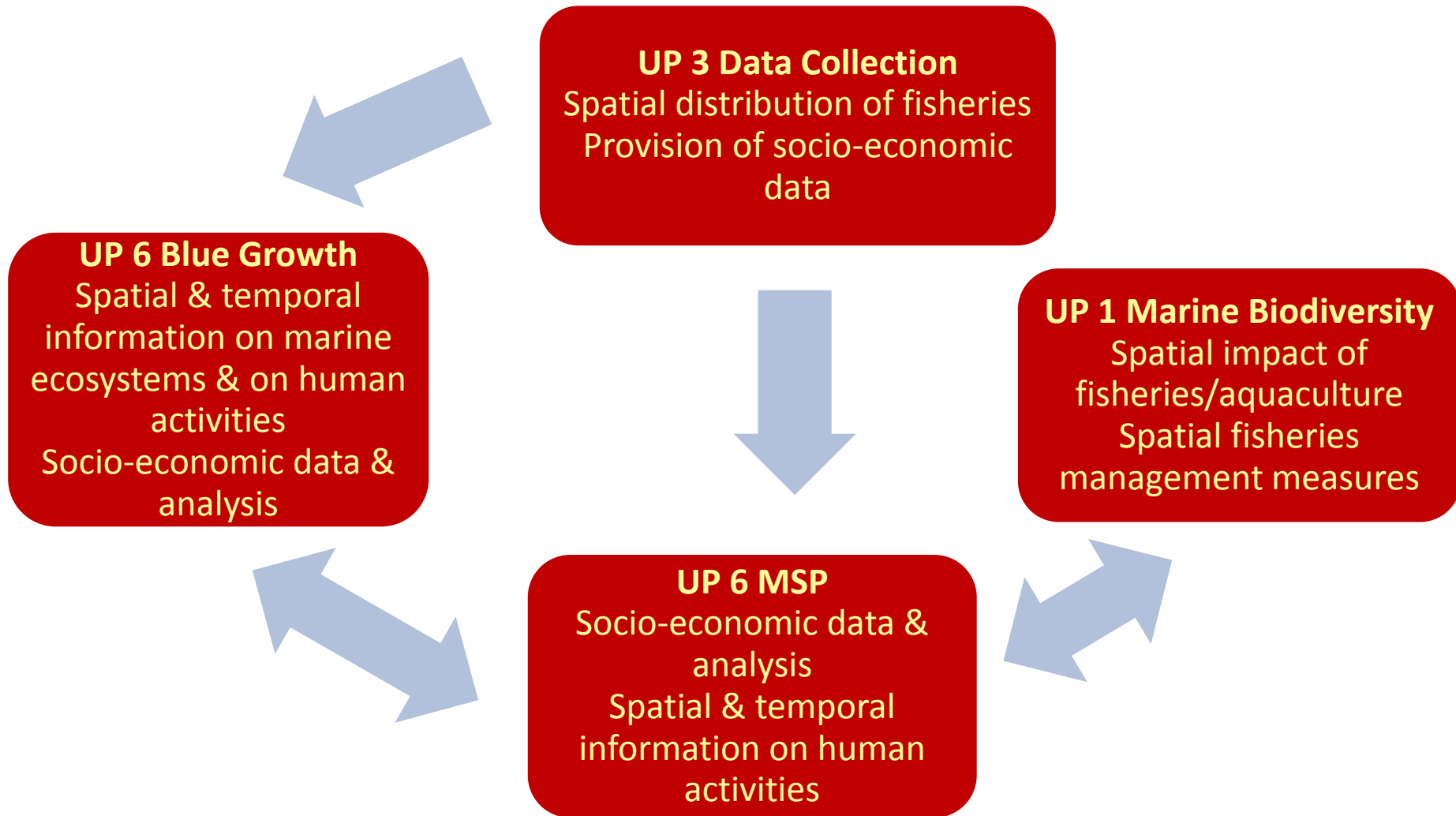
UP 1 Marine Biodiversity & UP 3 Data Collection Linkages & Synergies to support MSFD

- Leveraging DCF data for MSFD biodiversity indicators
- Evolving existing fisheries monitoring programmes to collect additional data in support of biodiversity descriptors
- Biomass and fishing mortality against reference points for keystone species and/or species sensitive to fishing





UP 6 IMP & UP 3 Data Collection & UP 1 Marine Biodiversity Linkages & Complementarities





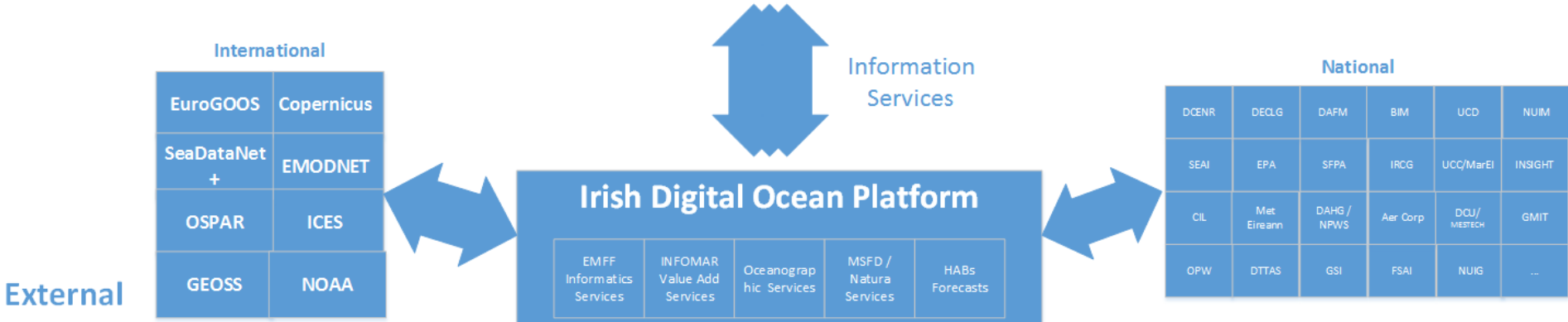
UP 6 IMP & UP 3 Data Collection (UP 3 Biodiv.) Linkages & Synergies Spatial Data ecosystems /activities

**Common
Fisheries Policy**

**UP6
Marine
Spatial
Planning**

**Birds and Habitats
Directive**

**Co-ordination and support for the implementation
of: Ireland's Integrated Marine Plan
EU's Integrated Maritime Policy
Atlantic Strategy
Common Information Sharing
EMODNET**



External

Internal

Marine Institute Data Strategy



- Well defined processes
- good governance
 - reproducible information
 - known quality

