

FCT

Fundação para a Ciência e a Tecnologia

MINISTÉRIO DA EDUCAÇÃO E CIÊNCIA

Highlights across FCT activities

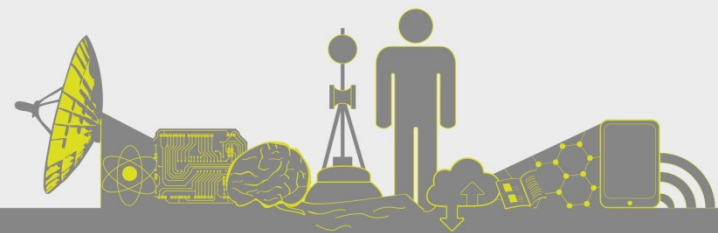
Paulo Pereira

Lisbon, 17.09.2013

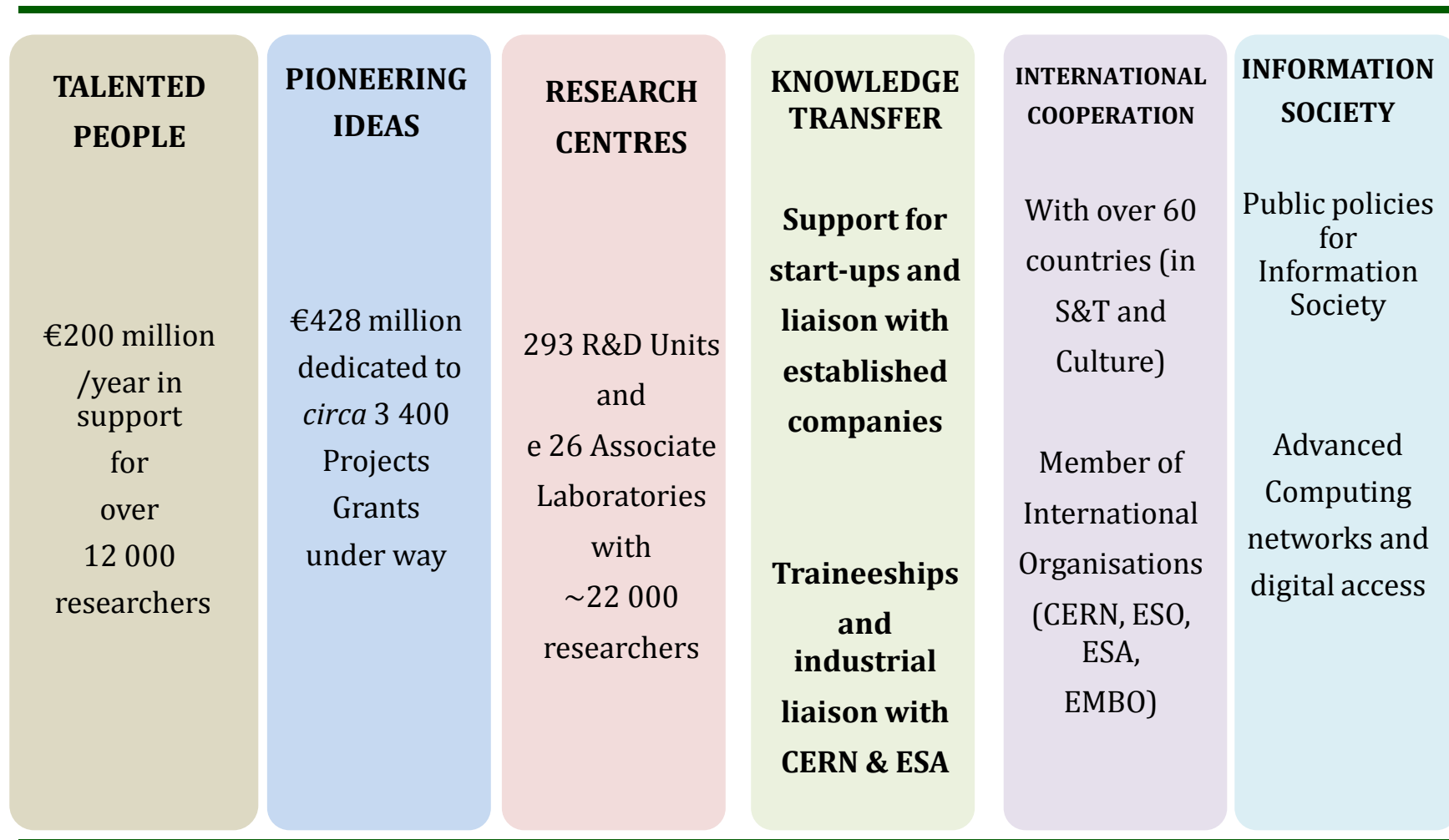
**SEAS-ERA Workshop - Towards a Marine Knowledge
Transfer Strategy**

