



# JPI Oceans Pilot Actions

Testing new tools

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# Pilot Actions

## Background

- Pilot actions were launched in order to move JPI Oceans into its operational phase.
- Pilot Actions test (new) modes of cooperation & demonstrate added-value of JPI Oceans.
- Mainly draw on existing capacities and resources.
- May pave the way for fully-fledged actions.
- Pilot actions will be implemented by those MC interested in participating (*variable geometry principle*).
- Participation in the pilot action does not necessarily imply a commitment to new funding – contributions can take other forms.



# ECOLOGICAL ASPECTS OF DEEP-SEA MINING

# Ecological aspects of deep-sea mining

- **Background**

- Marine mineral resources have recently become the target of mining companies
- Very little is known on the long term impact of these activities

- **Aim:**

- analyse the long-term ecological impacts of deep-sea mining and devise monitoring strategy.
- Make recommendations to policy-makers, industry and International Seabed Authority

## State of play

- Support from 11 MC: DE, BE, FR, IT, NL, NO, PO, PT, RO, SE and UK
- Germany has offered up to 90 days on RV Sonne in Pacific
- Group of scientists drafted a proposal for those 90 days (3-legged cruise).
- Workshop held in Berlin on 16 July between scientific experts and funding bodies from interested countries.
- Total estimated budget: € 9,7 mio
- March 2015: Proposed start of cruise



## Added value and impact on programming alignment

- Goes beyond the usual bartering system for ship time
- International multidisciplinary research jointly determined and carried out
- Alignment on national deep sea research agenda
- Integrates ongoing national research activities and funding (fresh money, in-kind and institutional contributions)

## Links with existing projects

- Complementary with the FP7 MIDAS project. This is ensured through the participating scientists (Cfr. Pedro Martinez, Science coordinator of the pilot action and WP leader of MIDAS project)
- Complementary with Blue mining project which is industry led and more focused on technology development



# Intercalibration for the EU Water Framework Directive

# Intercalibration for the EU Water framework directive

- **Background:**

- The EU Water Framework Directive ([WFD](#)) was adopted in 2000, the purpose being the establishment of a framework for protection of inland surface waters, transitional waters, coastal waters and groundwater.
- Significant gaps still exist despite two phases of intercalibration for coastal and transitional waters.

- **Aim:**

- to solve the last remaining issues in a more cost-efficient way
- to enable a long-term dialogue between environmental authorities and the scientific community of Member States to solve remaining scientific challenges with regards to the WFD coastal and/or estuarine waters jointly



Potential solution increased cost-efficiency for 2014 - 2016

NEA GIG:  
10 MS + NO:

### 1<sup>st</sup> national level

- BE
  - FR
  - DE
  - NL
  - IE
  - DK
  - UK
  - SE
  - NO
  - PT
  - ES
- At national level about 55 environmental experts in total
- Submission monitoring data
  - Follow-up IC
  - Evaluation and approval to reach consensus

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### JOINT FUNDING through JPI Oceans

#### at 2<sup>nd</sup> level - international Expert Leads

303.600 euro (104.000 in 2014) from environmental authorities

4 expert leads  
for phytoplankton &  
benthic invertebrates  
+ 1 person JPI Oceans  
Secretariat

In-kind contribution from PT with  
2 expert leads (seagrasses + salt  
marshes)

#### 3<sup>rd</sup> level - international

JRC

- General coordination-facilitation
- Evaluation

+

OBLIGATION + RESPONSIBILITY MEMBER STATES

RESPONSIBILITY EC

## State of play

- Four expert leads have been selected and a Memorandum of Understanding has been signed by all 9 participating Member Countries.
- Budget contributions from all participating countries have been agreed, amounting to a total of 104.000 euro for the tasks to be performed in 2014, which has been paid. Together with the subsequent additional work in 2015, the project budget from environmental authorities is currently estimated to be about 303.600 euro.
- A first alignment of timing for budget availability has been obtained by 1 country for 20% of the total budget for 2014, for which an approval of shifting availability in time was needed.
- A kick-off meeting with the Expert Leads and JRC has taken place on 14 July at the JPI Oceans' Secretariat in Brussels to discuss the intercalibration state-of-art and first actions.

## Added value and impact

The JPI Oceans pilot action will add value by:

- finding experienced scientific expert leads to perform required analyses in the most cost-efficient way for phytoplankton and benthic invertebrate fauna (as there are constraints in the availability of experts of national environmental authorities)
- reducing fragmentation (of comparison calculation efforts) and increase efficiency in relation to the Water (and Marine Strategy) Framework Directive;
- increasing experience with joint data collection and analysis;
- testing a mechanism for joint funding from environmental authorities of 9 Member States (BE, DE, DK, FR, IE, NL, NO, SE, UK), surpassing the traditional model of joint calls, to obtain the performance improvements.

# JPI OCEANS

THANK YOU

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