



Human Capacity Building in the Atlantic Region

SESSION.2

REGIONAL PERSPECTIVES

SEAS-ERA WORKSHOP

on New Perspectives in HCB

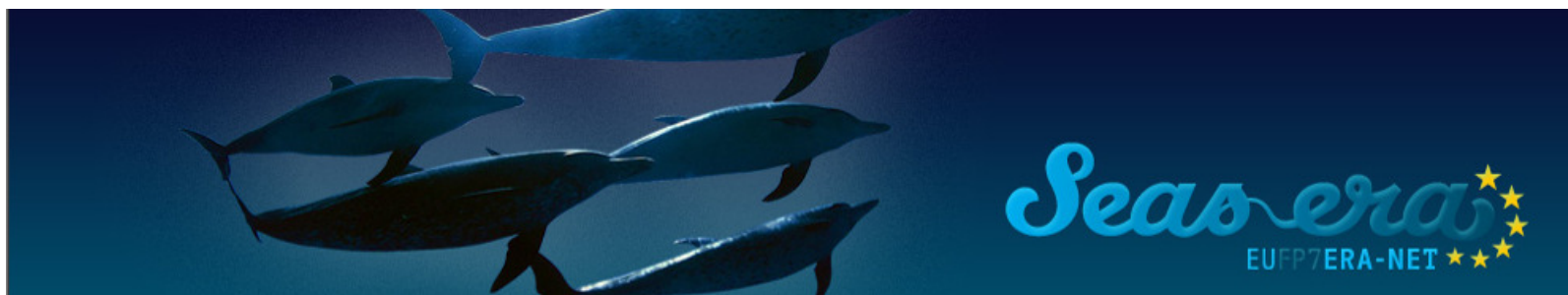
“Human Capacity Building in Marine and Maritime Activities”

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MINISTÉRIO DA EDUCAÇÃO E CIÊNCIA



**SEAS-ERA – Atlantic Region
13 partners of 10 countries
(including Marine Board –ESF)**

Belgium (BELSPO)

Norway (RCN)

Portugal (FCT)

Spain (MICINN)

United Kingdom (DEFRA, NERC)

Netherlands (NWO)

France (ANR. FREMER)

Germany (Julich)

Iceland (RANNIS)

Ireland (MI)

France and Spain also belong to SEAS-ERA Mediterranean Region



Questionnaire was directed to national and local institutions and entities from EU and non-EU countries:

- **Ministries**
- **Research funding organizations**
- **Research performing organizations**
- **Marine and maritime industries**
- **Schools/nautical institutes**
- **Captains**
- **Harbour master**
- **etc.**



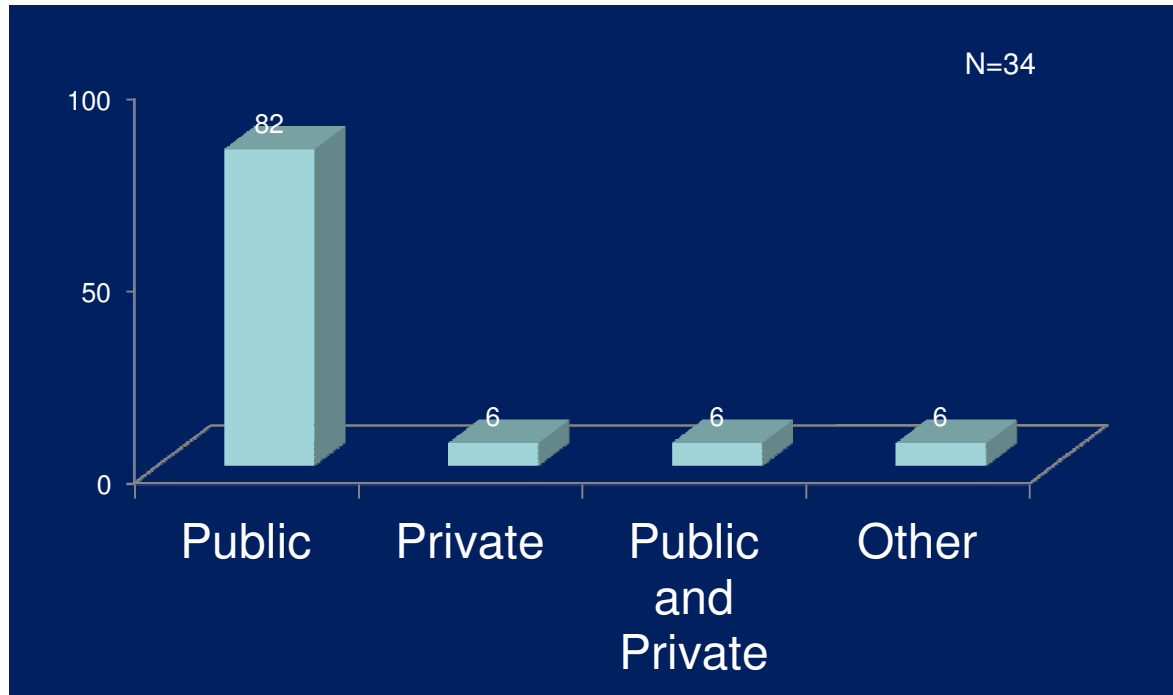
**Preliminary results of the questionnaire's
Marine/maritime HCB activities analysis**

