



# HORIZONTE 2020

## Oportunidades de financiamento para a I&I marinha e marítima

CCMAR, 17 Novembro 2015



Gabinete de Promoção dos Programa Quadro ID&I



# O Horizonte 2020 (2014-2020)

Reforçar a liderança industrial em inovação. Inclui grande investimento em tecnologias-chave (KET), e um melhor acesso ao capital e apoio às PME

**Liderança industrial**

17 b€

**Desafios Societais**

30 b€

**Excelência Científica**

24,5 b€

Reflete as prioridades da Estratégia UE 2020, abordando as principais preocupações partilhadas por todos os europeus



Apoiar a posição da UE como líder mundial em ciência, com um aumento do financiamento para o Conselho Europeu de Investigação (ERC)



# O que é o 'Crescimento Azul'?



## Blue Growth

Unlocking the potential of Europe's oceans, seas and coasts

A estratégia 'Crescimento Azul' tem por objetivo apoiar a longo prazo o crescimento sustentável no conjunto dos setores marinho e marítimo, reconhecendo a importância dos mares e oceanos enquanto motores da economia europeia e c/ grande potencial p/ a inovação e o crescimento.

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=COM:2012:0494:FIN:PT:PDF>



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# Blue Growth Potential

## Exploração sustentável dos oceanos

### Energia dos oceanos

(Energia eólica offshore, energia marinha...)

### Aquicultura

(produção de biomassa)


### Biotecnologia marinha

(produtos de elevado valor acrescentado a partir de recursos biológicos marinhos)

### Exploração dos fundos marinhos

(minerais, hidratos de metano, biodiversidade)

**Tecnologias de observação do oceano**  
**Tecnologias marítimas / Plataformas offshore**  
**Interações Clima / Oceano**



# Programas de Trabalhos 2016/2017 - H2020 -

- Programas de Trabalho **Bianuais** (2014/2015; 2016/2017;...)
- **Concursos:** 2014 já fecharam (1º ano do H2020)  
Decorrem ainda alguns concursos para o ano de 2015 (muitos também já encerraram)

## 14 Outubro de 2015 – publicação do Programa de Trabalho 2016/2017

- Países **elegíveis:** Estados-Membros (EM), Estados Associados (EA), Países em desenvolvimento, Entidades internacionais de interesse europeu;
- Projetos em colaboração: **min. 3 entidades de 3 EM ou EA diferentes**
- Países **não-elegíveis automaticamente:** BRIC, EUA, México, Japão, Austrália, Canadá, ... (isto é, podem participar, mas sem receberem financiamento)
- **3 tipos de ação:** RIA (100%), IA (70%), CSA (100%) + 25% custos indirectos (IVA elegível)
- **Concursos temáticos** mas também **com muitas interações entre temas nos pilares dos Desafios Societais e da Liderança Industrial** (TICs, Nanociências, aspetos socioeconómicos, sustentabilidade, etc...,.)
- Tópicos **mais abertos** e com possibilidade para **diferentes tipos de abordagem**

# Horizonte 2020 → O Portal do Participante



HORIZONTE  
2020

European Commission > Research & Innovation > Participant Portal > Home

HOME   FUNDING OPPORTUNITIES   HOW TO PARTICIPATE   EXPERTS   SUPPORT   Search PP   LOGIN   REGISTER

<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>



On this site you can find and secure **funding** for research & innovation projects under the following EU programmes:

- **2014-2020** Horizon 2020 - research and innovation framework programme
- **2007-2013** FP7 - 7th Framework Programme for Research and Technological Development

#### Non-registered users can:

- search for funding opportunities
- read the H2020 legal documents
- check if an organisation is already registered
- contact our support team



## H2020 ONLINE MANUAL

### How to participate

The first steps to prepare your proposal and apply for EU research funding. Learn how to find a suitable Call for proposals or project partners and how to submit your proposal.

The following guidance services facilitate your participation:

- **H2020 Online Manual:** step-by-step online guide through the Portal processes from proposal preparation and submission to reporting on your on-going project
- **Reference documents:** library of legal documents, guidance notes, and additional reference material for H2020 and FP7
- search for already registered organisations and their **PICs**
- **Financial viability self-check tool** allows you simulating the financial viability check of your organisation
- **SME participation:** dedicated H2020 guidance page for SME



WHAT'S NEW?



