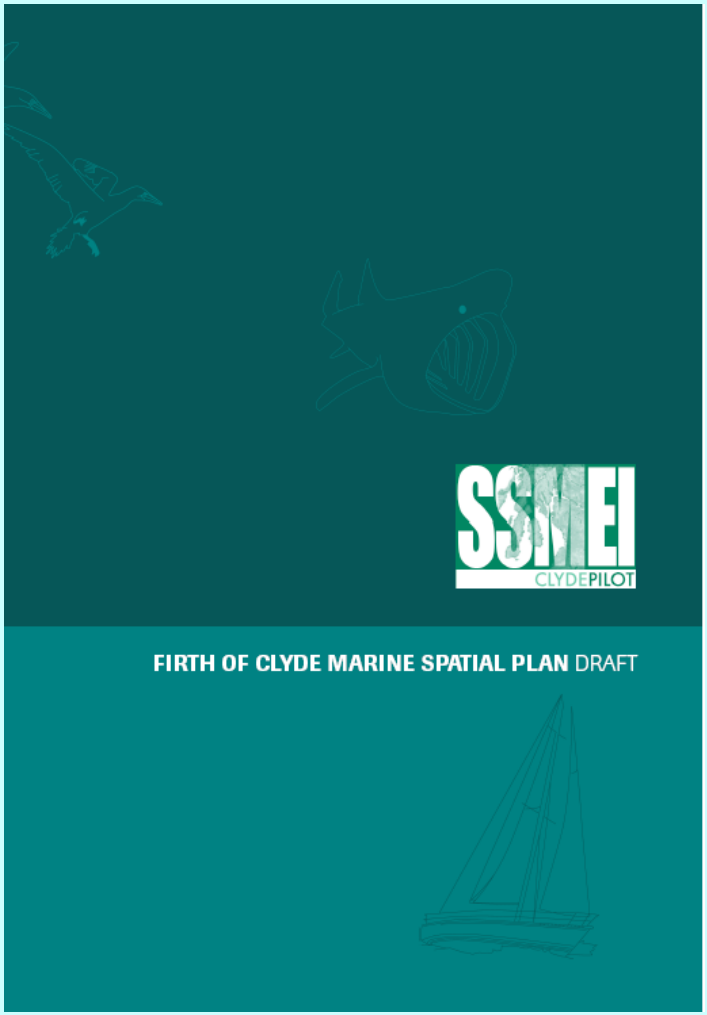


FIRTH OF CLYDE MARINE SPATIAL PLAN DRAFT



John Eddie Donnelly

ex-Project Officer
SSMEI Clyde Pilot

Firth of Clyde Marine Spatial Plan Draft

Firth of Clyde Forum
Annual Conference 2009

19th November 2009

Scottish Sustainable Marine Environment Initiative

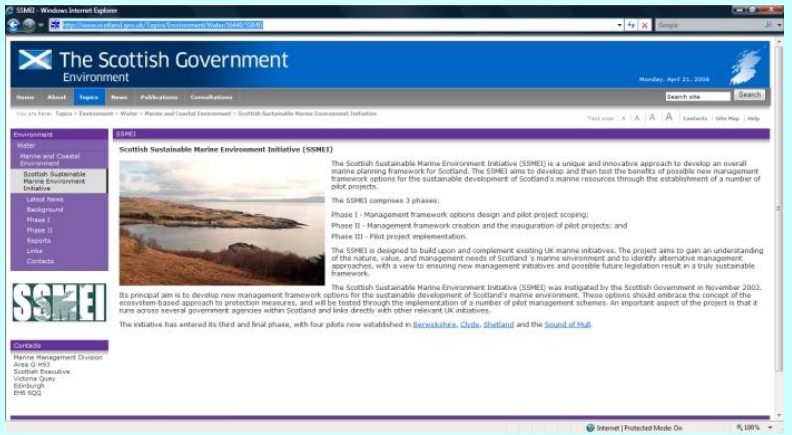
Scottish Sustainable Marine Environment Initiative

National programme

Budget £1.5 million

Instigated by the Scottish Government in 2002

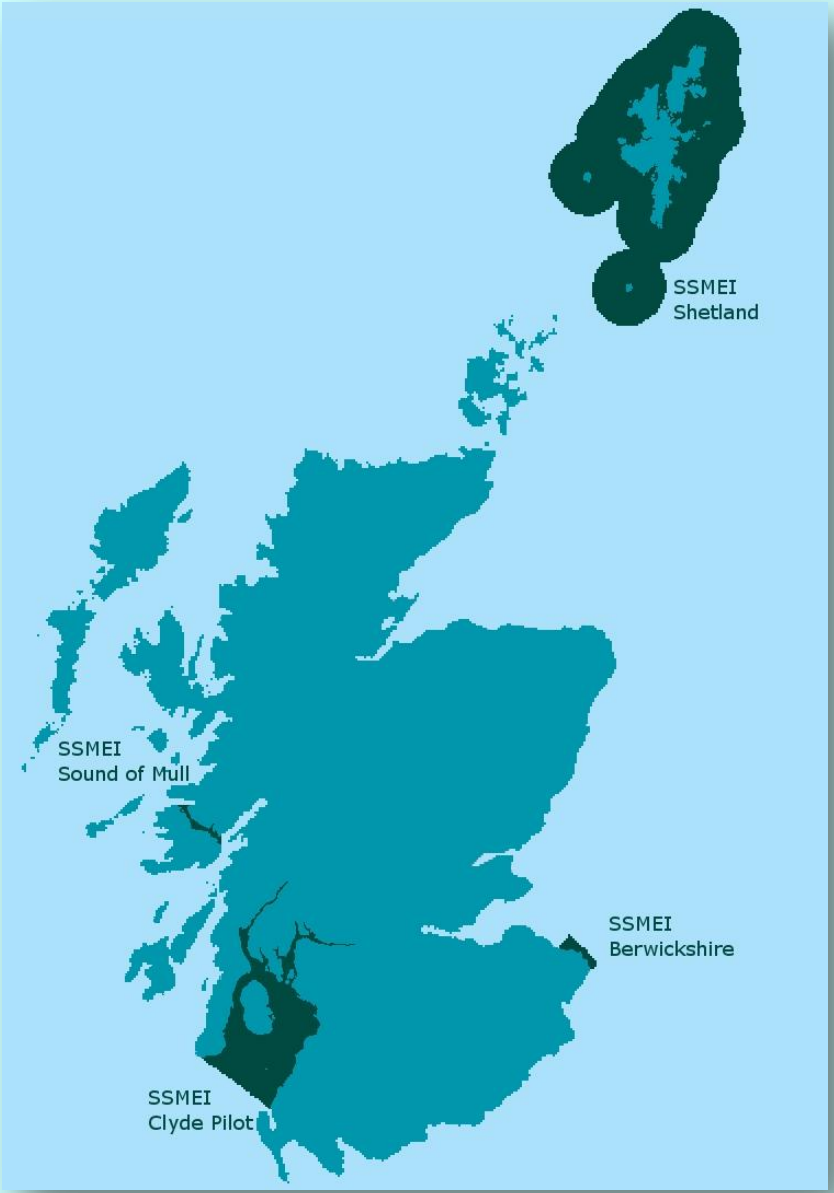
To inform the debate on how to manage Scotland's marine and coastal waters



Third Phase:
Pilot Projects

–Shetland
–Sound of Mull
–Clyde Pilot
–Berwickshire

Testing new approaches to sustainable management of Scotland's seas



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MSP Pilot Design

Similarities

Oversight by the national steering group

Stakeholder & regulator involvement

Underpinned by the ecosystem based approach

Differences

- Scale
- Location
- Local Authorities
- Approach

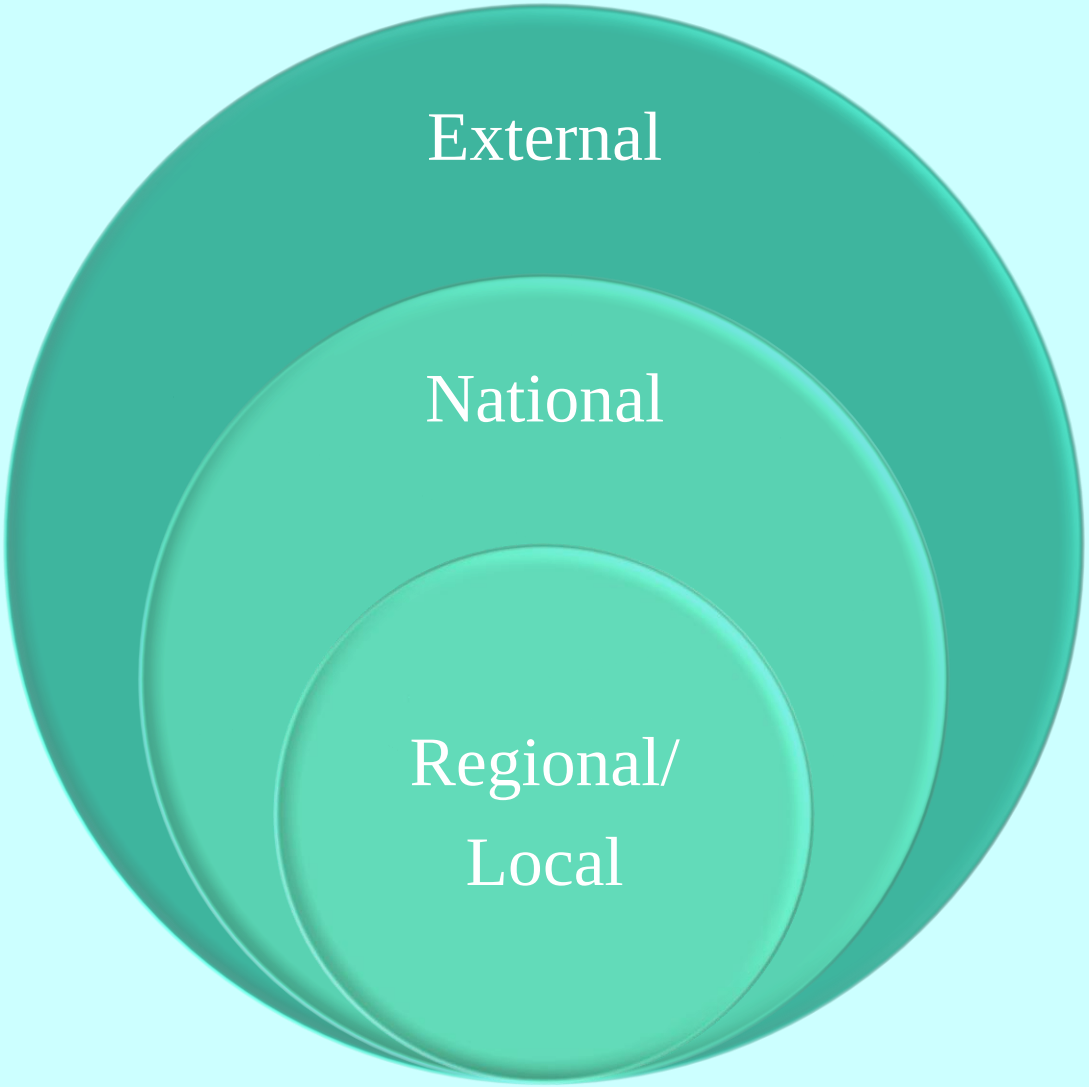
Each pilot is building on it's local strength and developing differently

