



## **Horizon 2020**

*The EU Framework  
Programme for  
Research and Innovation  
2014-2020*

**Arnoldas Milukas**

Head of Unit  
DG Research & Innovation  
Environment Directorate

**2<sup>nd</sup> SEAS-ERA STRATEGIC FORUM**

Brussels 6<sup>th</sup> of February 2013

HORIZON 2020

The word "HORIZON 2020" is written in large, white, sans-serif capital letters. The letter 'O' in "HORIZON" is replaced by a small, realistic globe of the Earth. The text is set against a background of a blue sky with a bright sun or light source on the horizon, creating a lens flare effect. The bottom of the image shows a curved horizon line of the Earth, suggesting a view from space or a high-altitude perspective.



# EU Research policy

- Research and innovation policies enshrined in the Lisbon Treaty, introducing the European Research Area;
- The Framework Programme, a major instrument of research policy;
- The Framework Programmes for Research have two main strategic objectives:
  - To strengthen the scientific and technological base of European industry;
  - To encourage its international competitiveness, while promoting research that supports EU policies.

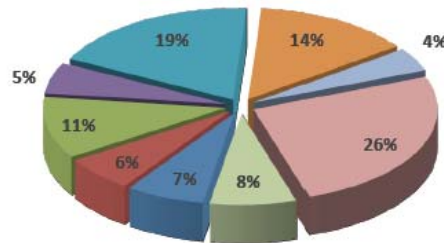
To date there have been 7 Framework programmes

# Framework budget for Marine Research (FP6 and FP7)

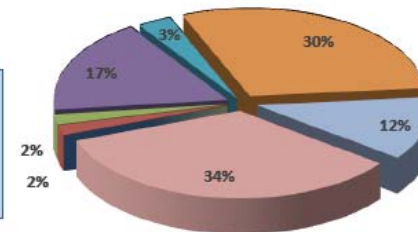
## FP6 and FP7 Marine Projects

Source: Marine Knowledge Gate 1.0

FP6 (471 Projects, €863 M)

