



EMODNET Roadmap

Iain Shepherd
European Commission

MarineERA
12-13 February 2009 1/15



why data is underused

- Discovery of Data.
 - Especially difficult outside your own community
- Access to data.
 - Confidentiality
 - Desire of owners to exploit added-value themselves
- Use of data.
 - Often restricted to “research”
- Cost of data.
 - Landsat fiasco
- Coherence of Data.
 - Especially cross-disciplinary and cross-border
- Quality of Data.
 - Data unaccompanied by precision estimates is useless
- Quantity of Data.
 - Are we undersampling?



Design Principle 1

- collect data once and share it many times.
 - especially if paid by public money that is funding the collection of data,
 - does not of course obviate the need for confirmatory measurements.



Design Principle 2

- develop interoperable standards
 - between different disciplines as well as within communities
 - respect the provisions of INSPIRE implementation rules



Design Principle 3

- focus on sea-basins
 - process at laboratory level, national level, sea-basin level, European level
 - European level connected to sea-basin level



Design Principle 4

- Requires sustainable funding at EU level
 - national bodies do not have the mandate or resources to move forward on their own
 - concrete progress so far prompted and funded by the EU through its research or regional development programmes.
 - few of these initiatives continued after the end of the project.
 - EMODNET cannot be set up by a single burst of activity and left to the marine community to maintain.
 - Only the EU has the legal and financial muscle to do this.



Design Principle 5

- Build on existing structures
 - Eurogeosurveys links the national geological surveys
 - nearly all the EU's hydrographic offices are Members of the International Organisation.
 - efforts by regional sea conventions to collect pollution data on a maritime basin scale.
 - EuroGOOS aims at establishing a concerted European approach to operational oceanography
 - allow EMODNET to profit from the expertise and organisation that has been developed



Design Principle 6

- user driven
 - need to develop feedback mechanisms
 - define priorities



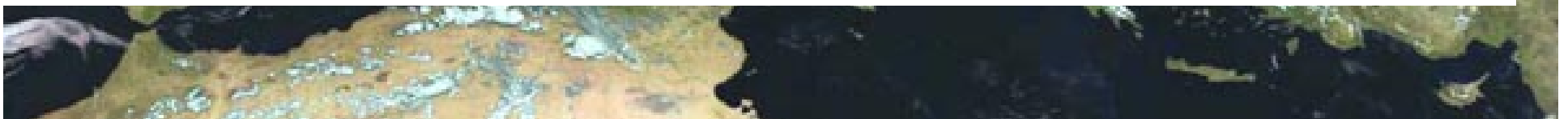
Design Principle 7

- clarify ownership, accuracy and precision
 - data should be accompanied by a statement concerning ownership, rights of use, precision and accuracy
 - allows recognition of data providers



Design Principle 8

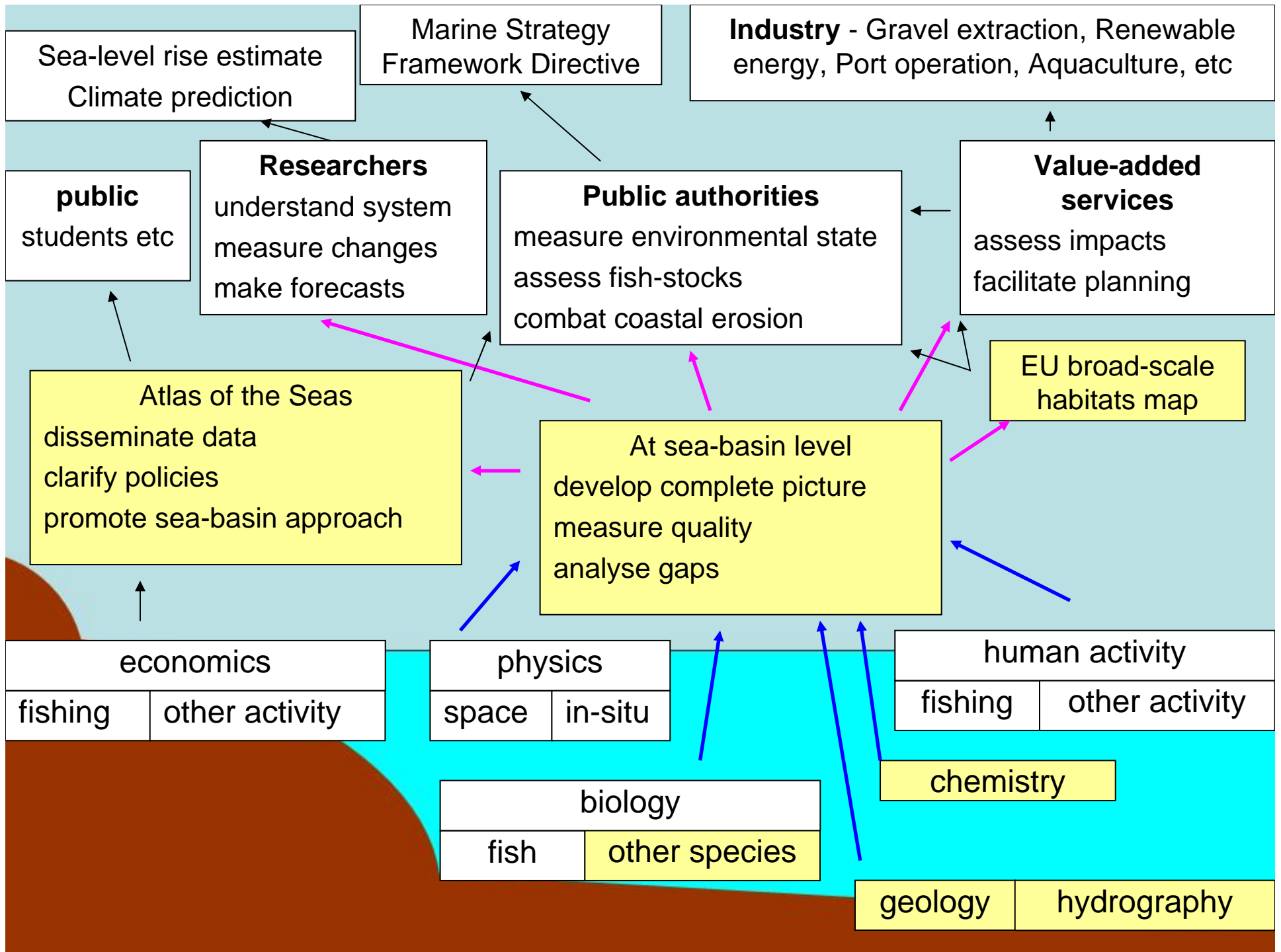
- freedom of use for publicly funded data
 - conditions of use remain prerogative of owner
 - need to move cautiously
 - a number of organisations in the public domain – particularly in geology and hydrography - are concerned that the loss of income from data sales might limit their ability to process and archive data.
 - nevertheless the charging for data for commercial use is a brake on innovation without bringing a net gain in benefits for society