FCT - Fundação para a Ciência e a Tecnologia

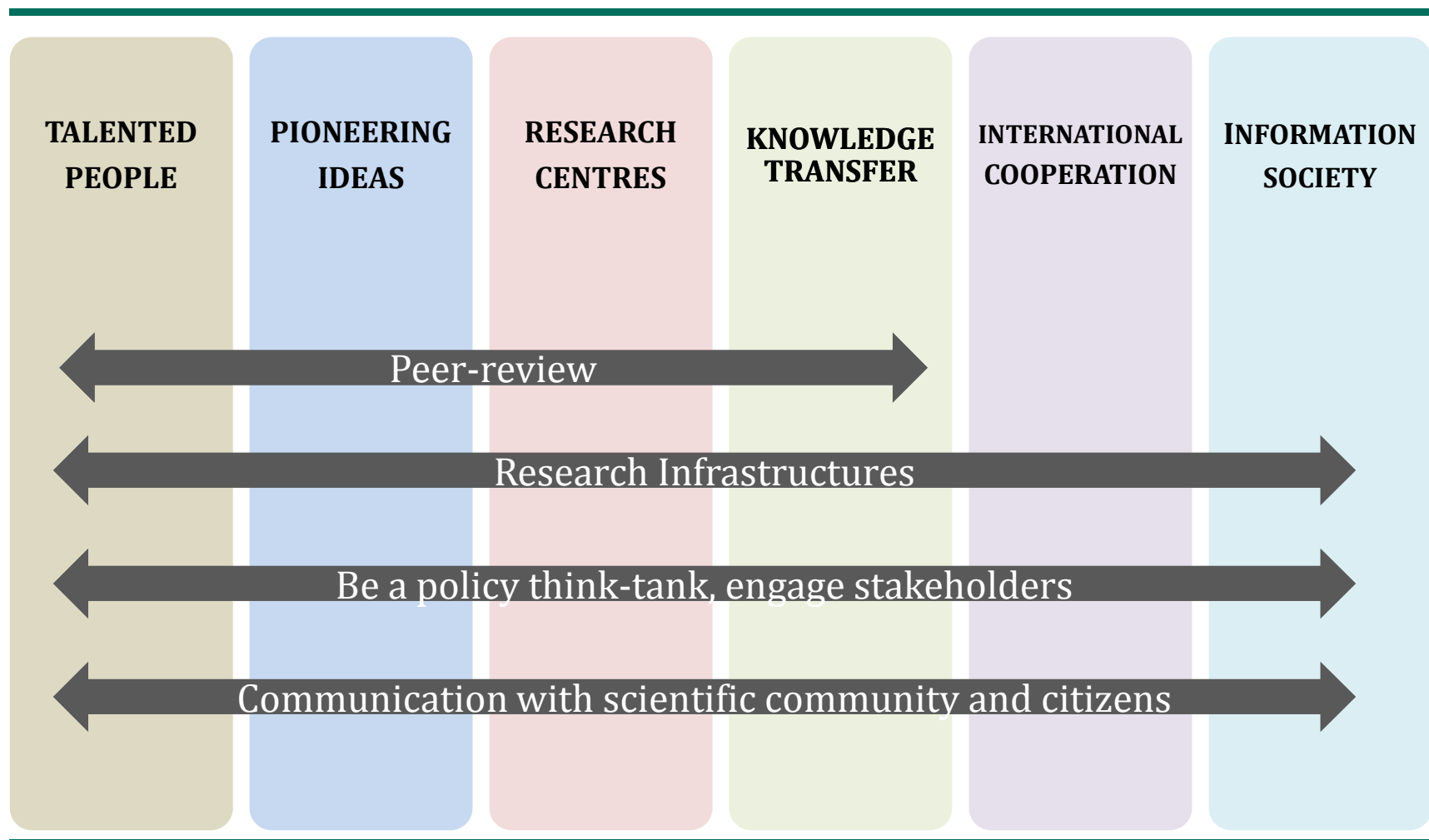
- FCT is the Portuguese public funding agency for science, research and technology
 - Under responsibility of Ministry of Education and Science (MEC)
 - Annual budget of approximately €450 million (National and EU)
- FCT supports and funds the brightest minds, ground-breaking ideas and internationally competitive research centres
- FCT connects research with business and society
- FCT promotes collaborations with established and emerging science nations



