



1. OVERALL COMMENT ON THE *DRAFT* RESEARCH PLAN
2. COMMENT ON THE INDICATIVE RESEARCH PRIORITIES / ENABLING ACTIONS

Ostend (Belgium) 28 February 2012
Katja Philippart (EU FP7 CLAMER representative)

1. OVERALL COMMENT ON THE *DRAFT* RESEARCH PLAN

Katja Philippart (EU FP7 CLAMER representative)



Discussion Document
(draft Research Plan)

Strategic Research Agenda & Implementation Plan

- key opportunities & challenges sustainable development
- main enabling actions & research topics
- common programs & join calls

Input
National & EU research programs

- a.o. Horizon2020

“the proof of the pudding is in the eating”

ENABLING ACTIONS & RESEARCH TOPICS

indicative (not “the right ones”)

stakeholders*

- agree or disagree with issues & actions
- propose additional issues & actions
- add new topics (?)

long-list

HOW !?

most pressing issues
&
most appropriate research

* stakeholder workshops, i.e. 28/2 & 13/7
(consortia, major EU projects, international organizations)
national consultations

2. COMMENT ON THE INDICATIVE RESEARCH PRIORITIES / ENABLING ACTIONS

Katja Philippart (EU FP7 CLAMER representative)

SEAS ERA - draft

Climate Change

Indicative Research Issues:

- Development of regional and local forecasting and scenarios, including risk assessment, models;
- Development of autonomous and sensitive pCO₂ sensors for in-situ monitoring of ocean acidification.

Indicative Enabling Actions:

- Create/improve the Atlantic Ocean Observing System to better track climate change;
- Development of an annual European Atlantic Sea Basin Marine Climate Change Report Card.

SEAS ERA - proposed

Climate Change

Research Issues:

- Development of regional and local forecasting and scenarios, including risk assessment, models;
-
-
-

Enabling Actions:

- Create/improve **marine observing systems** to better track climate change (state variables, **process rates & species' traits**);
- Development of annual **Marine Climate Change** reports on **European Seas**.

2. COMMENT ON THE INDICATIVE RESEARCH PRIORITIES / ENABLING ACTIONS

Katja Philippart (EU FP7 CLAMER representative)

Spatiotemporal Scales

- Causes & effects
- Sources & sinks

Global Change

- Climate change
 - Fisheries
 - Pollution
 - Habitat destruction
- 2011: 7.0 billion people
2020: 7.6 billion

Marine Battle Zone

- Highly populated
 - Most productive
 - Most vulnerable
 - Overlap WFD & MSFD
- Offers most opportunities and challenges for mitigation & adaptation

SEAS ERA - proposed

Climate Change

Research Issues:

- Development of regional and local forecasting and scenarios, including risk assessment, models;
- Identification of multi-scale influences
- Quantification of multiple stressors
- Zooming in on coastal zones

Enabling Actions:

- Create/improve marine observing systems to better track climate change (state variables, process rates & species' traits);
- Development of annual Marine Climate Change reports on European Seas.