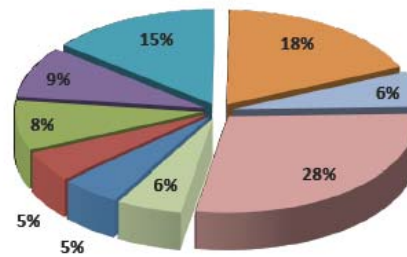


FP7 (514 Projects, €1,123 M)\*



> 1,000 Projects  
> €2 Billion

Combined FP6 & FP7



\* FP7 Data up to June 2011



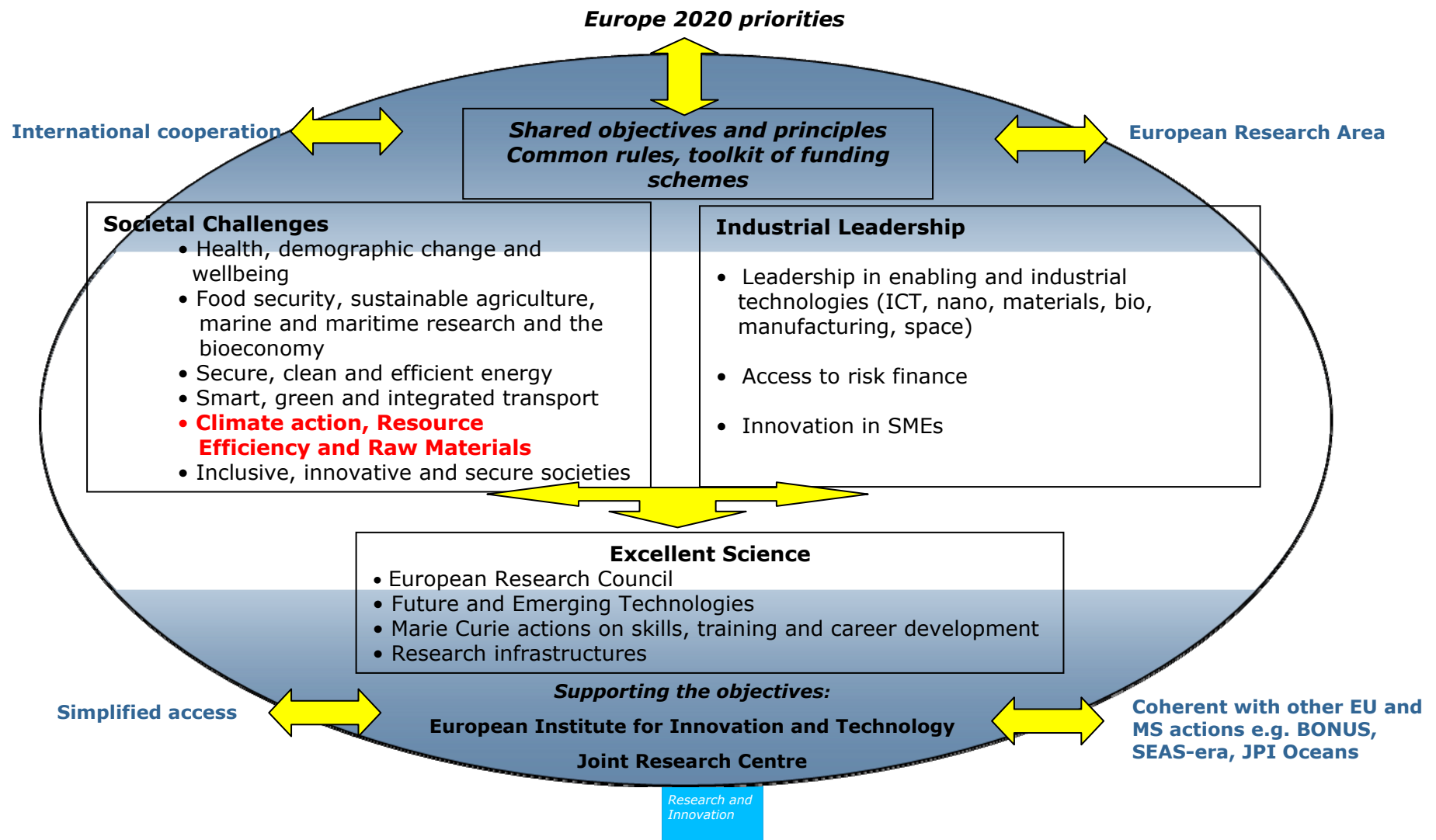
# The future: Horizon 2020

- **Horizon 2020** the new EU Framework Programme supporting Research and Innovation activities (2014-2020)
- **Core part of Europe 2020, Innovation Union and ERA**
  - **Responding to the economic crisis** to invest in future jobs and growth
  - **Strengthening the EU's global position** in research and innovation
- **Proposed budget: 80 billion euro** research and innovation funding programme (2014-2020)



European Commission

# Horizon 2020 objectives and structure





## Marine research in Horizon 2020

- **Excellent Science** e.g.: marine research infrastructures, ERC grants, Marie Curie fellowships
- **Industrial leadership** e.g.: blue biotechnology, innovation in SMEs for "Blue growth"
- **Societal challenges** e.g.: ocean role in the climate process, maritime transport, ocean renewables, fisheries & aquaculture.
- **European Innovation & Technology Institute**  
Knowledge & Innovation Communities (**KICs**)
- Promoting **partnerships** with Member States in the definition of strategic marine research agendas (**e.g. SEAS-era Strategic Research Agendas**)



# Horizon 2020 proposal

## ***Policy drivers***

- *Europe 2020 strategy*
- *Innovation Union*
- *Resource-Efficient Europe and corresponding Roadmap*
- *Roadmap for moving to a competitive low carbon economy in 2050*
- *Adapting to climate change: Towards a European framework for action*
- *The Raw Materials Initiative*
- *EU's Sustainable Development Strategy*
- *EU Integrated Maritime Policy*
- *etc.*



# Marine related Policy Developments & Horizon 2020 (1/4)

- **Baltic Strategy (2009)**
  - **Bonus-185 (science pillar)**
- **Integrated Maritime Policy for the Mediterranean (2009)**
  - Define a long-term strategic framework for basin-wide scientific co-operation in the Mediterranean => **e.g. SEAS-era Mediterranean Strategic Research Agenda;**
  - Develop a major cross-thematic research effort under the EU's FP7, targeted at integrating knowledge on the Mediterranean Sea => e.g. **PERSEUS 'Policy-oriented marine Environmental Research in the Southern EUropean Seas'**.