What FCT does



What FCT does



FCT PhD Programmes

Train the next generation of researchers and university faculty

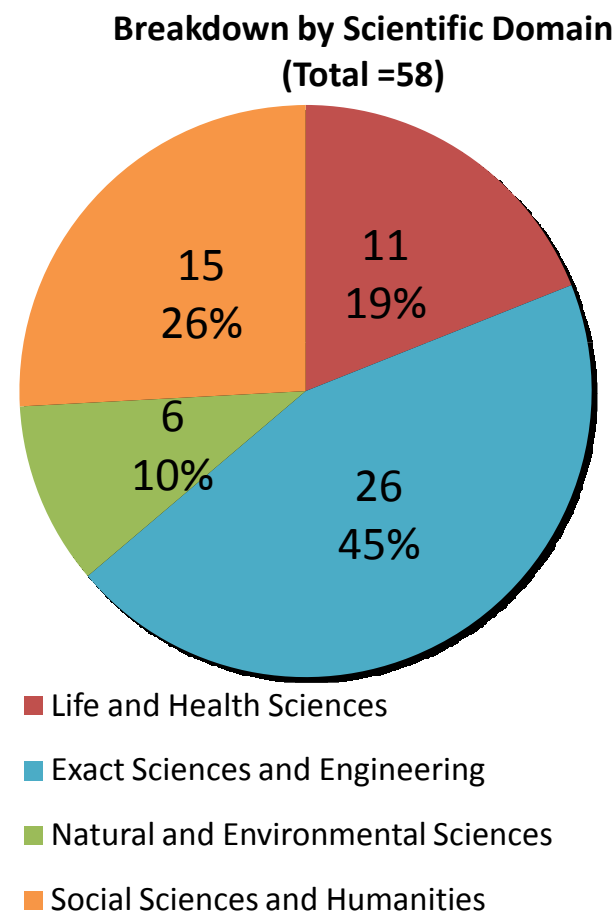
- Collaboration between Universities, R&D centres and businesses
- **Aim:** to promote competitive research-based graduate education and training of excellence
- **3 types of PhD programmes:**
 - National
 - International
 - In an industry setting



PROGRAMAS DE
DOUTORAMENTO
FCT

2012 FCT PhD Programmes - Results

- 238 applications
- **58 funded proposals**
 - 1702 fellowships:
 - ~400 PhD studentships/yr +
 - ~24 Research fellowships/yr
- **1 Doctoral Programme related to Marine Sciences:**
 - **EARTHSYSTEMS - Lisbon Doctoral School on Earth System Science (UL)**



FCT Investigator Programme

Five-year contracts for most competitive PhD holders

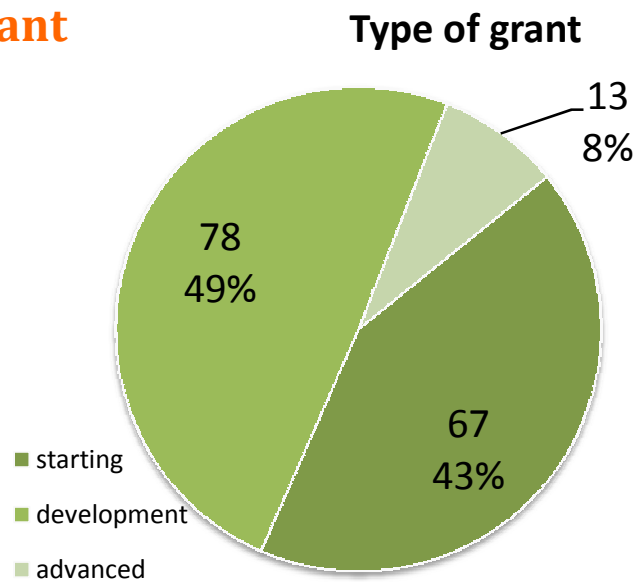
- Stimulus for science careers in Portugal
- Reverse brain-drain; encourage brain-gain
- Build a stable pool of top researchers, who will bolster international competitiveness of R&D centres
- Annual competitive calls
 - **1 000 FCT Investigators by 2016**
 - Excellence is the main criterium – of applicant and research proposal