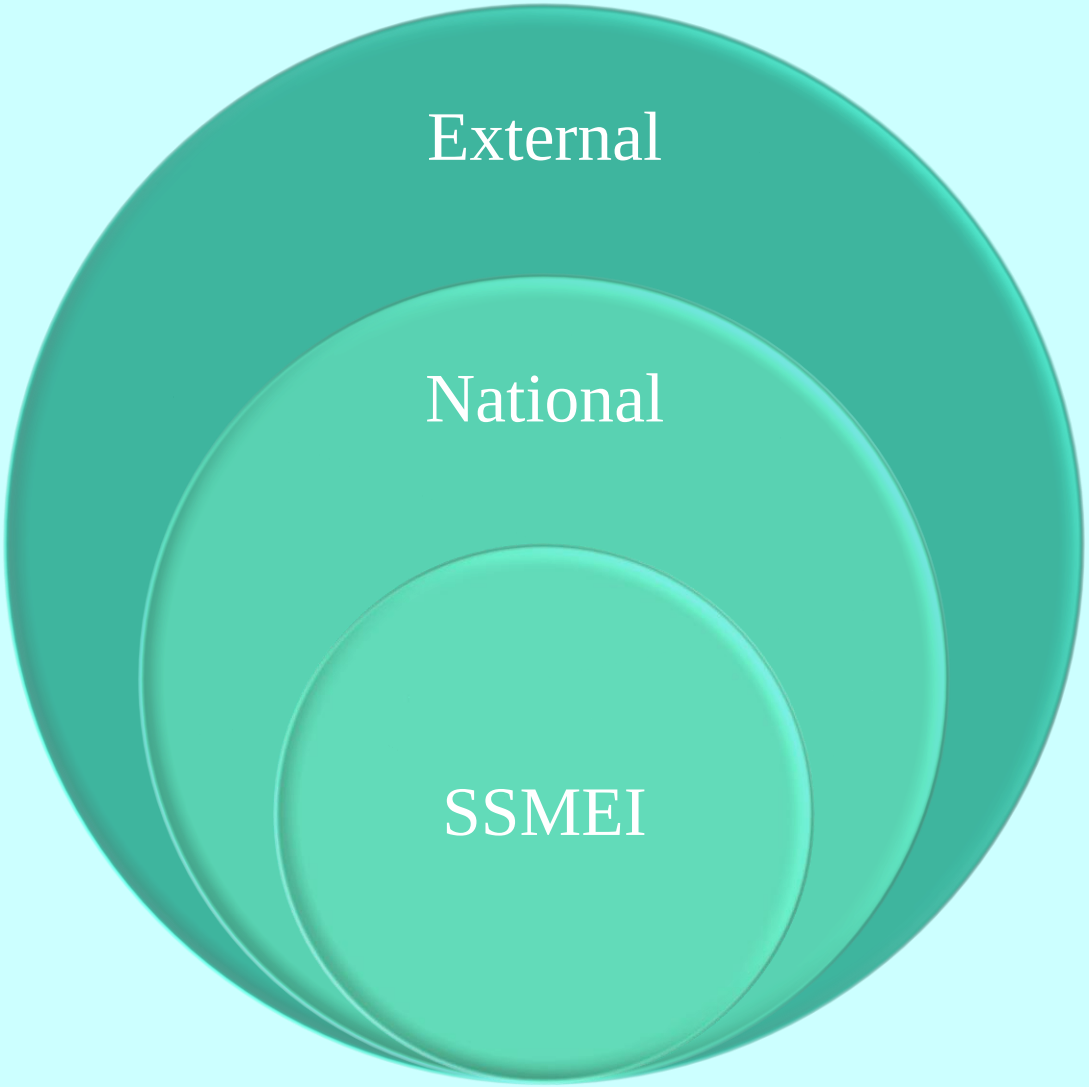
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- Shetland & Clyde Pilot
- Strategic Marine Spatial Plans

- Sound of Mull
- Local Marine Spatial Plan

- Berwickshire
- Implementation


External
National
Regional/
Local


External
National
SSMEI

SSMEI CLYDE PILOT

Started July 2006

The Tidal Extents of the Clyde

- 620 miles/ 1,000 km of Coastline
- 1,410 miles^2/3,650 km^2 of sea



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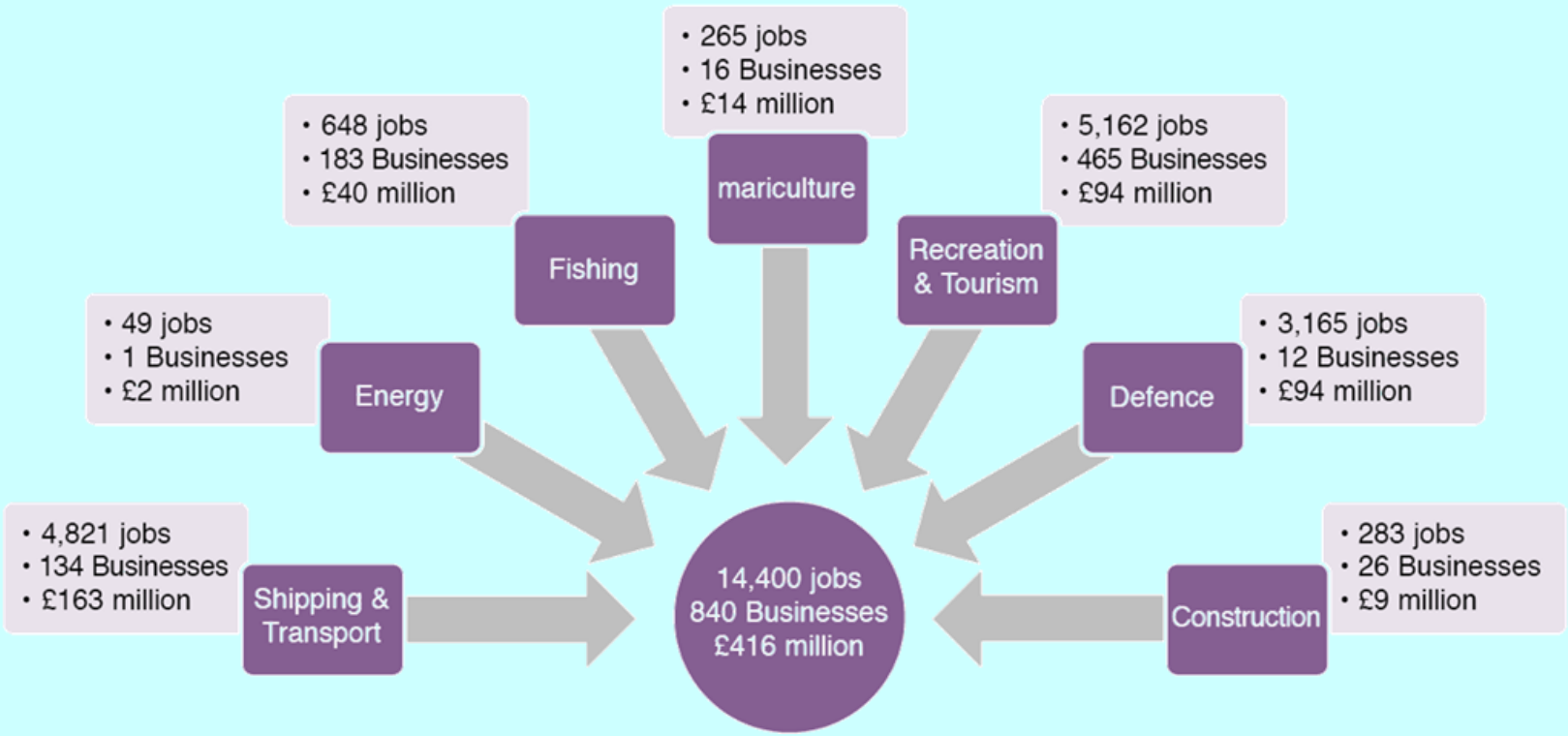






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• 265 jobs
• 16 Businesses
• £14 million
• 648 jobs
• 183 Businesses
• £40 million
mariculture
• 5,162 jobs
• 465 Businesses
• £94 million
Fishing
Recreation & Tourism
• 49 jobs
• 1 Businesses
• £2 million
Energy
Defence
• 3,165 jobs
• 12 Businesses
• £94 million
• 4,821 jobs
• 134 Businesses
• £163 million
Shipping & Transport
14,400 jobs
840 Businesses
£416 million
Construction
• 283 jobs
• 26 Businesses
• £9 million