FUNDING OPPORTUNITIES

FIND  
a call  
1

FIND  
partners  
2

CREATE  
your account  
3

REGISTER  
your organisation  
4

SUBMIT  
a proposal  
5



Gabinete de Promoção dos Programa Quadro ID&I





# RESEARCH & INNOVATION

## Participant Portal

European Commission > Research & Innovation > Participant Portal > Reference Documents

HOME FUNDING OPPORTUNITIES HOW TO PARTICIPATE EXPERTS SUPPORT Search PP LOGIN REGISTER

- H2020 Online Manual
- Reference Documents**
- Beneficiary Register
- Financial Viability Self-Check
- SME Participation

### Work Programmes

2014-15

2016-17

#### Main WP

1. Introduction 2016-17 >
2. Future and Emerging Technologies (FETs) 2016-17 >
3. Marie Skłodowska-Curie actions (MSCA) 2016-17 >
4. Research infrastructures (including e-Infrastructures) 2016-17 >
5. Introduction to Leadership in enabling and industrial technologies (LEITs) 2016-17 >
- 5i. Information and communication technologies (ICT) 2016-17 >
- 5ii. Nanotechnologies, advanced materials, advanced manufacturing and processing, biotechnology 2016-17 >
- 5iii. Space 2016-17 >
6. Access to risk finance 2016-17 >
7. Innovation in SMEs 2016-17 >
8. Health, demographic change and wellbeing 2016-17 >
9. Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy 2016-17 >
10. Secure, clean and efficient energy 2016-17 >
11. Smart, green and integrated transport 2016-17 >
12. Climate action, environment, resource efficiency and raw materials 2016-17 >
13. Europe in a changing world - inclusive, innovative and reflective societies 2016-17 >
14. Secure societies - protecting freedom and security of Europe and its citizens 2016-17 >
15. Spreading excellence and widening participation 2016-17 >
16. Science with and for society 2016-17 >
17. Cross-cutting activities (Focus Areas) 2016-17 (NEW) >
18. Fast Track to Innovation Pilot 2016-17 >
19. Dissemination, Exploitation and Evaluation 2016-17 >

#### General Annexes to the Main WP:

General Annexes 2016-17 >

[http://ec.europa.eu/research/participants/portal/desktop/en/funding/reference\\_docs.html#h2020-work-programmes-2016-17](http://ec.europa.eu/research/participants/portal/desktop/en/funding/reference_docs.html#h2020-work-programmes-2016-17)



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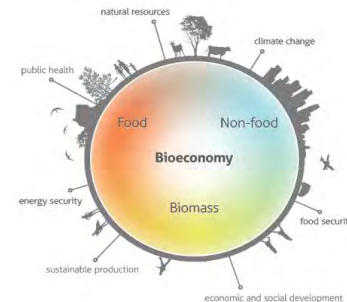


# Programa de Trabalhos 2016/2017 H2020 | DS2 & Blue Growth

## Objetivos do DS2

“Segurança alimentar, agricultura e silvicultura sustentáveis, investigação marinha, marítima e de águas interiores e a bioeconomia”

<http://ec.europa.eu/programmes/horizon2020/en/h2020-section/food-security-sustainable-agriculture-and-forestry-marine-maritime-and-inland-water>



- ✓ Garantir o abastecimento adequado de alimentos seguros e de qualidade e outros produtos de base biológica
- ✓ Desenvolver sistemas de produção primária produtivos e eficientes na utilização de recursos
- ✓ Potenciar cadeias de abastecimento competitivas e hipocarbónicas

**Explorar de modo sustentável e eficiente os recursos biológicos**  
acelerando a transição para uma bioeconomia europeia sustentável

**EU Bioeconomy Strategy**

# 5 grandes atividades no Programa específico do DS2

**Orçamento proposto (2014-2020): 3851 M€**

(5% orçamento H2020)