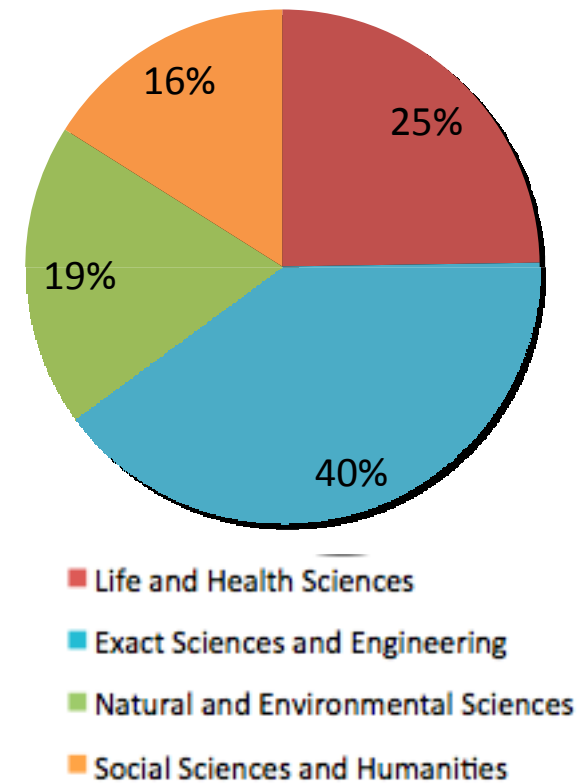
**INVESTIGADOR
FCT**

2012 FCT Investigator - Results

- 1175 applications
- 158 selected
- **6 FCT Investigators in marine sciences**
host institutions:
 - **5 Starting Grants**
 - **1 Advanced grant**

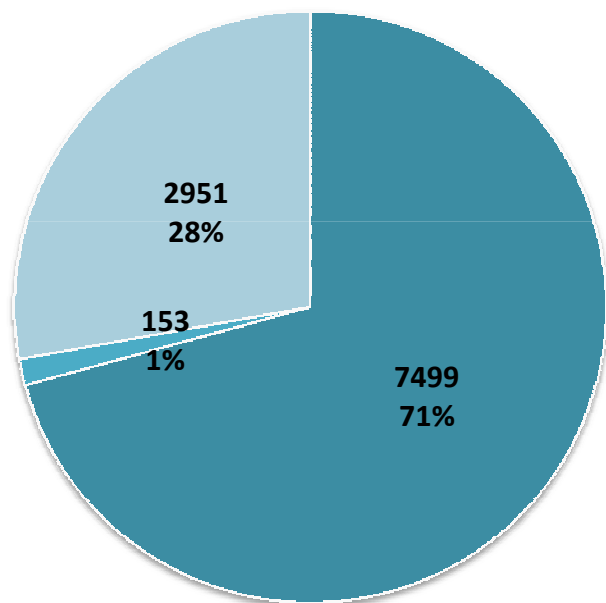


Scientific domain



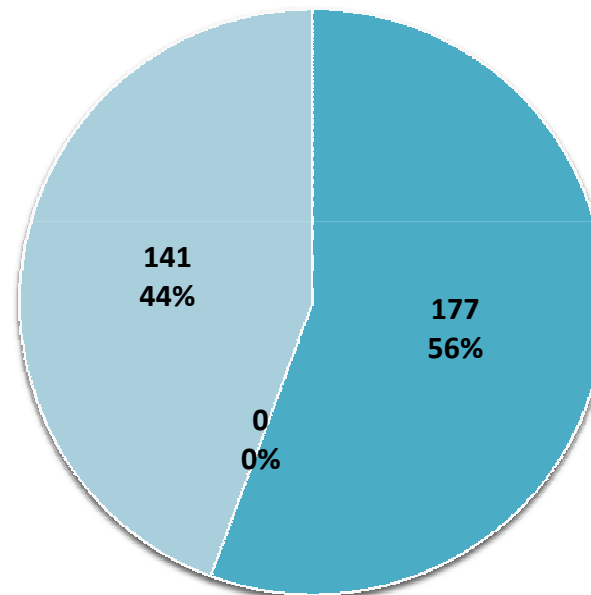
Studentships and Fellowships Calls 2008-12