Long established partnership between stakeholders and regulators

Provides framework for strategic management

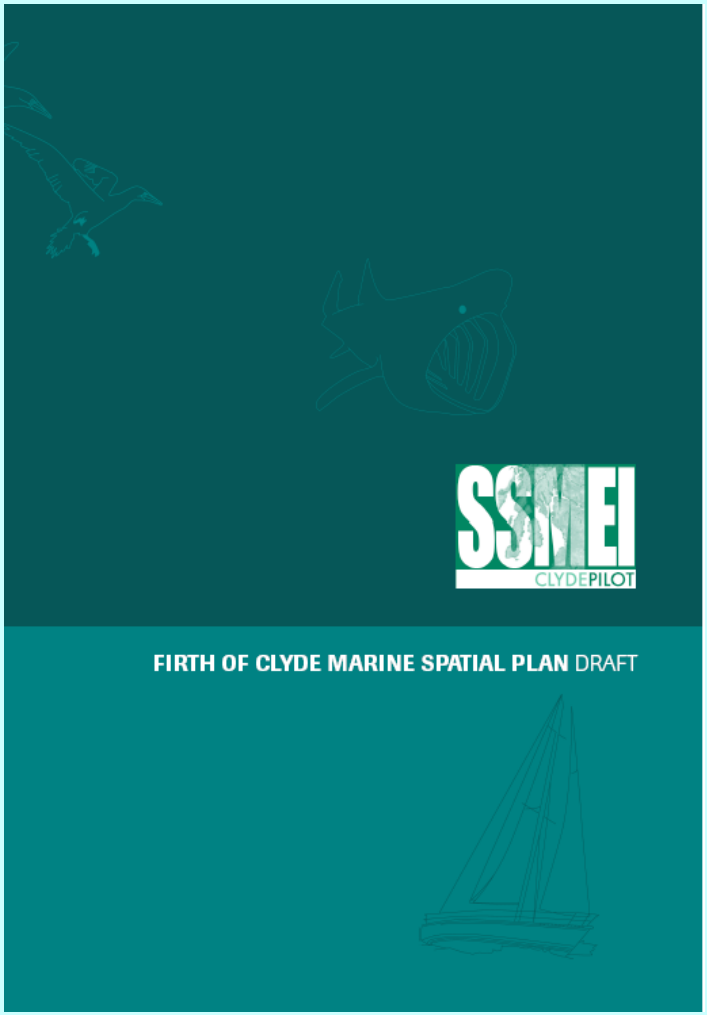
Promotes integrated approach to the sustainable use of resources

SSMEI Clyde Pilot provides an example of a Local Coastal Partnership delivering a Marine Spatial Plan



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CLYDEPILOT

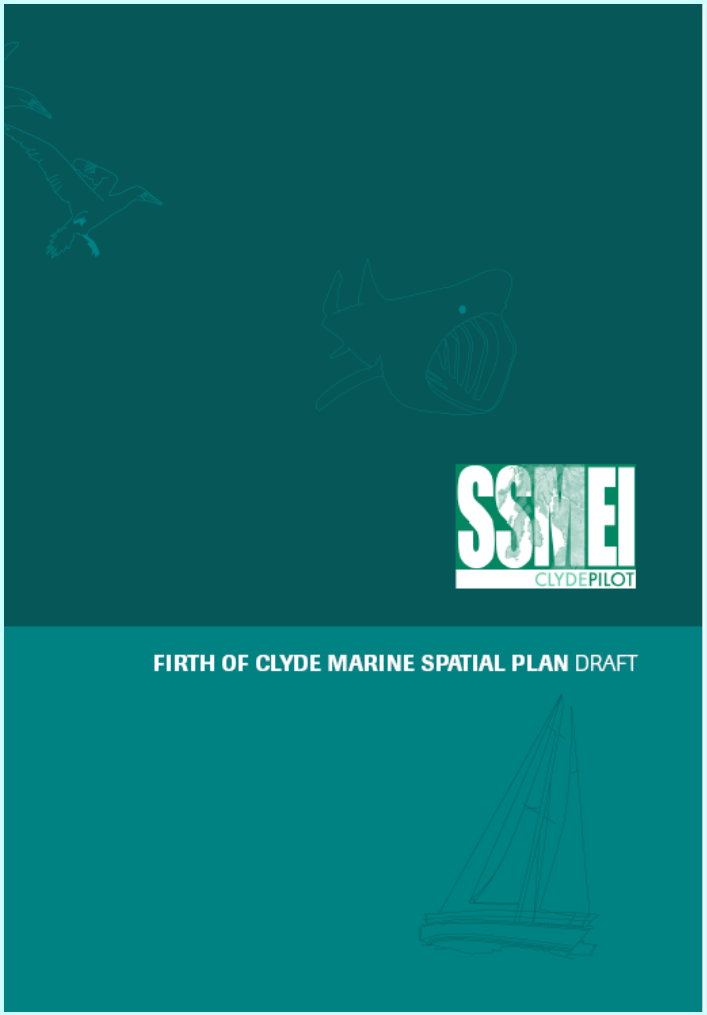
Draft Firth of Clyde Marine Spatial Plan



Our 20 Year Vision

"The Firth of Clyde will have a healthy marine and coastal environment, rich in biodiversity and natural resources. This will enhance the quality of life for local communities and contribute to a diverse and sustainable economy for the West of Scotland"

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- Background and Context
- The Framework
- Crosscutting Policy Themes
- Sectoral Plans
- Implementation and Monitoring

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- Ecosystem Approach – Applied to the FoCMSP
- Landscape/Seascape Assessment: Firth of Clyde
- The Process of Developing a Seabed Habitat Map for the Firth of Clyde
- Review of Biodiversity for Marine Spatial Planning Within the Firth of Clyde
- Sectoral Interactions in the Firth of Clyde
- Socioeconomic Review
- State of the Clyde Report
- Strategic Environmental Assessment: Environment Report – Consultative Draft
- Sectoral Workshop Reports

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Review of Biodiversity

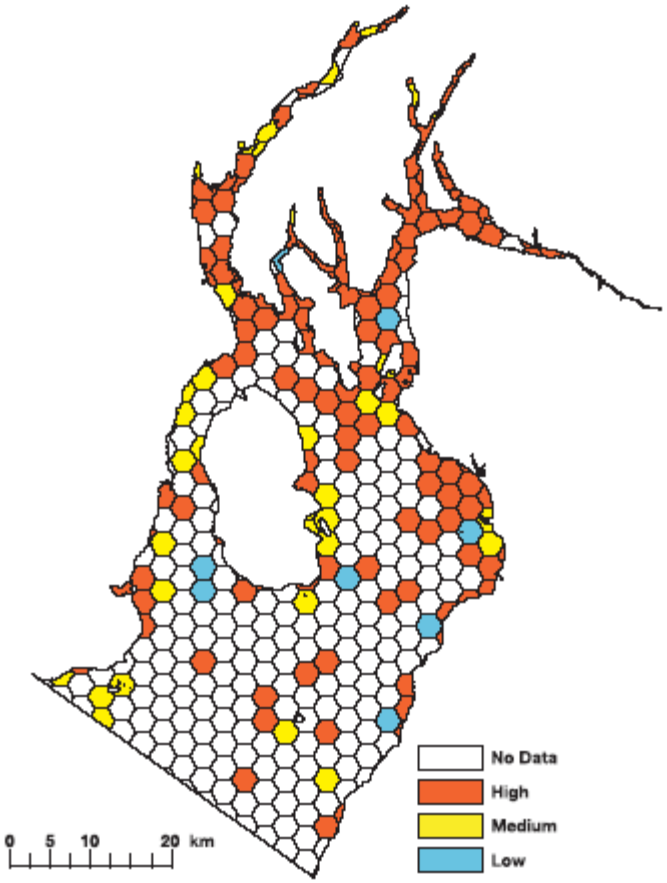


Diagram 7. The spatial distribution of data by quality across the Firth of Clyde for species sample data.

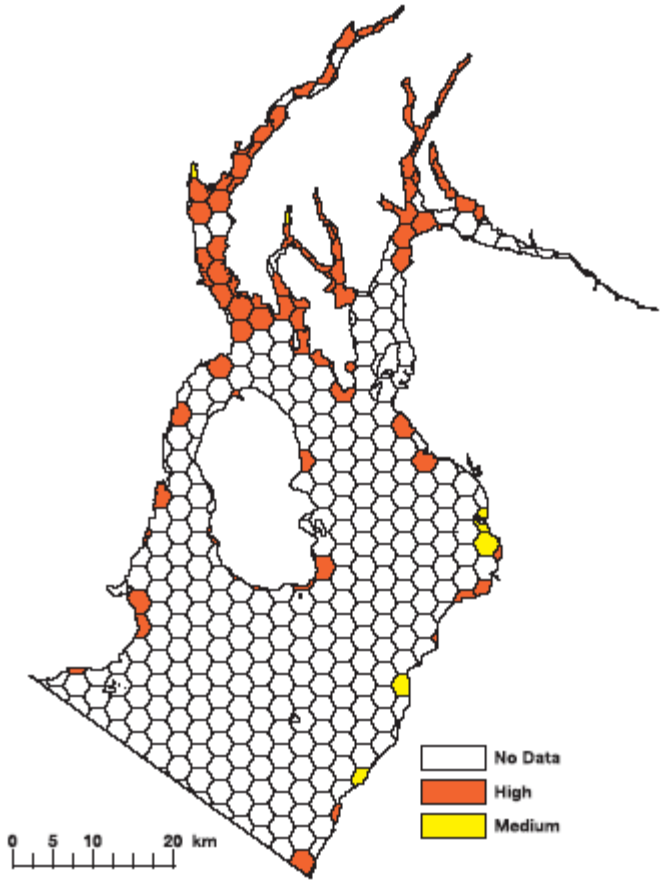
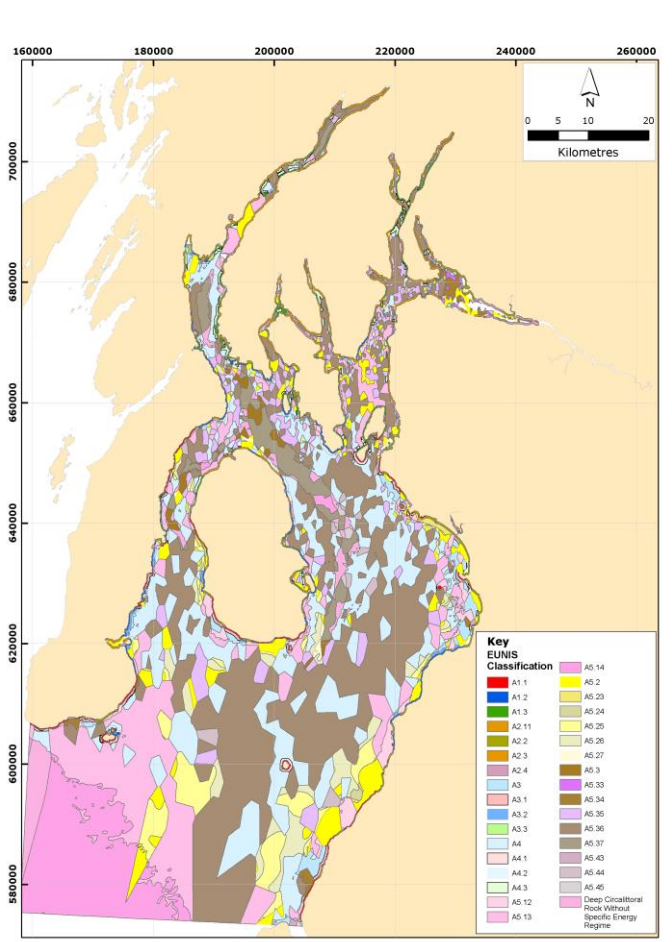


Diagram 8. The spatial distribution of data by quality across the Firth of Clyde for habitat sample data.