**in the [Atlantic region](#)
(Include answers from Sweden)**



STEP 1 - Identification of the Organization

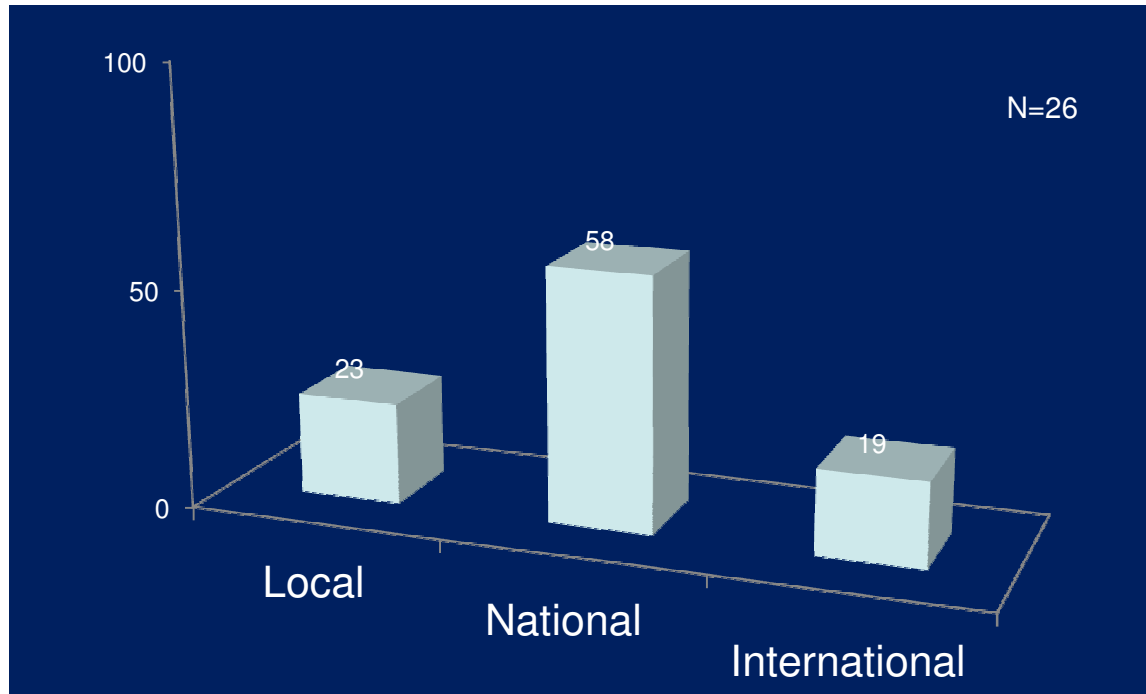
- Corporate Body (public or private)

