



## Conclusions from the first MARCOM+ Technology Transfer Panel

MARCOM+ Policy Interface Panel, 1st meeting  
IMARES, Ijmuiden, February 14, 2011

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## Outline

- The Role of the MARCOM+ Technology Transfer Panel – The Objective
  - The policy context
  - The tasks for the TT Panel, 1st meeting
- Conclusions from the first MARCOM+ Technology Transfer Panel





# THE ROLE OF THE MARCOM+ TECHNOLOGY TRANSFER PANEL

(MARCOM+ Technology Transfer Panel, 1st meeting - February 2, 2011,  
Brussels)



## The objective of TT-panel

... is to investigate the most appropriate mechanisms to support Technology Transfer

### Emphasizing/identifying

- cross cutting synergies with respect to research and industrial implementation/application of knowledge
- possibilities of technology transfer between the sectors and mechanisms to accomplish such transfer



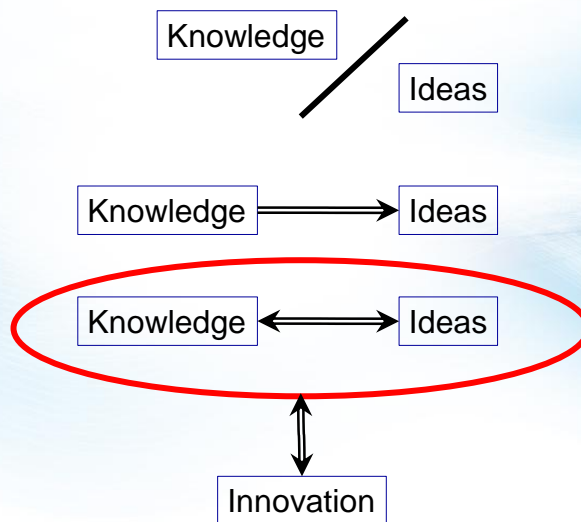


## The Policy Context

- From the Lisbon Agenda via Barosso's job application to the Innovation Union



## The interconnections of Knowledge and Ideas





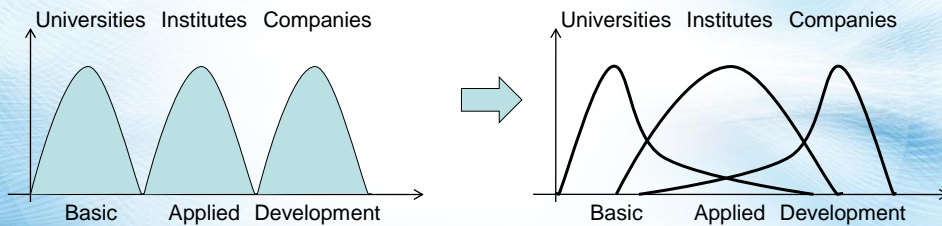
## Today's Task

- Mapping of the technologies where the European marine and maritime sectors are strong
- But
  - What TT?
    - academic – applied field /industry
    - within a company
    - between companies
  - What about The Three-hump model

Geo



## The Three-hump model



- Meeting places?
  - TEKMAR
  - TP's





# CONCLUSIONS

FROM THE FIRST MARCOM+ TECHNOLOGY TRANSFER PANEL



## Conclusions

- The terms: Technology; Knowledge
- Mapping
  - Maritime → Marine → Marine ↔ Maritime
  - N → S; S ↔ N





## Inventory of areas/issues where input from marine science is needed

1. Underwater noise, impacts on nature (silent ship);
2. Impact of climate change on transport;
3. Currents, water column properties and safety of transport;
4. Building with nature, estuaries (alternative to dredging, materials and structures learned from nature);
5. Hull surfaces, fuel efficiency, use of currents for routing, anti-fouling;
6. Northern shipping routes and requirements for shipbuilding, other operations;
7. 'Green ship';
8. Logistics around offshore wind parks (from production to dismantling);
9. Materials for off-shore structures, impact on environment, operational requirements (e.g. corrosion);
10. Shipping: loads on ship (safety of operations);



## Inventory of areas/issues where input from marine science is needed (cont.)

11. Offshore installations and use by mariculture;
12. Ballast water treatment (2014 and 2016 regulations);
13. Fish diseases;
14. Feeds in mariculture and its resources (competition and sustainability);
15. Future fisheries fleet;
16. Marine spatial planning
17. Marine mining;
18. Remote and submersed operations, automatic facilities;
19. Education and skills development of offshore operations staff;
20. Marine biotechnology including cultivation of living resources – applications for medicine;
21. Bioinvasions as related to various sectors (marine and maritime).





## Conclusions

- Identification
  - Available technology/knowledge (= opportunities)
  - (industrial) needs
- Technology for transferring (creating) ideas, knowledge, innovations ....
  - Meeting places, forums,
  - Switchboards
  - TPs



European Aquaculture  
Technology and Innovation Platform



MARCOM+  
Technology Transfer 1st panel meeting, February 2nd 2011, Brussels



## The Role of the MARCOM+ Technology Transfer Panel

MARCOM+ Technology Transfer Panel, 1st meeting  
February 2, 2011, Brussels

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### Outline

- The Role of the MARCOM+ Technology Transfer Panel – The Objective
- The policy context
- Today's task



## The objective of TT-panel

### Emphasizing/identifying

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