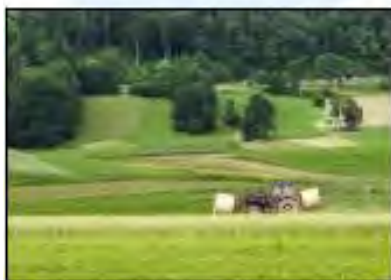
**Agricultura  
e silvicultura**

**Sector Agro-  
alimentar**

**Aquicultura  
e pescas**

**Bioindústrias  
e  
bioeconomia**

**Investigação  
marinha e  
marítima**









## Focus Area Call

# BG - Blue Growth

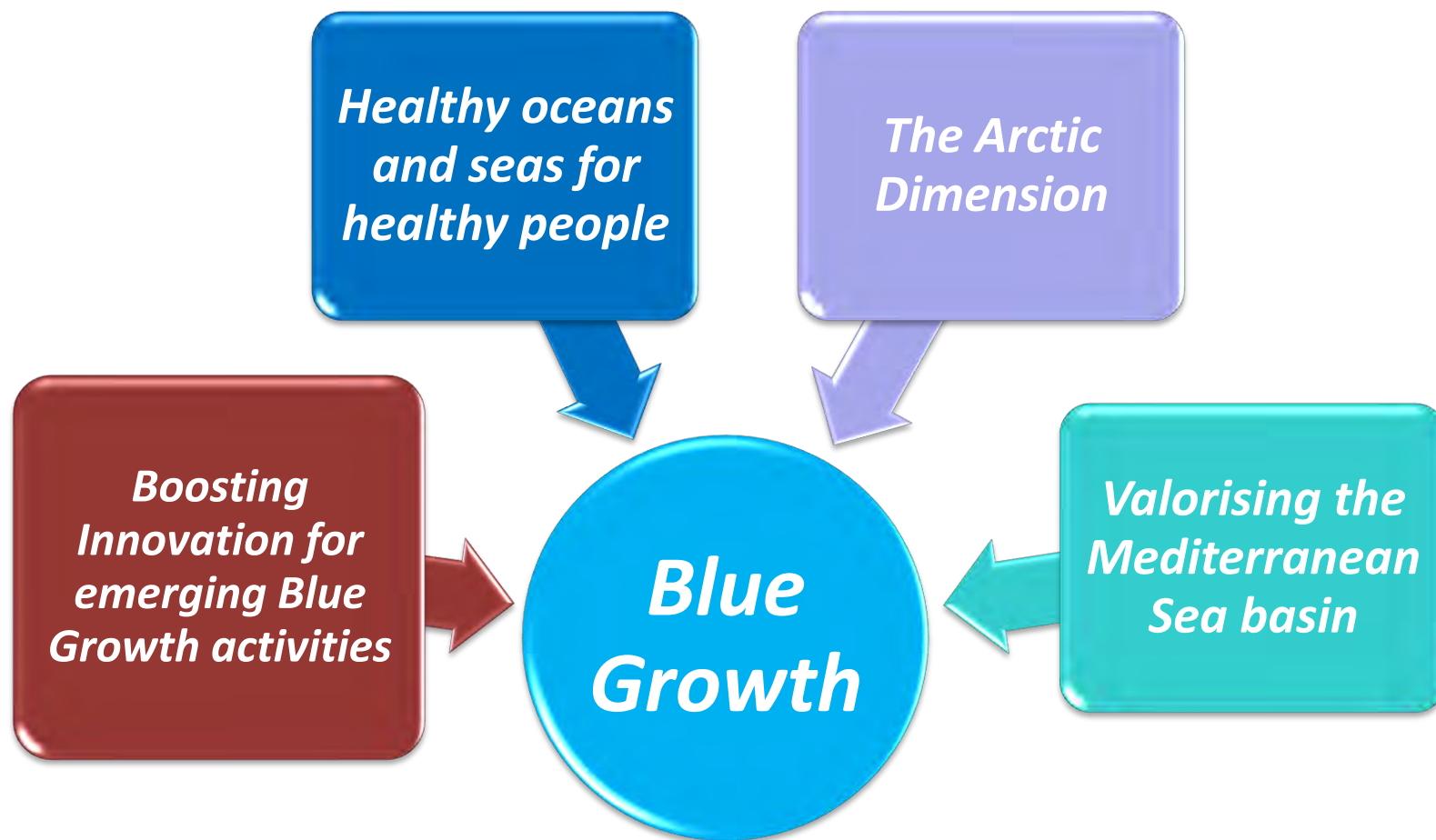
*129 M€ to demonstrate the innovation potential of the oceans*

