



"How to develop a stronger Europe of the sea?"

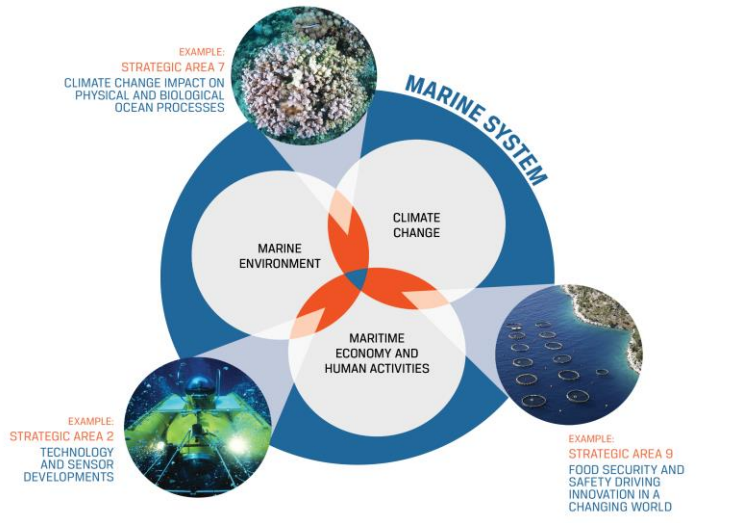
**Session I;
Towards sustainable Blue Growth
12th May 2015**

Kathrine Angell-Hansen

**JPI
OCEANS**

20 Participating countries
(+ Outermost regions)
EC non-voting member

3 Goals;

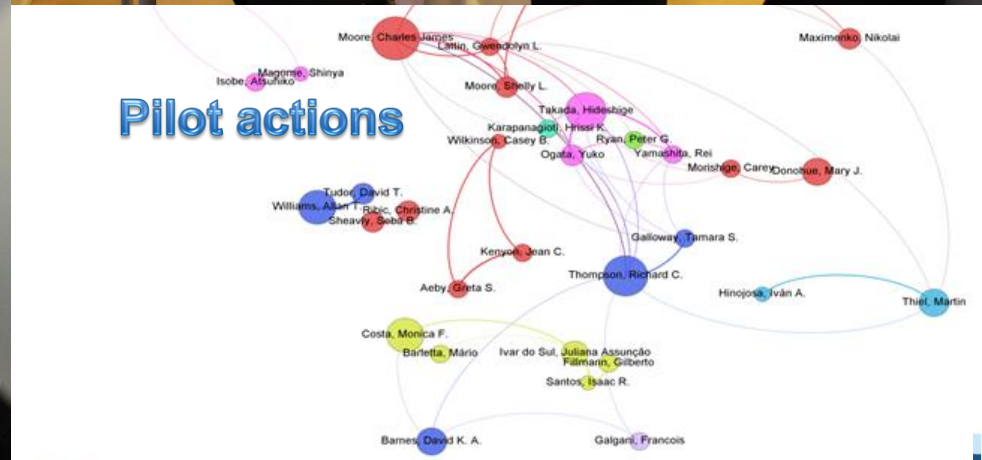


EU marine and maritime policies

A word cloud illustrating various EU marine and maritime policies. The words are arranged in a circular pattern, with 'Marine Framework Directive' being the most prominent. Other significant words include 'Energy Policy', 'Integrated mining', 'Strategy', 'Growth', 'Coastal', 'Innovation', 'Zone', 'Initiative', 'Management', 'Planning', 'sea', 'EU', 'policies', '20-20-20', 'Spatial', 'Fisheries', 'Blue', 'Common', 'Employment', 'Deep', and 'Union'.

Water
Integrated mining
Strategy
Growth
Coastal
Innovation
Zone
Energy Policy
Initiative
Management
Planning
sea
EU
policies
20-20-20
Spatial
Fisheries
Blue
Common
Employment
Deep
Union
Marine Framework Directive

JPI Oceans Measures to enable sustainable Blue Growth;



Strategic Areas

Blue Growth

????