Preparatory Actions €4,250,000

- develop, test, operate and maintain portals allowing public access and viewing of these data
- monitor and report on the effectiveness of the system
- analyse what further steps need to be taken
- keep the portal operational afterwards and be prepared to transfer to the Commission.





relationship with other initiatives

- important that the public understands that each initiative is not independent but part of a carefully thought-out overall Commission strategy
 - GMES
 - SEIS
 - Networks of Excellence
 - [fisheries] Data Collection Regulation
 - Maritime Spatial Planning

ID	Task Name	2009				2010				2011				2012				2013				2014			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	operational phases	[Solid black bar]																							
2	pre-emodnet	[Blue hatched bar]																							
3	ur-EMODNET					[Blue hatched bar]				[Blue hatched bar]				[Blue hatched bar]											
4	EMODNET																	[Blue hatched bar]							
5	Planning	[Solid black bar]																							
6	develop links with cohesion policy	[Blue hatched bar]																							
7	develop links with fisheries policy	[Blue hatched bar]																							
8	develop links with research infrastructure	[Blue hatched bar]																							
9	Action Plan adopted					23/11																			
10	preparatory actions batch 1	[Solid black bar]				[Solid black bar]				[Solid black bar]															
11	hydrography	[Blue hatched bar]				[Blue hatched bar]				[Blue hatched bar]				[Blue hatched bar]											
12	geology	[Blue hatched bar]				[Blue hatched bar]				[Blue hatched bar]				[Blue hatched bar]											
13	chemistry	[Blue hatched bar]				[Blue hatched bar]				[Blue hatched bar]				[Blue hatched bar]											
14	biology	[Blue hatched bar]				[Blue hatched bar]				[Blue hatched bar]				[Blue hatched bar]											
15	broad-scale habitats	[Blue hatched bar]				[Blue hatched bar]				[Blue hatched bar]				[Blue hatched bar]											
16	data available					[Solid black bar]				[Solid black bar]				[Solid black bar]											
17	for Atlas of Seas					[Blue hatched bar]				[Blue hatched bar]				[Blue hatched bar]											
18	for Marine Strategy Directive and GI									[Blue hatched bar]				[Blue hatched bar]											
19	preparatory actions batch 2					[Solid black bar]				[Solid black bar]				[Solid black bar]											
20	human activity (spatial planning)					[Blue hatched bar]				[Blue hatched bar]				[Blue hatched bar]											
21	sea-bed mapping					[Blue hatched bar]				[Blue hatched bar]				[Blue hatched bar]											
22	preparatory actions batch 3									[Blue hatched bar]				[Blue hatched bar]											
23	impact assessment	[Solid black bar]																							
24	study on cost of marine data	[Blue hatched bar]																							
25	report to impact assessment board					23/06																			



Monitoring and evaluation

- Roadmap is not a blueprint. Rather it outlines a set of principles, an approach and a timetable for reaching a desired end.
- Monitored by
 - The Maritime Policy Member State Expert Group
 - and the Marine Observation and Data Expert
 - Other stakeholders – through the internet and at maritime events.
- Action Plan, end of 2009
 - Incorporate lessons learned and insights gained