Total (2008-12) = 10 603



- PhD Studentships
- PhD Studentships in Industry
- Post-doctoral Fellowships

Marine Sciences (2008-12)= 318

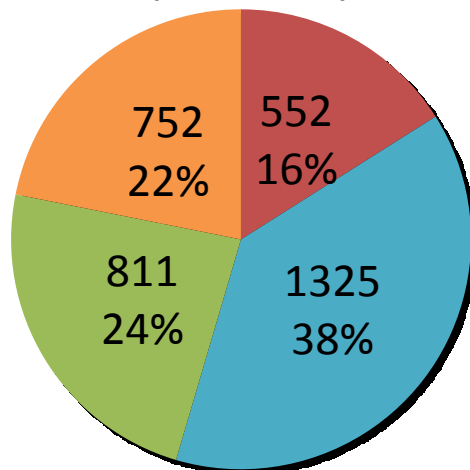


- PhD Studentships
- PhD Studentships in Industry
- Post-doctoral Fellowships

R&D Project grants Calls 2008-12

Nº Project Grants awarded

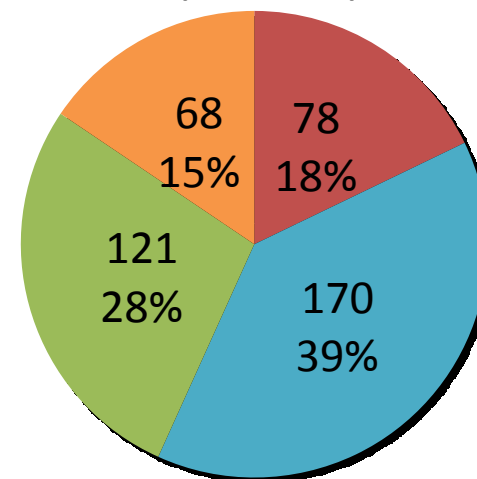
Breakdown by Scientific Domain
(Total =3440)



- Life and Health Sciences
- Exact Sciences and Engineering
- Natural and Environmental Sciences
- Social Sciences and Humanities

Allocated Funding (M€)

Breakdown by Scientific Domain
(Total =437)

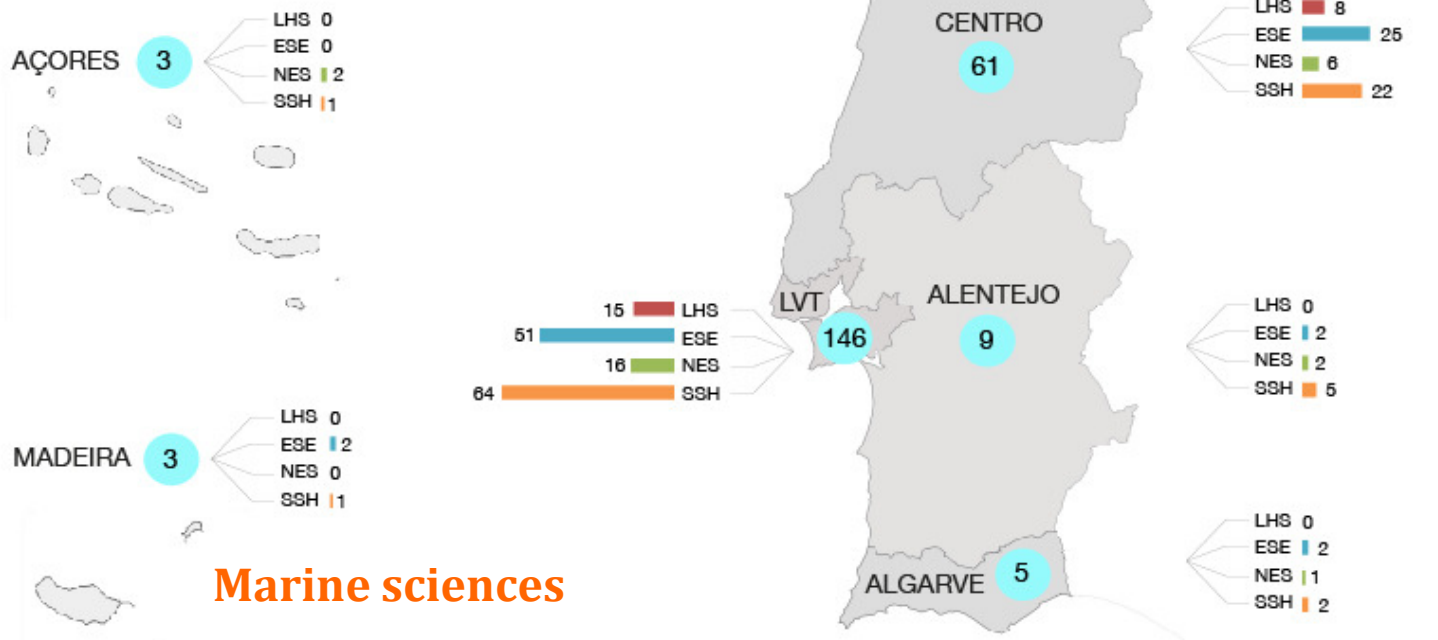


Marine Science & Technologies

- 138 R&D funded projects
- 20 M€ allocated funding

R&D Centres in Portugal by NUTS II regions
 [Nomenclature of Territorial units for Statistics]