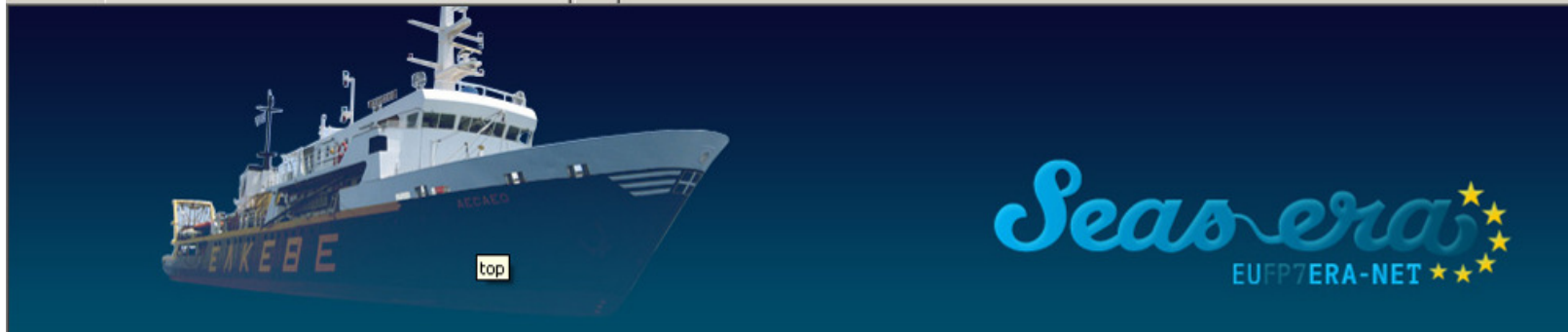




STEP 1 – Identification

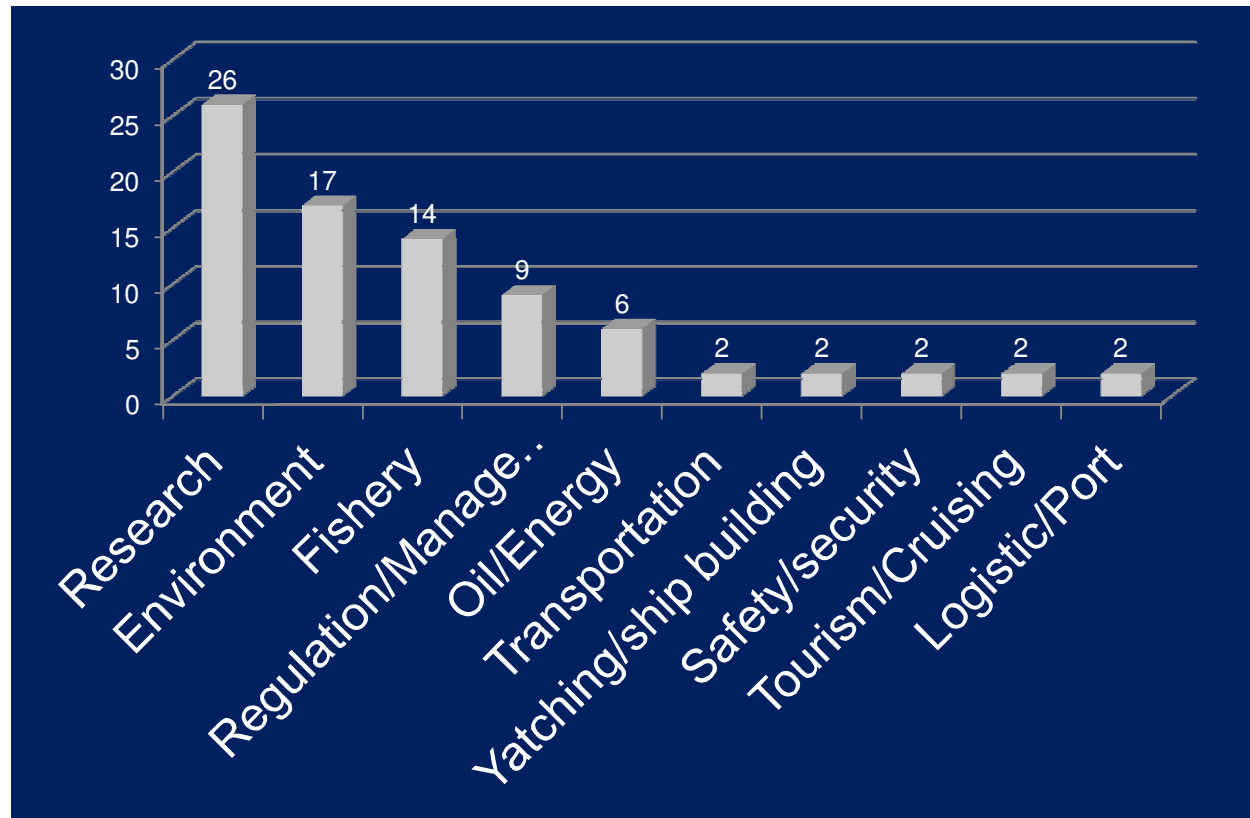
- **Scale of the organization**





STEP 1 – Identification

- **Sector of the Organization**





Questionnaire's analysis

- **Priorities and needs were analyzed considering the median among data:**
- each median value corresponds to a level: high, medium or low)

6	high
3	medium
1	low
0	no

empty answers where excluded from the analysis



1. What are priorities and needs you consider important for your Organization in HCB marine/maritime activities?

A.Target group to whom a HCB action is directed

target group	priorities	needs
researchers	high	high
technologists	high	medium/high
technicians	medium	medium
operators	medium	medium
managers	medium	medium



1. What are priorities and needs you consider important for your Organization in HCB marine/maritime activities?

B. Sectors or specific/practical topics of a HCB action;

sector	priorities	needs
research	high	high
fishery_sea_resources	high	high
environment_sector	high	high
regulation_management	medium/high	medium
oil_energy	medium	low
safety_security	low	low
logistic_port	low	low
yachting_shipbuilding	no	no
transportation	no	no
tourism_cruising	no	no



1. What are priorities and needs you consider important for your Organization in HCB marine/maritime activities?

C. Discipline on HCB action program

discipline	priorities	needs
biology	high	high
environment	high	high
physics	medium	medium
chemistry	medium	medium
eng_tech	medium	medium
ict	medium	medium
economics	medium	medium
languages	medium	medium
social_sciences	low	low