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Seabed Habitat Map



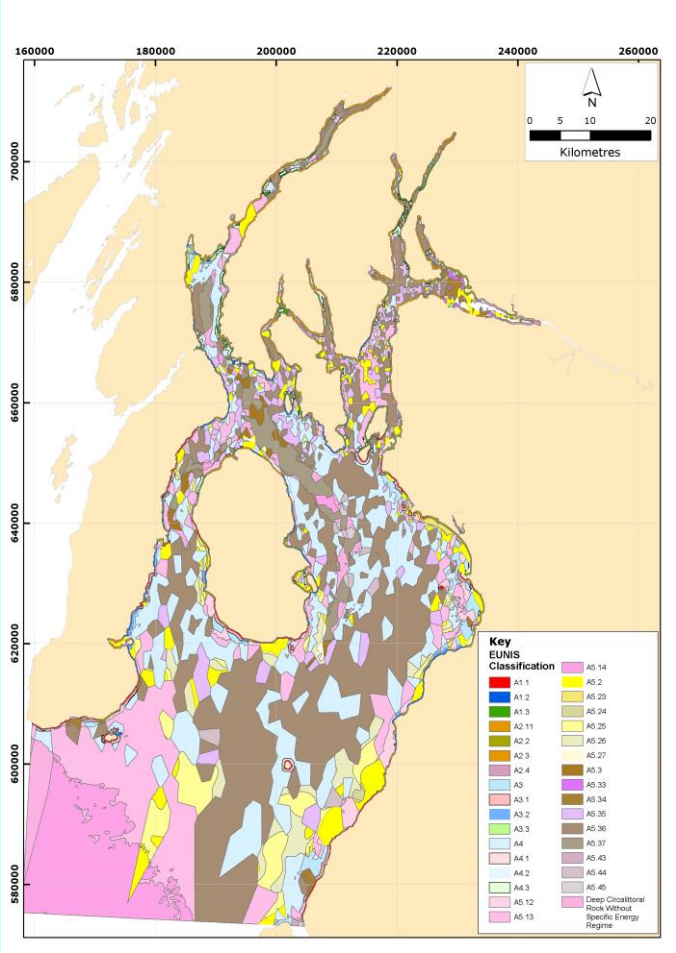
Key to implementing an ecosystem based approach to spatial planning and management is identifying "what is where"

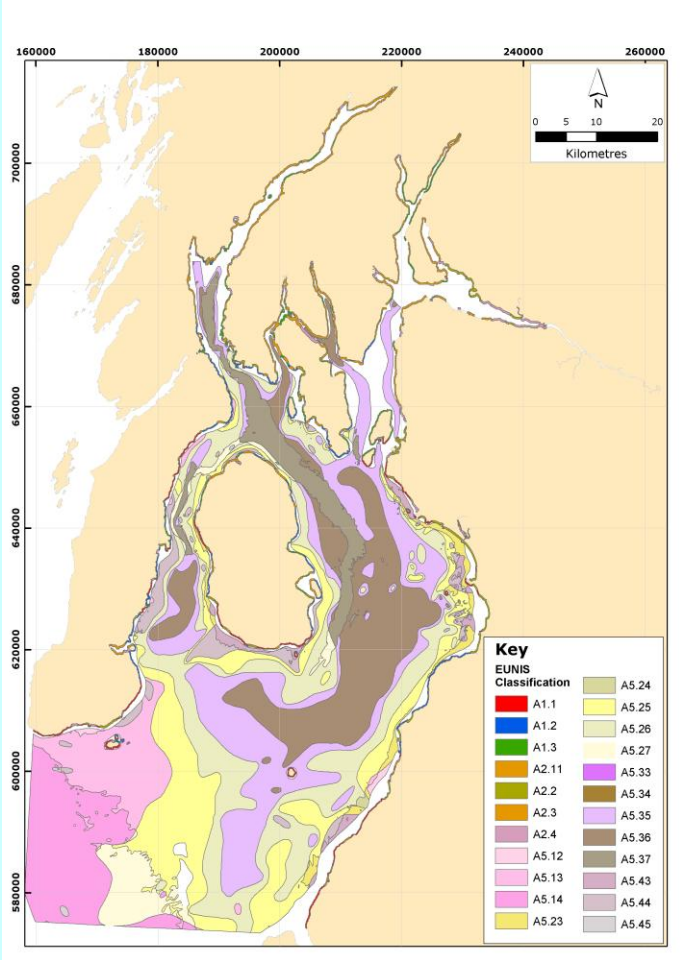
Surveying expensive

Indicative modelling using existing datasets:

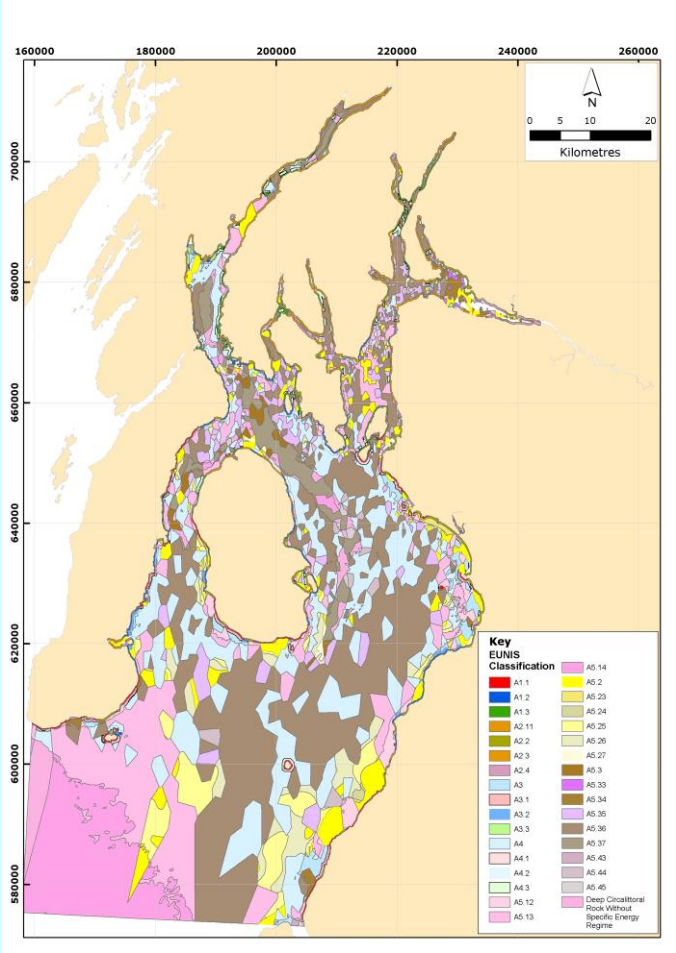
- Height and Bathymetry
- Seabed Type
- Biology
- Energy Regime
- Salinity

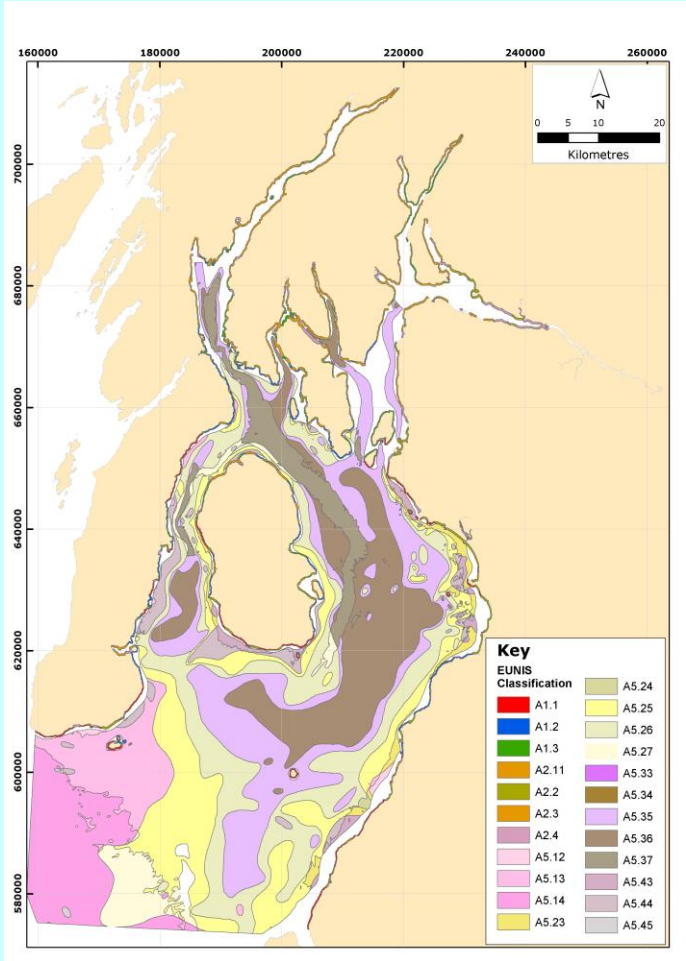
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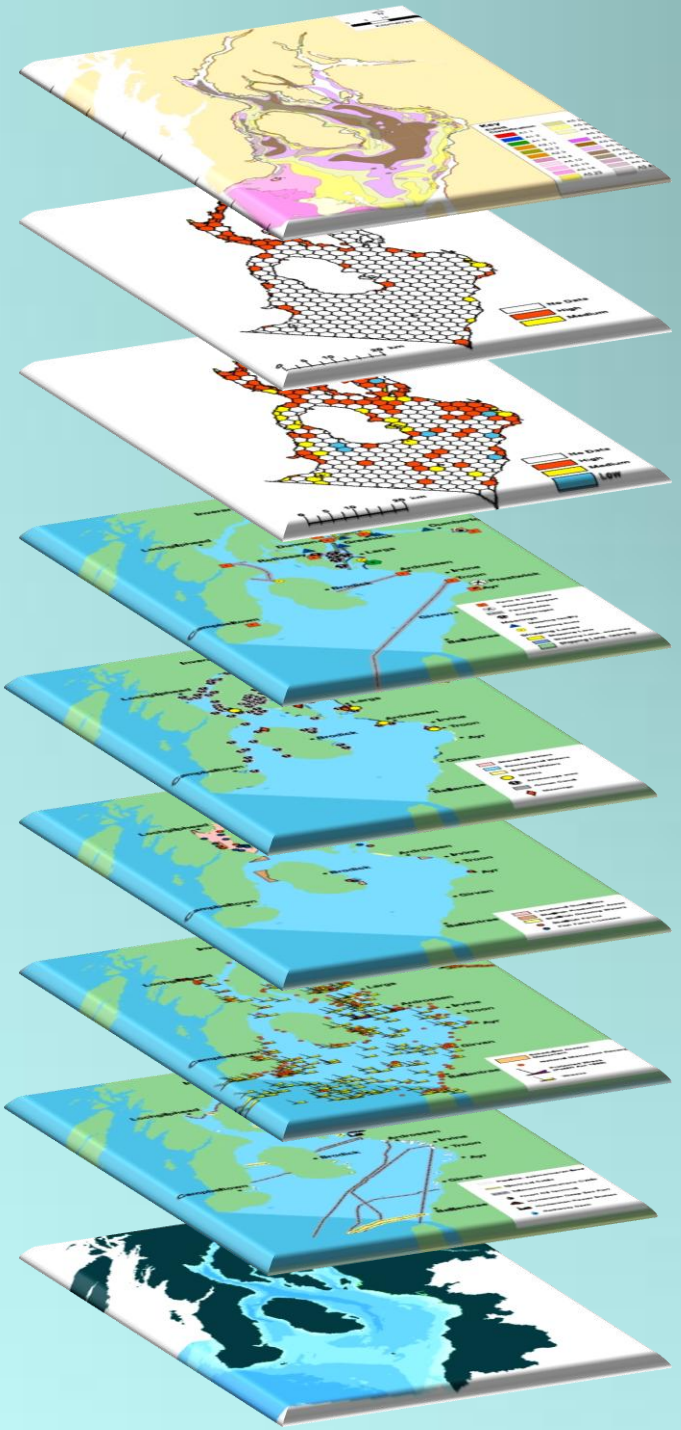
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Seazone Dataset