Este concurso permitirá testar, demonstrar, aumentar a escala e trazer para o mercado tecnologias marinhas e marítimas produtos e serviços inovadores, assim como explorar as interações entre os oceanos e a saúde humana e fortalecer a capacidade europeia para observar e monitorizar os oceanos e bacias marítimas e melhorar as competências e conhecimentos dos profissionais que executam ações no âmbito da economia azul.

[http://ec.europa.eu/maritimeaffairs/policy/blue\\_growth/](http://ec.europa.eu/maritimeaffairs/policy/blue_growth/)



# Blue Growth: 4 áreas



# Boosting Innovation for emerging Blue Growth activities



## 5 tópicos – 57 M€

<b>BG1-2016</b>	Large-scale integrated <b>algae biorefineries</b> (IA, single stage)	22 M€ 2 projs
<b>BG2-2016/17</b>	High value-added <b>specialised vessel concepts</b> enabling more efficient servicing of emerging <b>coastal and offshore activities</b> (IA, single-stage)	15 M€ 1 proj 2016 1 proj 2017
<b>BG3-2016</b>	Multi-use of the <b>oceans marine space</b> , offshore and near-shore: compatibility, <b>regulations, environmental and legal issues</b> (CSA)	2 M€ 1 proj
<b>BG4-2017</b>	Multi-use of the <b>oceans marine space</b> , offshore and near-shore: <b>enabling technologies</b> (IA, single-stage)	8 M€ 1 proj
<b>BG5-2016</b>	ERANET COFUND on <b>marine technologies</b>	10 M€





# Healthy oceans and seas for healthy people

## 3 tópicos – 21 M€

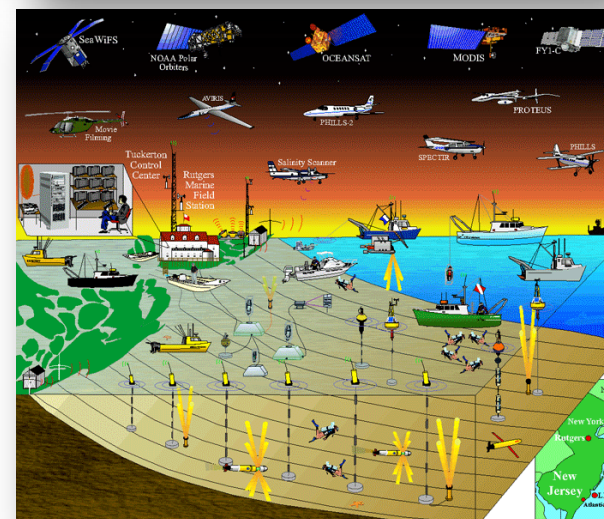
<b>BG6-2017</b>	<b>Interaction between humans, oceans and seas:</b> a strategic approach towards healthcare and wellbeing (CSA)	2 M€ 1 proj
<b>BG7-2017</b>	Blue green innovation for <b>clean coasts and seas</b> (IA, single-stage)	12 M€ 2 proj
<b>BG8-2017</b>	Innovative sustainable solutions for improving the <b>safety and dietary properties of seafood</b> (IA, single-stage)	7 M€ 1 proj



# The Arctic Dimension

## 3 tópicos – 40 M€

<p><b>BG9-2016</b></p>	<p>An integrated <b>Arctic Observing System</b> (RIA, single-stage)</p>	<p>15 M€ 1 proj</p>
<p><b>BG10-2016</b></p>	<p>Impact of <b>Arctic changes on the weather and climate</b> of the Northern Hemisphere (RIA, single-stage)</p>	<p>15 M€ 2 projs</p>
<p><b>BG11-2017</b></p>	<p><b>Climate impacts on Arctic permafrost</b> and its socio-economic impact, with a focus on coastal areas (RIA, single-stage)</p>	<p>10 M€ 1 proj</p>