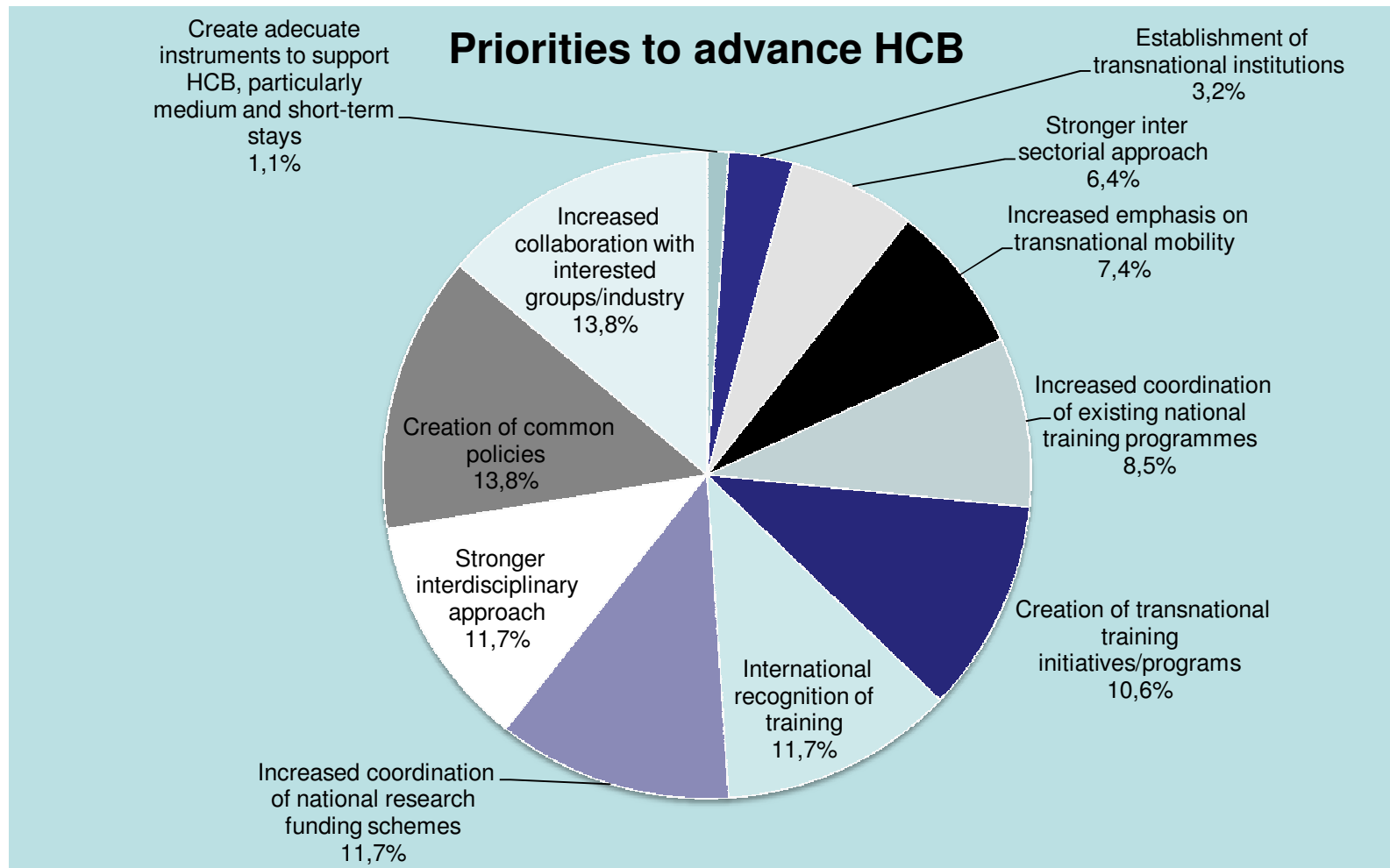
1. What are priorities and needs you consider important for your Organization in HCB marine/maritime activities?

D. Action type or ways in which a HCB action can be run.

action type	priorities	needs
training_internship	high	high
other_action	high	high
school_education	medium	medium
mobility	medium	medium
e_learning	medium	medium