BGS Dataset



Indicative Seabed Habitat Map

Habitat Data

Species Data

Recreation & Tourism Infrastructure

Shipping & Transport Infrastructure

Mariculture Designations & Locations

Historic Heritage Features

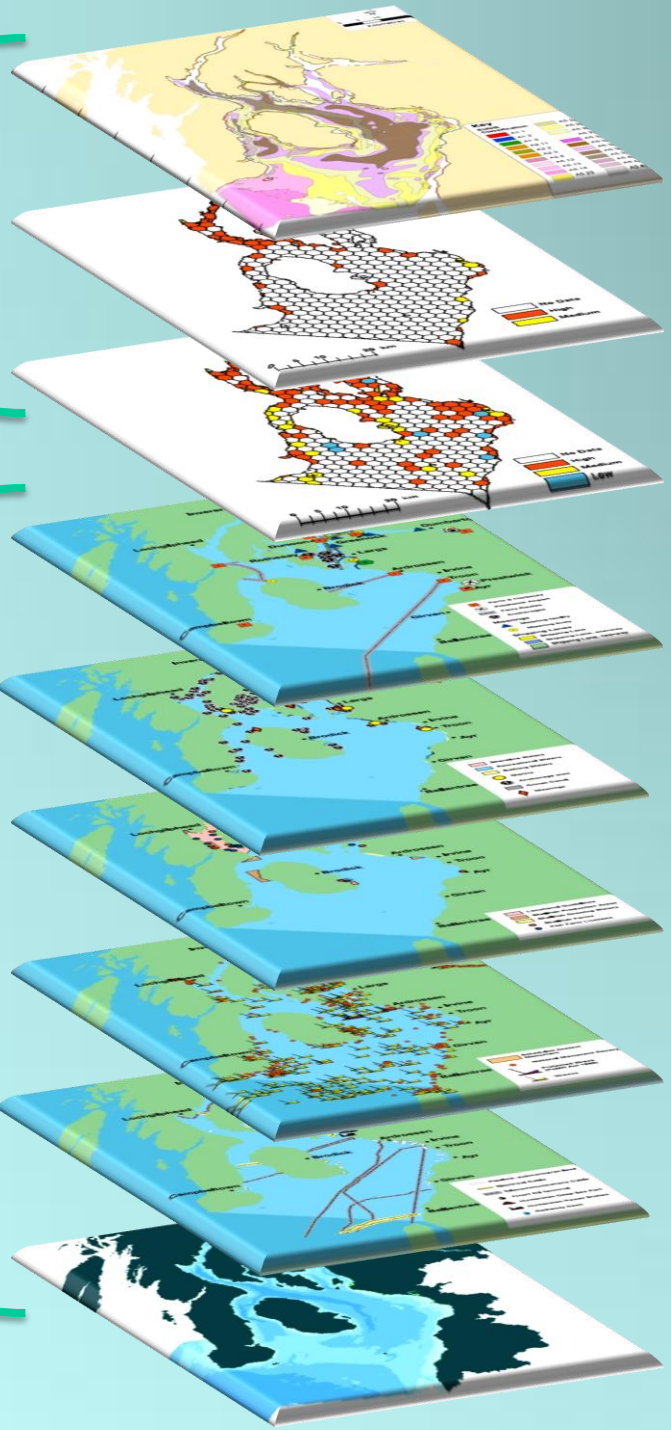
Energy and Subsea Infrastructure

Bathymetry

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Projects

External Datasets



Indicative Seabed Habitat Map

Habitat Data

Species Data

Recreation & Tourism Infrastructure

Shipping & Transport Infrastructure

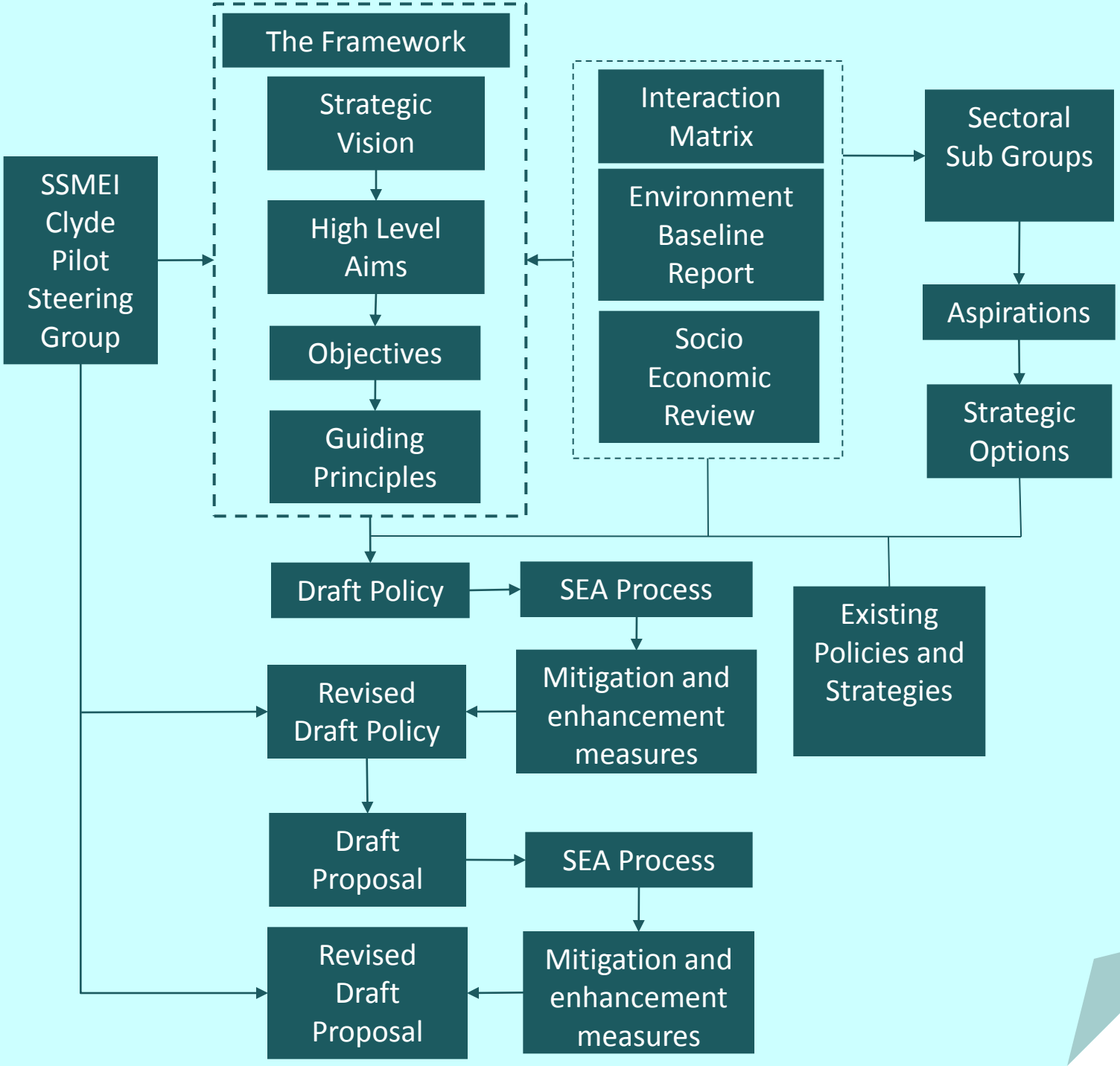
Mariculture Designations & Locations

Historic Heritage Features

Energy and Subsea Infrastructure

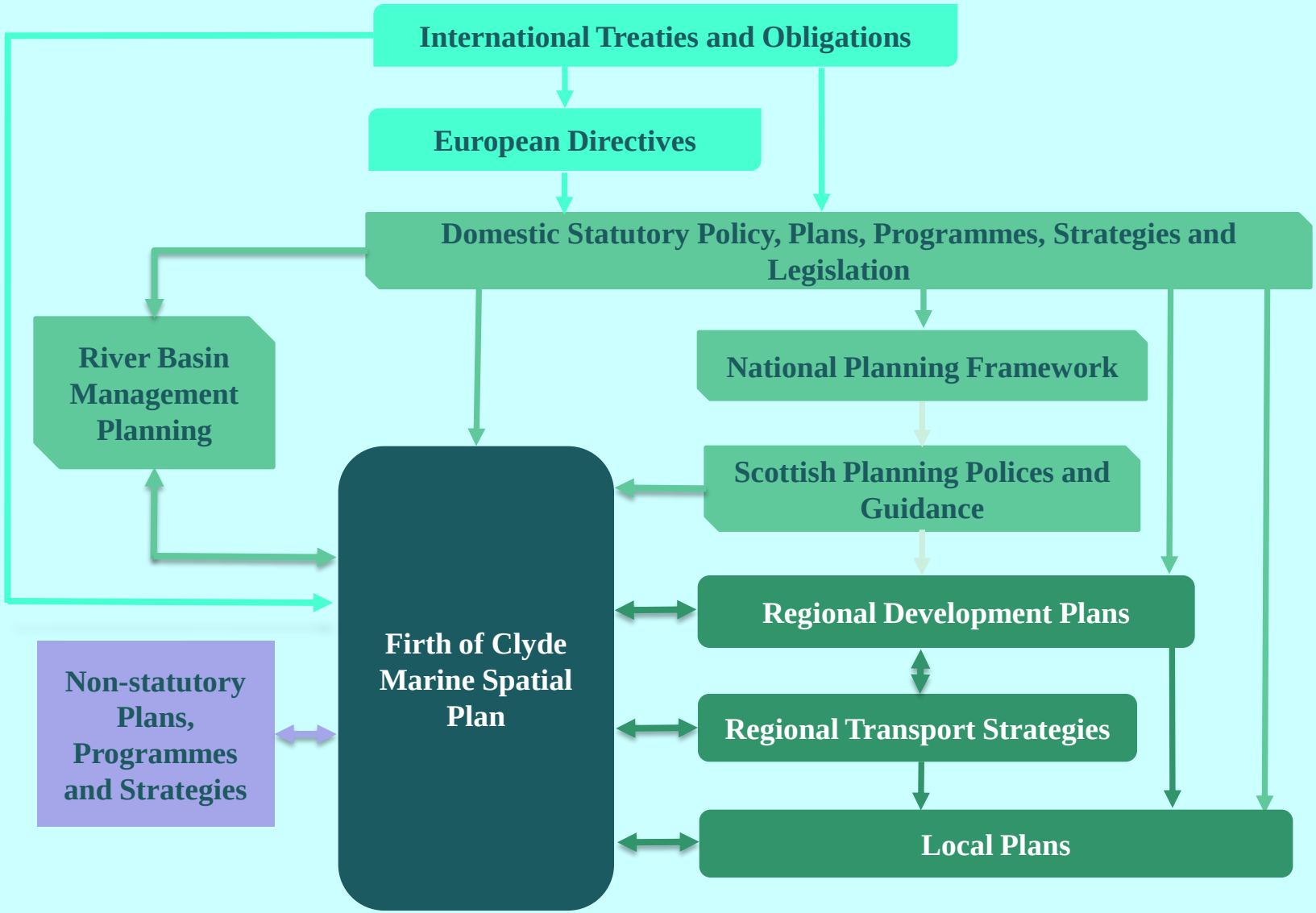
Bathymetry

SSMEI CLYDEPILOT

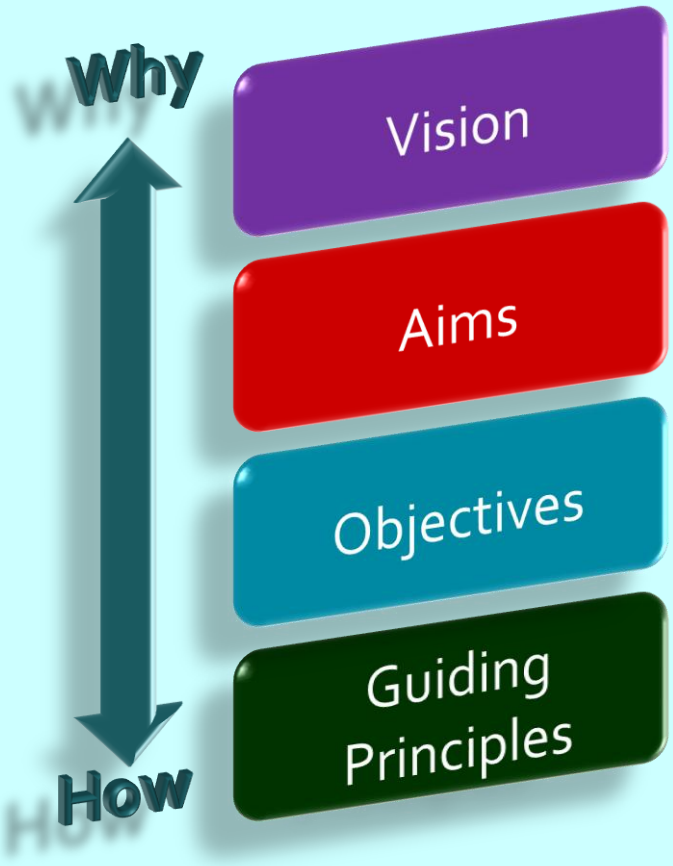

The Framework
Strategic Vision
High Level Aims
Objectives
Guiding Principles
SSMEI Clyde Pilot Steering Group
Interaction Matrix
Environment Baseline Report
Socio Economic Review
Sectoral Sub Groups
Aspirations
Strategic Options
Draft Policy
SEA Process
Mitigation and enhancement measures
Revised Draft Policy
Existing Policies and Strategies
Draft Proposal
SEA Process
Mitigation and enhancement measures
Revised Draft Proposal

- Argyll & Bute Council
- Ayrshire Joint Planning Steering Group
- British Marine Industries Federation, Scotland
- Caledonian Maritime Assets Limited
- CalMac Ferries Ltd