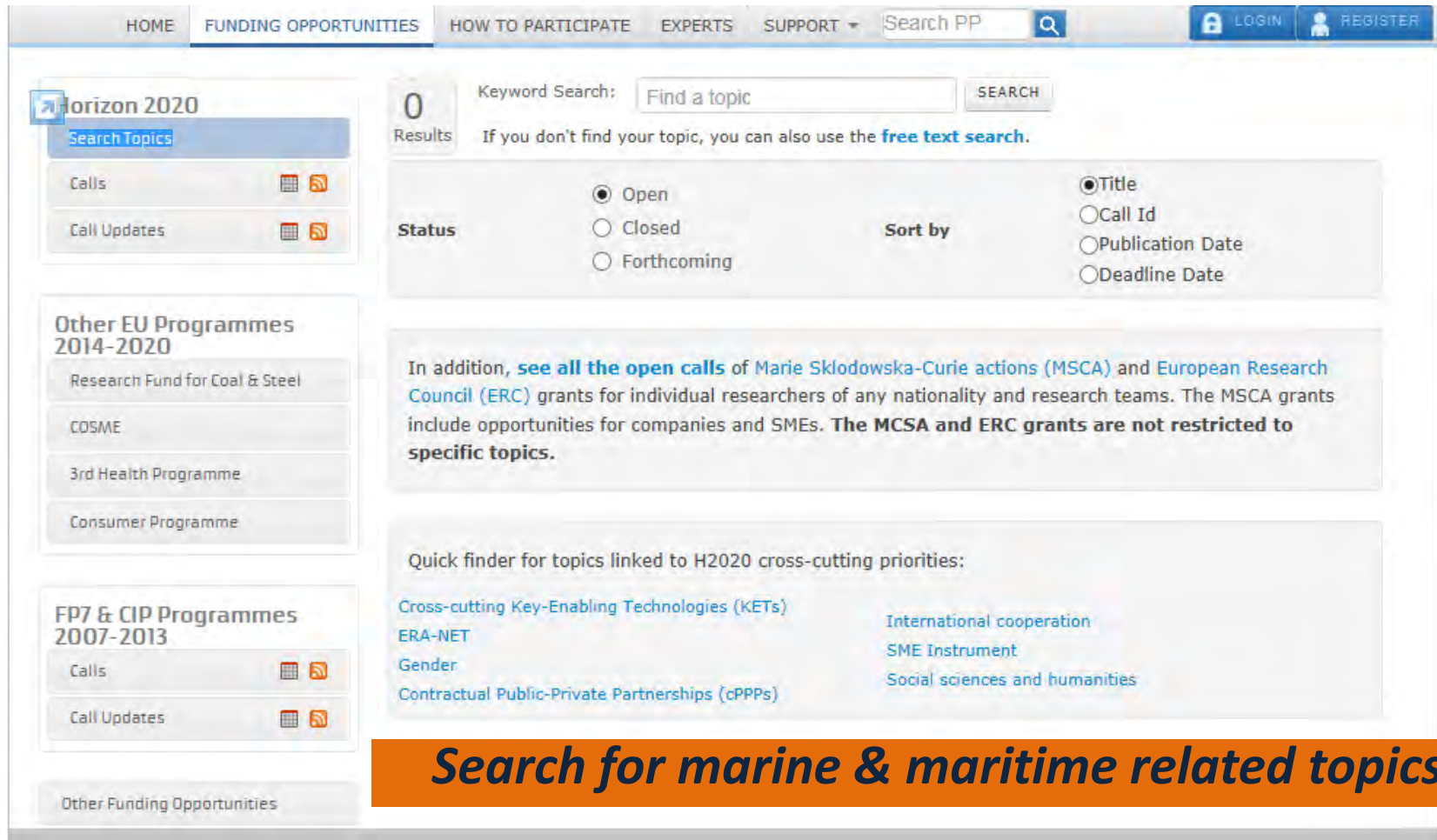


# Valorising the Mediterranean Sea basin

## 2 tópicos – 11 M€

<b>BG12-2016</b>	Towards an <b>integrated Mediterranean Sea Observing System</b> (RIA, single-stage)	8 M€ 1 proj
<b>BG13-2016</b>	Support to the <b>Blue Med Initiative</b> : Coordination of marine and maritime research and innovation activities in the Mediterranean (CSA)	3 M€ 1 proj