Other actions: entrepreneurship,
open innovation,
communication skills, etc

2. What should be the main priorities to advance HCB in marine/maritime activities? (multiple choice question)

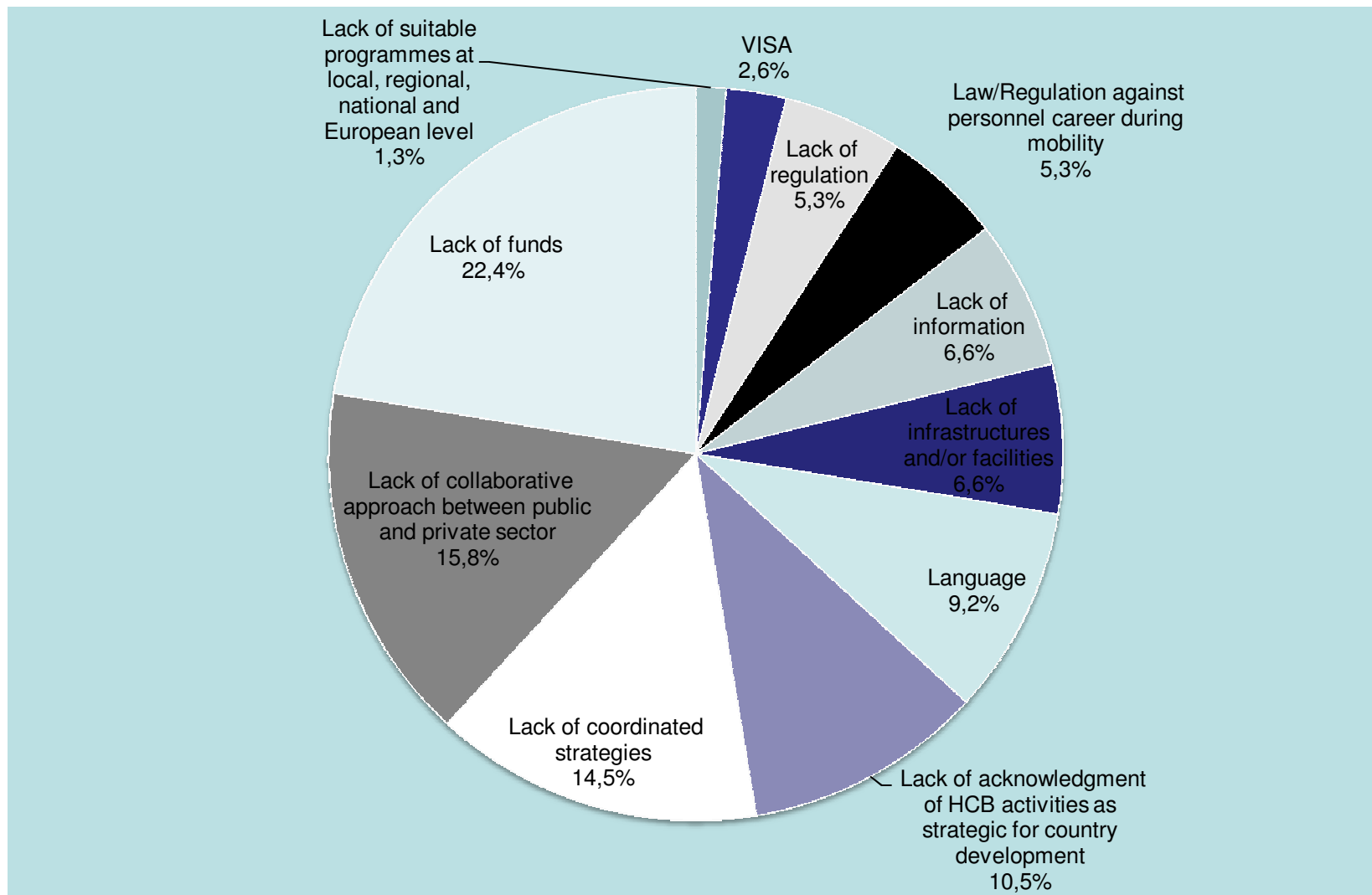


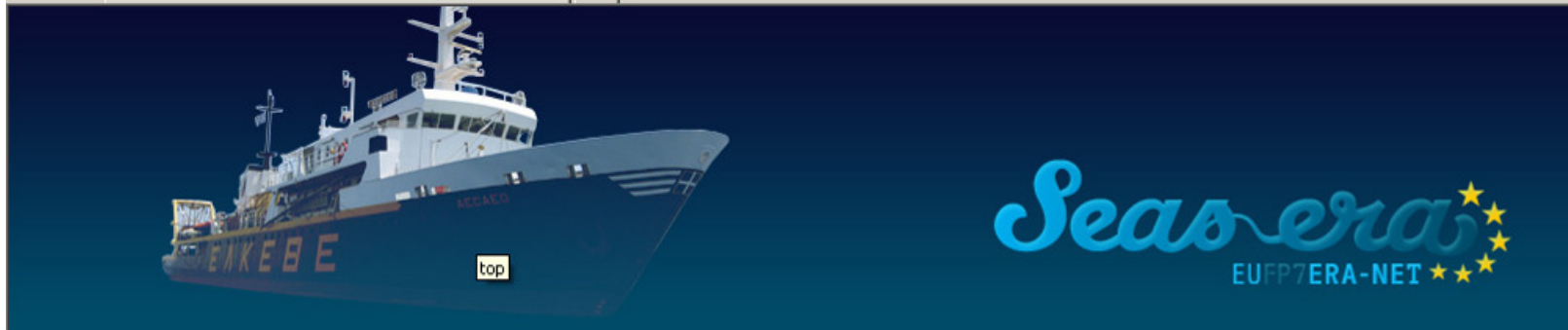


Priorities to advance HCB in the [Atlantic region](#)