- Clyde Fisheries Development Project
- Clyde Fisherman's Association
- Clydeport Harbour Master
- Clydeport Operations Limited
- Firth of Clyde Forum
- FRS Marine Laboratory
- Glasgow and the Clyde Valley Strategic Development Planning Authority
- Glasgow City Council
- Historic Scotland
- HMNB Clyde
- Lighthouse Caledonia Ltd
- Queen's Harbour Master Clyde
- Royal Society for the Protection of Birds
- Royal Yachting Association Scotland
- Scottish Coastal Forum
- Scottish Creelers and Divers (SCAD)
- Scottish Enterprise
- Scottish Government Marine Management Division
- SEPA
- SNH
- Strathclyde Passenger Transport
- The Crown Estate
- University Marine Biological Station

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- Background and Context
- The Framework
- Crosscutting Policy Themes
- Sectoral Plans
- Implementation and Monitoring

Environment

Communities

Heritage

Safety

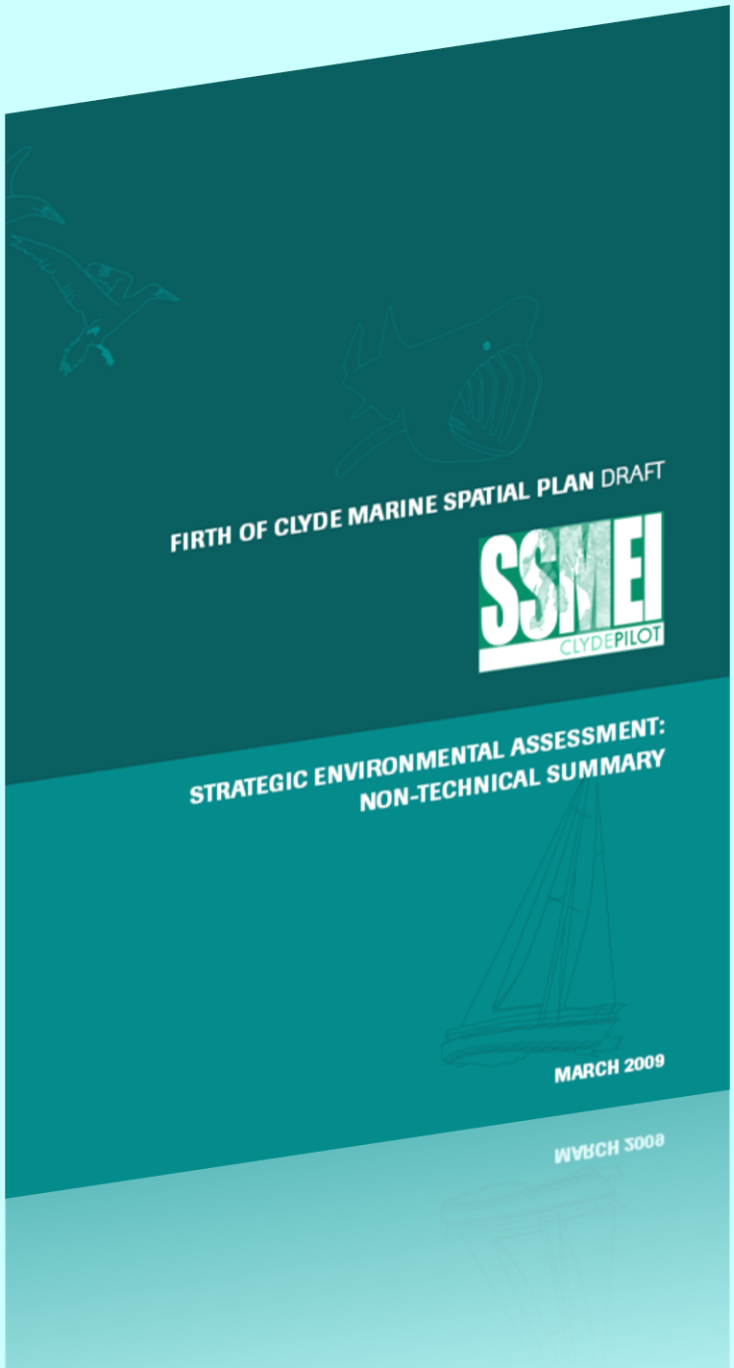
- Background and Context
- The Framework
- Crosscutting Policy Themes
- Sectoral Plans
- Implementation and Monitoring

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Strategic Environmental Assessment

	Amenity[1]	Water Quality[2]	Health, Communities and Heritage	Biodiversity, Fauna and Flora	Other: carbon emissions
SEA					
Mitigation and Enhancement	R&T6 ENV9 ENV10 ENV11	R&T4 R&T5	R&T8 COM1 COM3 HER1	R&T6/ENV6 ENV1 ENV2 ENV3 ENV4 ENV5 ENV7	