## Marine related Policy Developments & Horizon 2020 (2/4)

- **Atlantic Strategy (2011)**

- Contribution of **SEAS-era** through the **Atlantic Strategic Research Agenda** in the definition of research priorities and in the Atlantic Strategy Action plan (to be adopted March 2013)
- Public call for suggestions for key investment and research priorities: stakeholders invited to comment – **deadline February 15<sup>th</sup>**  
[http://ec.europa.eu/maritimeaffairs/policy/sea\\_basins/atlantic\\_ocean/index\\_en.htm](http://ec.europa.eu/maritimeaffairs/policy/sea_basins/atlantic_ocean/index_en.htm)
- An overview of the Action Plan will be presented in the Atlantic Forum Workshop, March 2013, Cork, Ireland.

**Registration:**

[http://ec.europa.eu/maritimeaffairs/policy/sea\\_basins/atlantic\\_ocean/atlanticforum/events/index\\_en.htm](http://ec.europa.eu/maritimeaffairs/policy/sea_basins/atlantic_ocean/atlanticforum/events/index_en.htm)



## **Transatlantic Marine and Maritime Cooperation (3/4)**

*Supporting the Atlantic Strategy international cooperation dimension*

***Encouraging joint responses to common challenges***

**Context:** *The enormous economic potential of the Atlantic remains largely untapped as many opportunities will require a wider participation of the main Atlantic coastal states. Research could in many cases be more effectively coordinated on a transatlantic basis thus providing mutual benefit and bringing new opportunities.*

**Cooperation activities are proposed in the following areas:**

- *Sustainable Atlantic ecosystem approach*
- *Sustainable marine food production (fisheries and aquaculture)*
- *Innovative uses and conservation of the Atlantic/marine biodiversity*
- *Seabed Critical Raw Materials (CRM- seabed mining)*
- *Two horizontal areas namely, Ocean Observation Technologies (including seabed mapping) and Ocean Literacy*

**Priority Countries (1<sup>st</sup> stage):** *US, Canada and Brasil*

**Please send us your inputs (non-paper & inventory)** => *proposed deadline, February 15<sup>th</sup> (?)*



## Marine related Policy Developments & Horizon 2020 (4/4)

- **Strategy for the Adriatic and Ionian Seas (2012)**
- **Other strategies?**
- **Sea basin strategies** received support by consecutive R&D Framework Programmes; support expected to continue through the new **Horizon 2020** where funding will be awarded through competitive calls around major research priorities addressed to international groupings through peer review based on excellence criteria

***SEAs-era: Towards integrated European marine research strategy and programmes***

- Coordination action of the main European marine research funding agencies
- Definition of Strategic Research Agendas in the Atlantic, Black Seas and Mediterranean (MoU with the Baltic)
- SEAS-ERA will constitute a platform for developing a European integrated policy oriented structure in the whole spectrum of marine and maritime research
- Links to JPI oceans





## Horizon 2020 – Timeline

- **Nov 2011:** *HORIZON 2020 Commission proposal adoption*
- **2012-2013:** *EP and Council deliberations and decisions*
- **2013:** *launch of first calls*
- **01/01/2014:** *HORIZON 2020 starts*



# HORIZON 2020 ADVISORY GROUPS

## *OPEN CALL FOR THE SELECTION OF EXPERTS*

- *Call open throughout Horizon 2020*
- *1<sup>st</sup> deadline: only candidates having registered no later than **6<sup>th</sup> of March 2013** will be taken into account for the setting up of the 1<sup>st</sup> Horizon 2020 Advisory Groups*
- *registration: [http://ec.europa.eu/research/horizon2020/index\\_en.cfm?pg=h2020-experts](http://ec.europa.eu/research/horizon2020/index_en.cfm?pg=h2020-experts)*



# Thank you for your attention!

**Find out more:**

H2020

[www.ec.europa.eu/research/horizon2020](http://www.ec.europa.eu/research/horizon2020)

Marine Research

[www.ec.europa.eu/research/environment/index\\_en.cfm?pg=marine](http://www.ec.europa.eu/research/environment/index_en.cfm?pg=marine)

Research and  
Innovation