- **Increased collaboration with interested groups/industry**
- **Creation of common policies**
- **Stronger interdisciplinary approach**
- **Increased coordination of national R&D funding schemes**
- **International recognition of training**
- **Creation of transnational training initiatives/programmes**
- **Increased coordination of existing national training programmes**

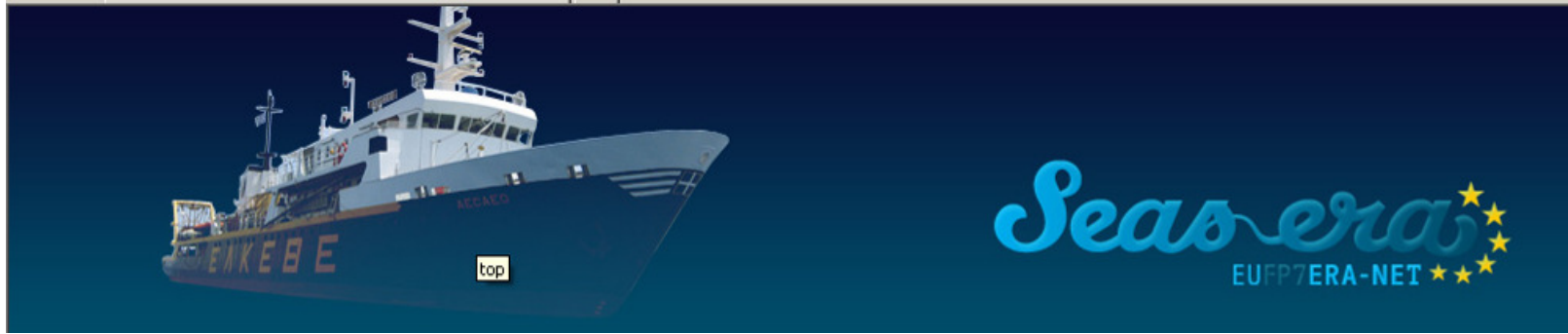
3. What are the main problems and barriers for HCB marine/maritime activities at both local and Pan European level? (multiple choice question)





Main problems and barriers in HCB in the [Atlantic region](#)

- **Lack of funds**
- **Lack of collaborative approach between public and private sector**
- **Lack of coordinated strategies**
- Lack of acknowledgment of HCB activities as strategic for country development
- Language



STEP 3 – HCB initiatives completed and/or still running and/or already planned

>90 initiatives were reported in the Atlantic region:

- university and master courses or training modules
- institutional courses
- ad hoc courses
- PhD training
- training internship
- training stay
- summer schools
- workshops



HCB in the Atlantic region

The results reflect the main priorities, needs and problems in HCB for organizations:

- **80 % Public**
- **60% National**
- **Research, Environment, Fisheries**



General problems of the questionnaire analysis:

- **scarcity of data (24 valid answers)**
- **high std. dev.**
- **possible misunderstanding between priorities and needs**
- **NO answers from Industries, Nautical Schools/institutes, Captains, Harbour masters.**



NEXT STEPS:

- **Re-open the on-line questionnaire ?**
- **Reformulate the questionnaire to be more focused on a specific target group?**

Target groups:

- **Marine/maritime industries**
- **Captains, harbour master**
- **Nautical schools/institutes**



PRELIMINARY PROPOSALS:

➤ **Create a portal with the existing marine/maritime HCB schemes in the Atlantic region?**

1. Training programmes and networks:

- ERASMUS MUNDUS Doctoral Programme
- EU FP7 People Programme – 5 Marie Curie actions
- FP7 EuroFLEETS Education & Training Programme
- FP7 Wavetrain-II Initial Training Network
- Etc

2. Training actions

3. Website



PRELIMINARY PROPOSALS:

Focus on training schemes (Summer schools, Workshops, Advanced Training Courses) **in:**

- **New emerging areas** (renewable energy, marine bioresources, marine technology, socio-economics);
- **Collaboration with existing industry** (shipping and maritime transport (e.g. the green ship), fisheries, aquaculture);
- **Interdisciplinary approach;**
- **Supporting technology transfer and innovation;**



Your suggestions in HCB actions in
the [Atlantic region](#) are welcome!

Thank you for your collaboration!