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Recreation and Tourism

Shipping and Transport

Mariculture

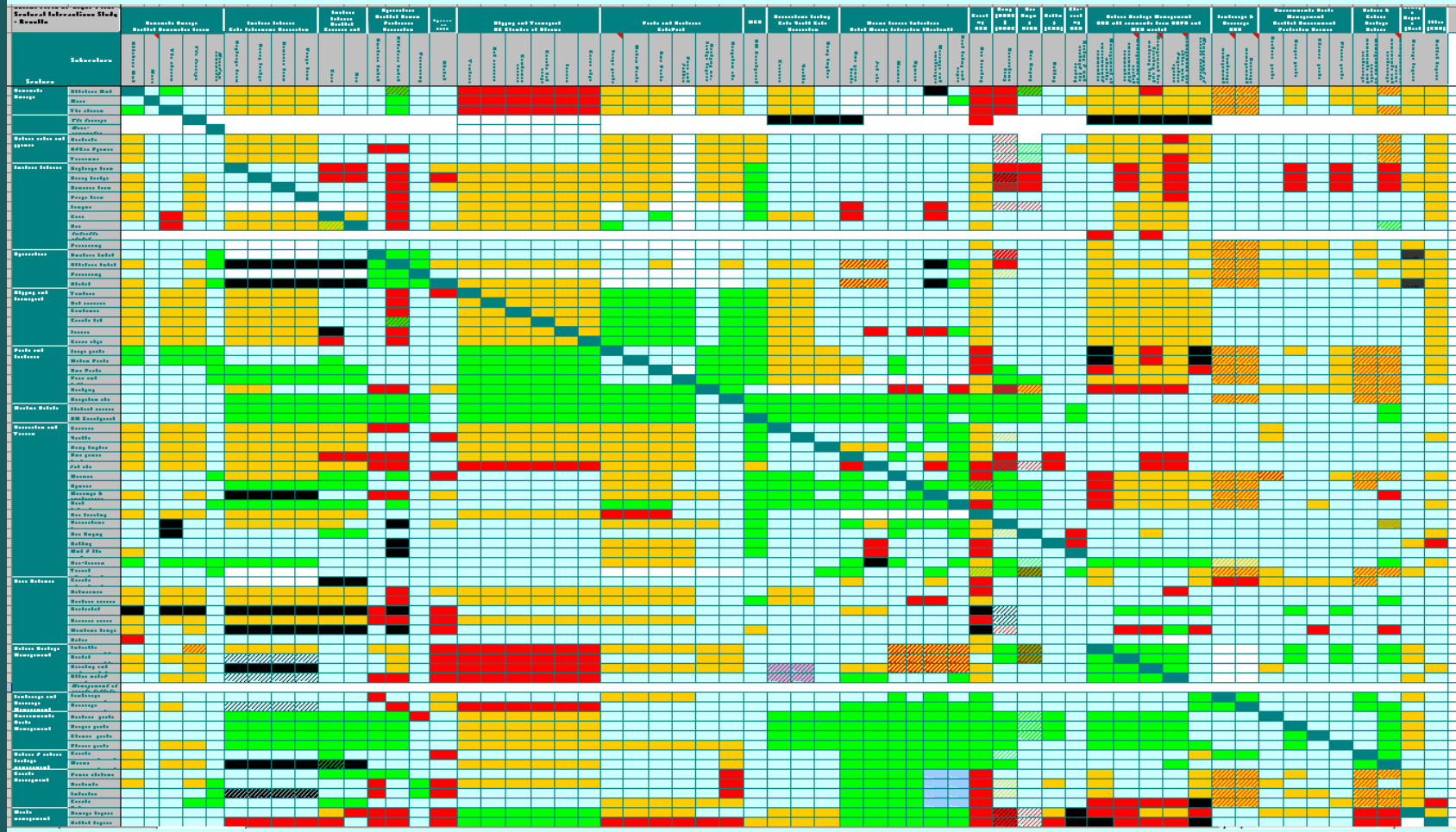
Fishing

Energy and Subsea Infrastructure

- Background and Context
- The Framework
- Crosscutting Policy Themes
- Sectoral Plans
- Implementation and Monitoring

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Interaction Matrix



CLYDEPILOT

Interactions With Other Sectors

	Energy	Fishing	Mariculture	Recreation & Tourism	Shipping & Transport	Other
Shipping & Transport	Navigation	Navigation & Safety	Safety (access to sheltered waters) Pollution	Navigation & Safety Resource competition (berthing space)	Navigation & Safety	Navigation & Safety (naval craft)
	Infra-structure	Safety (wash) Infra-structure		Safety (wash) Resource damage (dredging) Safety (jet skis)		Navigation (coastal lighting) Equip. damage & Safety (marine litter)
Relevant Policies	S&T1 S&T4 ESC&P3	FISH1 FISH2	ENV7 S&T6 S&T7 MAR1 MAR2	S1 R&T6 S&T7		ENV10 S1

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Voluntary plan

Stakeholder-regulator partnership

Model implementation body

Incorporated as supplementary planning guidance

A material consideration in the planning consent process

Proposed Action Plan

- Background and Context
- The Framework
- Crosscutting Policy Themes
- Sectoral Plans
- Implementation and Monitoring

No.	Policy	Proposal	Potential Partners	Target Delivery
1	ENV1	Develop a strategy for the coordinated gathering and recording of data in the Firth of Clyde	FoCF SNH SEPA Marine Scotland	2011
5	ENV4	Develop a suite of pressure/ sensitivity indicators	SNH SEPA Marine Scotland	2011
8	ENV10	Carry out a seascape/landscape analysis of the Firth of Clyde	SNH Planning Authorities	2011
10	ENV11	Develop a coordinated marine litter strategy for the Firth of Clyde	FoCF SNH SEPA Local Authorities Marine Scotland	2014

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No.	Policy	Proposal	Potential Partners	Target Delivery
13	R&T2	Shoreside access and infrastructure audit	FoCF Local Authorities Marine Recreation Users	2012
14	R&T2	Capacity analysis for marine recreation activities	FoCF Local Authorities Marine Recreation Users	2012
15	R&T2	Develop a coordinated strategy for shoreside infrastructure improvements and maintenance	FoCF Local Authorities	2013

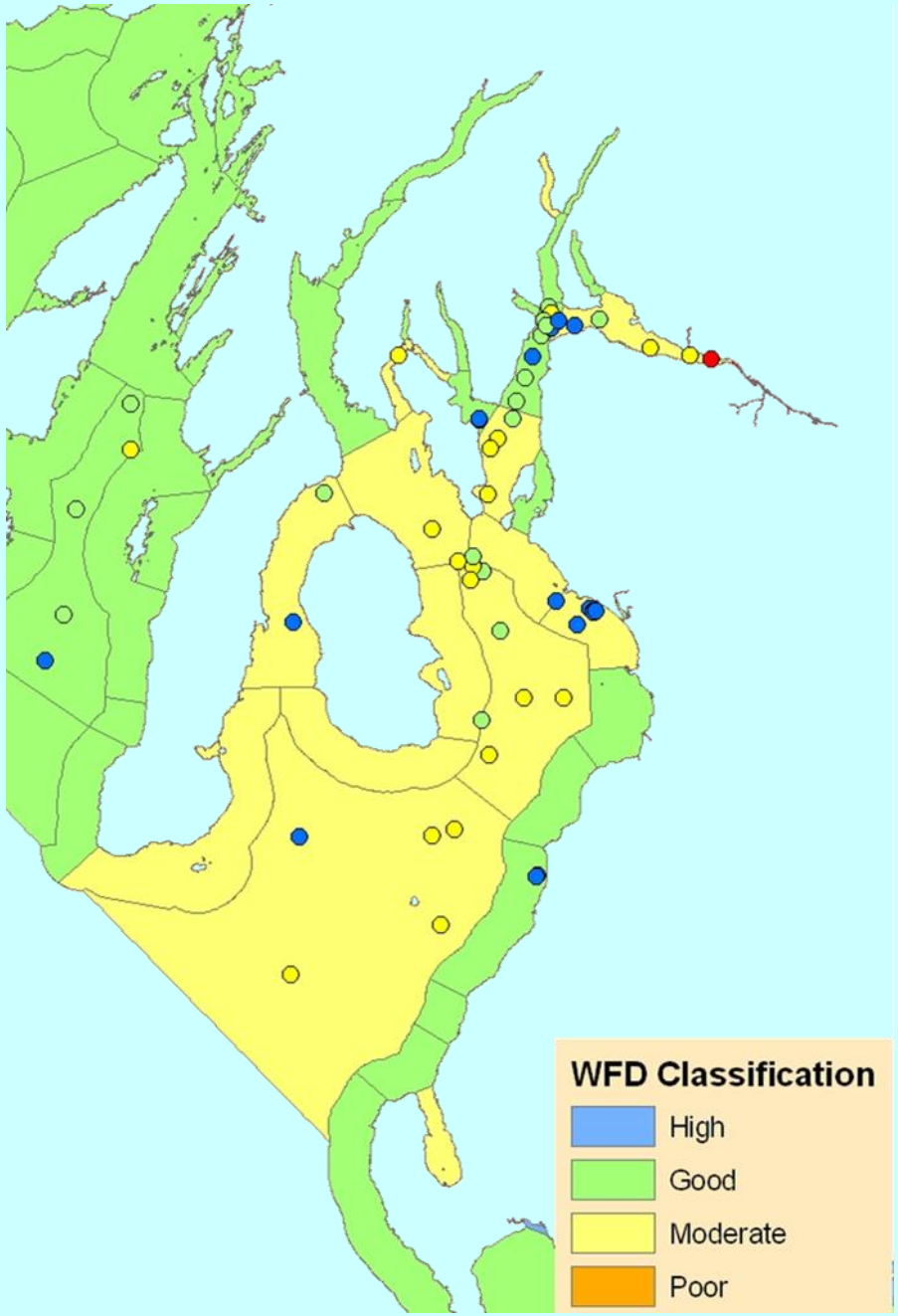
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No.	Policy	Proposal	Potential Partners	Target Delivery
21	MAR1	Carry out a landscape capacity study	FoCF SNH	2011
22	MAR1	Socioeconomic review	FoCF Scottish Enterprise Highlands and Islands Enterprise	2011
23	MAR2	Develop an integrated mariculture strategy	FoCF SNH SEPA Marine Scotland Local Authorities	2013