*Level
playing
field*

Deep
Sea
Mining



Technology
Sensors
*Enable
Oceans
Industries*



*Stable
framework*
MSP



Oceans
&
Human
Health
Tourism



*Aquaculture
Tourism*
GES



OOS
*Forecasts
Waves
SOCIB*



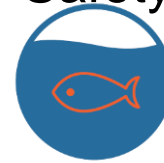
*New routes
Waves
&
Storms
Climate
Change*



Acidification
*Resilience
Fisheries
Aquaculture*



*Aquaculture
Fishery
Food
Security
&
Safety*



Blue
Biotech
*New
Products*



Deep Sea - Pilot action



Deep Sea mining



infrastructures



Human Resources



Technology Sensor

Different tools

- Science for Int. protocols
- Fleet of AUV/ROVs - seabed mapping
- New research and technology
- Users/producers of knowledge, capacity needs

Building an efficient interdisciplinary scientific community for Policy Relevant Knowledge

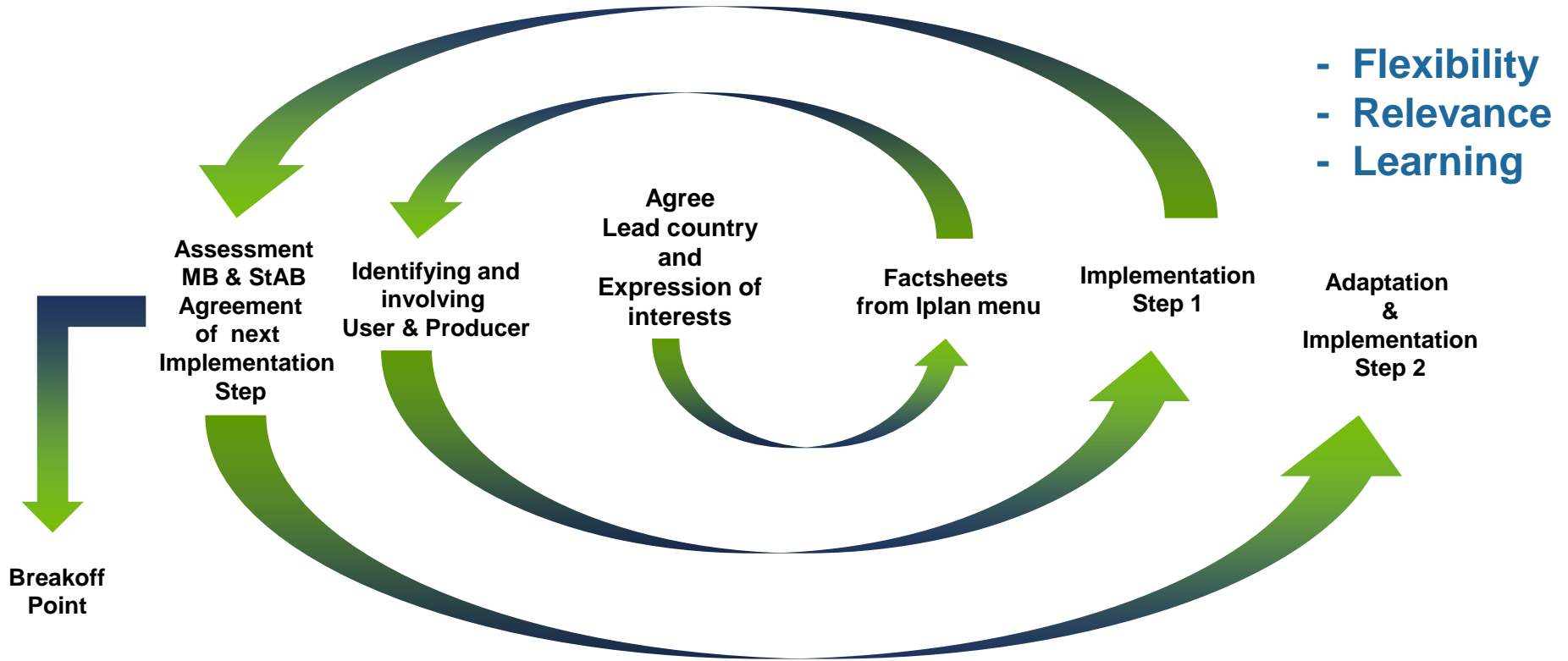
Workshop MSP 20 March 2015 – recommendations;

- **Tool;** Create a long-term knowledge hub
- **Objective;** Share Praxis and network
- **Who; User/producer;** planners and scientific advisers from local to international level
 - EU Maritime Day 2015 – capture industry needs for blue growth

Possible next steps;

- **Develop the needed scientific knowledge base and scientific methodological advice** to support coherent long-term views and visions with optimal co-use of uses of the sea;
- **Build human capacity** by identifying the skills gaps and informing educational initiatives
- **Possible joint call for research** (timing beyond 2017?) possible engaging structural funds
- Lead country agreed **Italy**.

Implementation Step-by-Step approach





THANK YOU

JPI Oceans secretariat
Kathrine Angell-Hansen

Email: jpioceans@rcn.no

Website: www.jpi-oceans.eu

Twitter: [@jpioceans](https://twitter.com/jpioceans)