



**SEAS-ERA – WP5**  
**Human Capacity Building in Marine and Maritime**  
**Activities Workshop**

**7 October 2011, Rome**

**Identification of needs, specificities and**  
**imbalances in HCB -**  
**Findings and proposals for the Black Sea**

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## Results of HCB Questionnaire- Black Sea

- Low level of participation : 2 countries out of 5
- 14 institutions replied
- Reflecting a good coverage of research performing organizations (universities, public research institutes).
- Other public and private sector stakeholders not addressed
- Stakeholders on maritime research not addressed

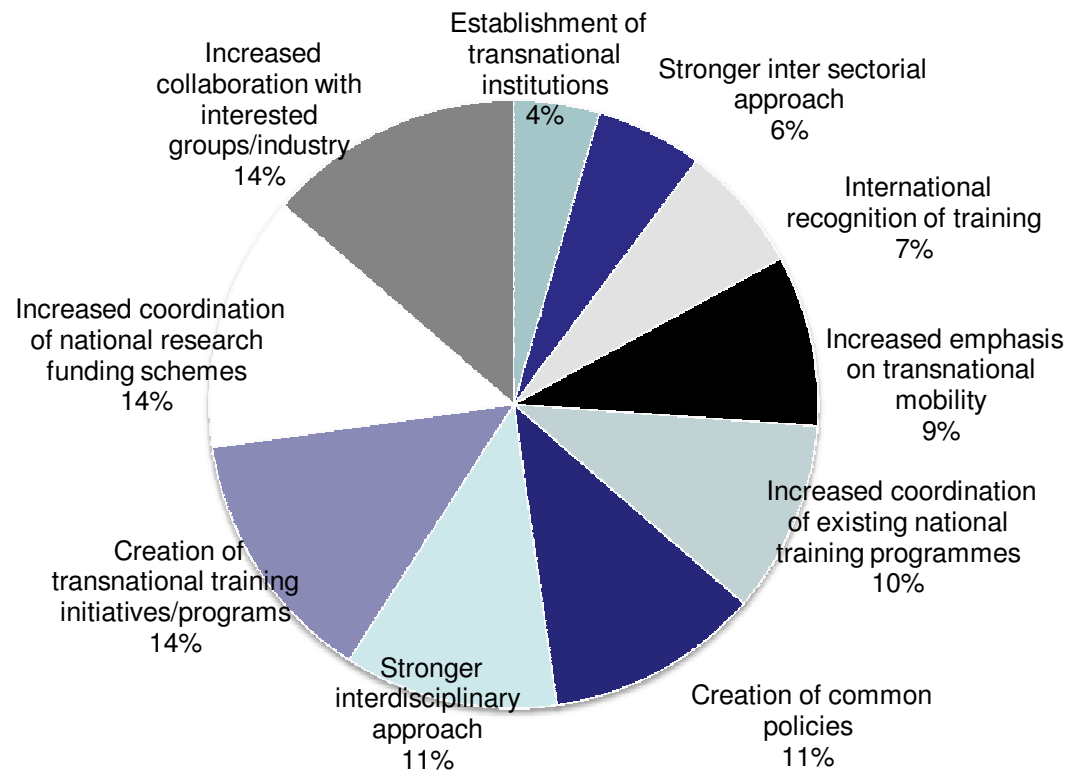
## Results of HCB Questionnaire- Black Sea

- Priorities in Target groups : Researchers/technologist/technicians
  - “ in Sectors: Fishery/resources, environment, research
  - “ in Dicipines: Chemistry, biology, environment (high)  
Engineering/ICT (medium, 1st level)  
Economics/social science (medium, 2nd level)
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- Priority actions:

priorities			needs		
school_education	high		school_education	medium	
training_internship	high		training_internship	high	
mobility	medium		mobility	high	
e_learning	medium		e_learning	medium	

## Results of HCB Questionnaire- Black Sea

### Priorities to advance HCB



## Results of HCB Questionnaire- Black Sea

### Problems & barriers for HCB:

- Lack of funds ..... 19%
- Lack of { consideration of HCB as strategic and coordination of strategies } .....11-12 %
- Lack of { information, regulation, collaboration btw public and private sectors, infrastructure/facilities } .....8%

## Underlined HCB needs in the BS – SRA priority research areas

For new and multi-disciplinary topics :

Marine biotechnology

Marine energy

Marine spatial planning .. Links to ICZM

Requirement is :

*Education and training coupled with public and stakeholder support ensuring next generation scientists*

## Outcomes and Proposals

The outcome of the questionnaire is not sufficient to provide a BS picture on HCB in marine and maritime science

- Deliver a similar HCB form to different groups in rest of the countries to reply *...by the BS task leader (OR)*
- Ask SRA BS experts, BS advisory board members and nominated experts by the partners to complete with information *...by TUBITAK*

Complete with HCB activities organized in different programmes/projects at different levels

- Regional programmes
- National programmes (different than graduate education)
- Best practices at the local level
- Region wide integrated projects

## Outcomes and Proposals

A BS-analysis report be prepared to contribute to the regional/pan-European HCB Strategy and specific CP and/or JC on HCB as asked in Task 5.3

Preliminary analysis:

- Better coordination of national funds and existing national training programmes required
- Regional and/or a pan-European HCB strategy for further development of national and regional initiatives
- Recognition of HCB as strategic
- HCB development in the inter-diciplinary and inter-sectoral context is a need
- HCB strategy to support SRA
- Education and training be coupled with public and stakeholder support