- LHS - Life and Health Sciences
- ESE - Exact Sciences and Engineering
- NES - Natural and Environmental Sciences
- SSH - Social Sciences and the Humanities



Marine sciences

- 5 R&D Units
- 2 Associate laboratories
- 2 State Laboratories

credit: www.fct.pt

International partnerships

- Phase II- focus on **innovation and entrepreneurship**
 - Project-based, rather than education-based
 - Joint university-industry projects, to solve real problems
 - “test-beds” or “entrepreneurial research initiatives”
 - PhD programmes to be included in “test-beds”

UT Austin | Portugal

INTERNATIONAL COLLABORATORY FOR EMERGING TECHNOLOGIES, CoLAB

University Technology Enterprise Network Portugal (UTEN Portugal)

Information and Communication Technologies Institute
Carnegie Mellon | PORTUGAL
AN INTERNATIONAL PARTNERSHIP

MIT Portugal

European Research Area (ERA) 2013 FCT participation

Marine/Maritime sciences

3 ERA-NETs :

- BIODIVERSA (2010-2014)
- COFASP (2013-16)
- SEAS-ERA (2010-14)

1 Joint Programming Initiative:

- JPI Oceans

1 CP/CSA Research Infrastructures:

- EUROFLEETS (2009-2013)

Scientific Domains	ERA-NET/ ERA-NET Plus
Life and Health Sciences	5
Exact Sciences and Engineering	8
Natural and Environmental Sciences	6
Social Sciences and Humanities	2
International cooperation	2
Total	23

FCT - Bilateral Relations



Active Scientific Agreements with EU Countries

- Czech Republic
- France
- Germany
- Hungary
- Italy
- Poland
- Serbia
- Slovakia
- Slovenia
- Spain
- United Kingdom



Active Scientific Agreements with non-EU Countries

- Argentina
- China
- **India**
- Morocco
- Tunisia



Bilateral Cooperation - CPLP Countries

- Angola
- Brazil
- Cape Verde
- Guinea-Bissau
- Mozambique
- S. Tome and Principe

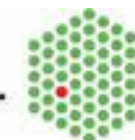
Indo-Portuguese Program of S&T Cooperation in Ocean Science & Technology

FCT - Multilateral Relations

- PT Membership in major International Actions or Organizations



European Organization for Nuclear Research



Communication

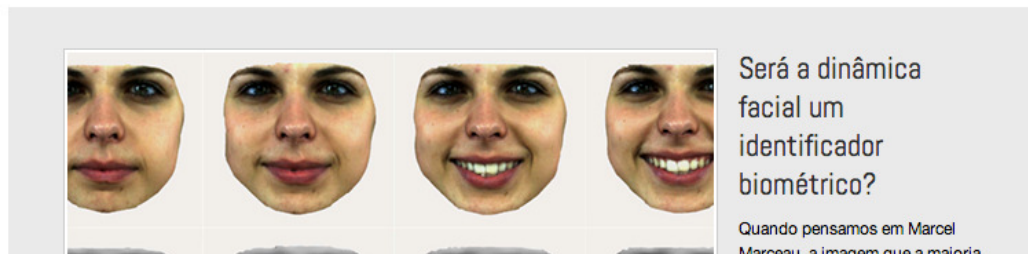
- **Aim:** To engage the scientific community and general public in FCT mission and actions:
 - Raise awareness of FCT programmes and their results (R&D findings) with general public and international stakeholders
 - Engage the public in S&T as the driver of economic and social well-being
 - To improve communication channels with scientific community and other stakeholders (media, decision-makers, industry)

FCTnewsletter
Divulgação de Ciência e Tecnologia

Agosto 2013

nº 6

EDITORIAL
ARTIGOS
BREVES
CRÓNICA COMIDADA
ARQUIVO DE CIÊNCIA E TECNOLOGIA



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MINISTÉRIO DA EDUCAÇÃO E CIÊNCIA

EXCELLENCE | KNOWLEDGE | IMPACT

www.fct.pt