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No.	Policy	Proposal	Potential Partners	Target Delivery
24	FISH1	Map fishing grounds which are sensitive to other marine activities	Clyde IFG SNH Marine Scotland FoCF	2011
26	FISH2	Develop a strategic plan to deliver new and improve existing infrastructure	Clyde IFG Local Authorities Ports Transport Scotland	2013
28	FISH4	Carry out a study on the impacts of fishing to the marine environment	SEPA SNH Marine Scotland Clyde IFG	2012

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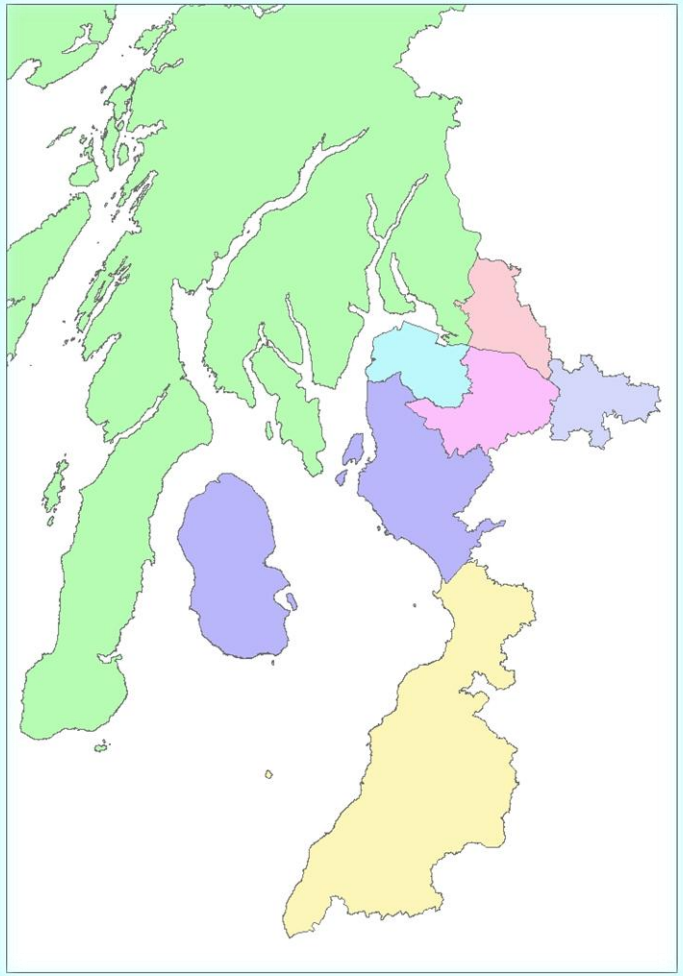
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THE MAIN LESSONS LEARNED SO FAR

There is a need and desire for a co-ordinated system of marine planning in Scotland.

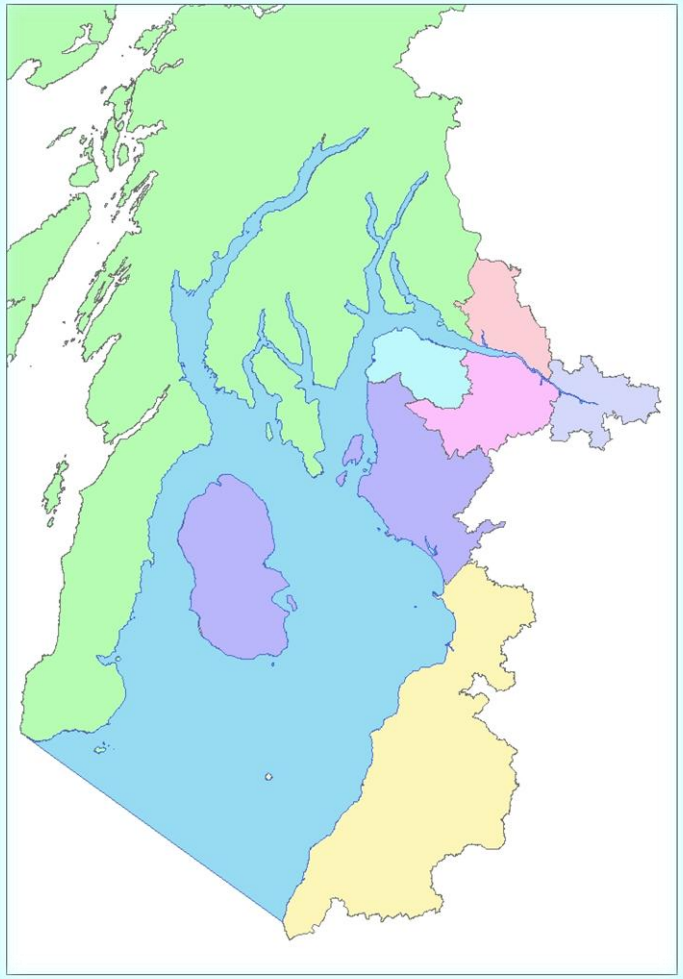
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There is a need and desire for a co-ordinated system of marine planning in Scotland.



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There is a need and desire for a co-ordinated system of marine planning in Scotland.



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We have large gaps in our knowledge of the marine environment

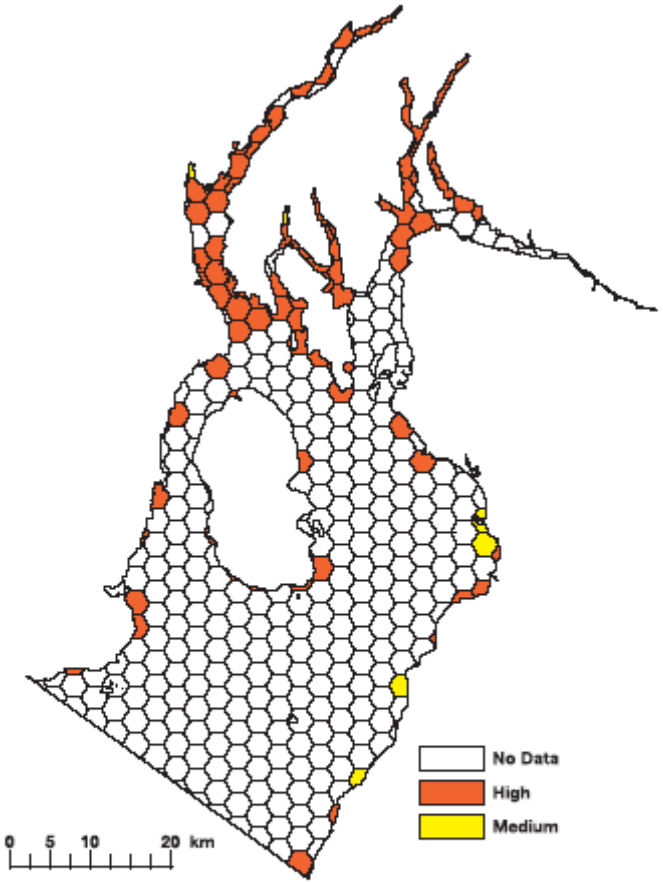
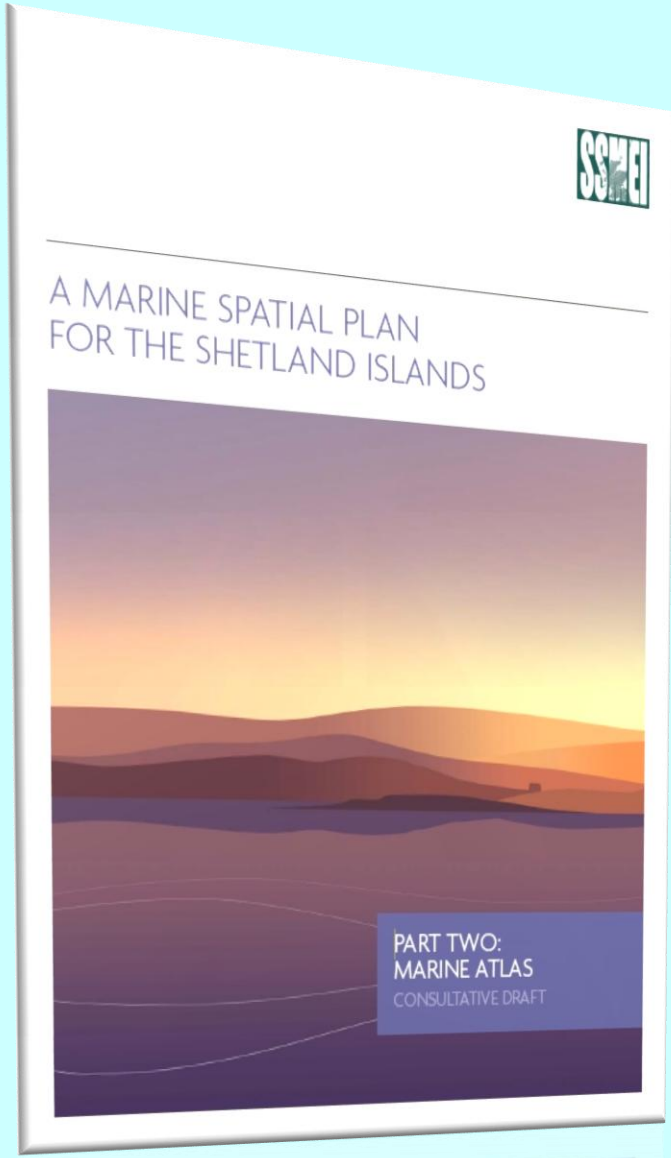


Diagram 8. The spatial distribution of data by quality across the Firth of Clyde for habitat sample data.

The process and outputs of bringing together marine information in one place are in themselves beneficial to developers, regulators and other stakeholders.



While there is potential for conflict between different marine activities, this is substantially managed through a wide range of local, national and international mechanisms.



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The processes need to evolve to enable the streamlining of consents.

Terrestrial Wind Farm

- Section 36 consent under the 1989 Electricity Act
- EIA under Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2000 (SSI 2000/320)
- Planing Consent from LA
- Lease from Landowner
- Representation from RAF

Marine Wind Farm

- Section 36 consent under the 1989 Electricity Act
- EIA under Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2000 (SSI 2000/320)
- FEPA
- Crown Estate LIcense
- Section 34 of the 1949 Coast Protection Act

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Marine Planning should be delivered through a statutory process to provide an underpinning framework for the delivery of consenting procedures in the marine environment.







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Flood Risk Management (Scotland) Act 2009
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