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Horizon 2020  
Search Topics  
Calls  
Call Updates

Other EU Programmes 2014-2020  
Research Fund for Coal & Steel  
COSME  
3rd Health Programme  
Consumer Programme

FP7 & CIP Programmes 2007-2013  
Calls  
Call Updates

Other Funding Opportunities

Keyword Search: Find a topic SEARCH

0 Results  
If you don't find your topic, you can also use the [free text search](#).

Status:  Open  Closed  Forthcoming

Sort by:  Title  Call Id  Publication Date  Deadline Date

In addition, [see all the open calls](#) of Marie Skłodowska-Curie actions (MSCA) and European Research Council (ERC) grants for individual researchers of any nationality and research teams. The MSCA grants include opportunities for companies and SMEs. **The MSCA and ERC grants are not restricted to specific topics.**

Quick finder for topics linked to H2020 cross-cutting priorities:

- Cross-cutting Key-Enabling Technologies (KETs)
- ERA-NET
- Gender
- Contractual Public-Private Partnerships (cPPPs)
- International cooperation
- SME Instrument
- Social sciences and humanities

***Search for marine & maritime related topics***



## DESAFIOS SOCIETAIS:

**SC2 (Bioeconomy):** *Topics on Aquaculture & Fisheries under Sustainable Food Security call (SFS) & on coastal-rural interactions under Rural Development call (RUR)*

**SC3 (Energy):** *Topics on ocean energy under Competitive Low Carbon Energy call (LCE) & mentions across other topics*

**SC4 (Transport):** *Topics on waterborne transport under Mobility for Growth (MG) & mentions in other parts*

**SC5 (Climate):** *Topics under Climate Services encompassing oceanic measurements; ocean climate, coastal areas, and plastic-free seas and oceans*

**SC7 (Security):** *Topics on data fusion and border security (border and external security call)*

## LIDERANÇA INDUSTRIAL – Tecnologias facilitadoras industriais (KET-NMBP):

*Topics on materials for buildings and infrastructure including offshore and on biotechnology opportunities for industry*



# Resilient, resource-efficient value chains



## Fisheries & Aquaculture

SFS20-2017	Towards a science-based <b>regionalisation of the Common Fisheries Policy</b> (RIA)	6 M€ 1 proj
SFS21-2016/17	Advancing basic biological knowledge and improving <b>management tools for commercially important fish and other seafood species</b> (RIA)	5 M€ 1 proj 2016 1 proj 2017
SFS22-2017	<b>Smart fisheries technologies</b> for an efficient, compliant and environmentally friendly fishing sector (IA, single-stage)	6 M€ 1 proj
SFS23-2016	Improving the <b>technical performance of the Mediterranean aquaculture</b> (RIA)	7 M€ 1 proj
SFS24-2016	Reinforcing <b>international cooperation on sustainable aquaculture production</b> with countries from South-East Asia (CSA)	2 M€ 1 proj



# Oportunidades de financiamento adicionais



<http://www.marinebiotech.eu/>



<http://www.jpi-oceans.eu/>



<http://www.oceaneranet.eu/>



<http://www.cofasp.eu/>



<http://www.jpi-oceans.eu/>

## FCT - Cooperação Transnacional

ERA-NETs: <https://www.fct.pt/apoios/cooptrans/eranets/>

JPIs: <https://www.fct.pt/apoios/cooptrans/jpi/>

## Info week on Societal Challenge 2 work programme 2016-2017

Published by [newsroom editor](#) on 08/06/2015

**Event date:** From 24/11/2015 to 27/11/2015  
**Venue:** Brussels, Belgium

Participate in the Brussels info-week on 24-27 November and learn more about the new Horizon 2020 work programme 2016/2017 for Societal Challenge 2: Food security, sustainable agriculture and forestry, maritime and martime inland water research and bio-economy.

The Infoweek will start with a **workshop on the multi-actor approach and thematic networks, on 24 November**, followed by the **Infoday, on the 25th** and a **brokerage event on the 26th**. These events are open to interested stakeholders and the public at large.

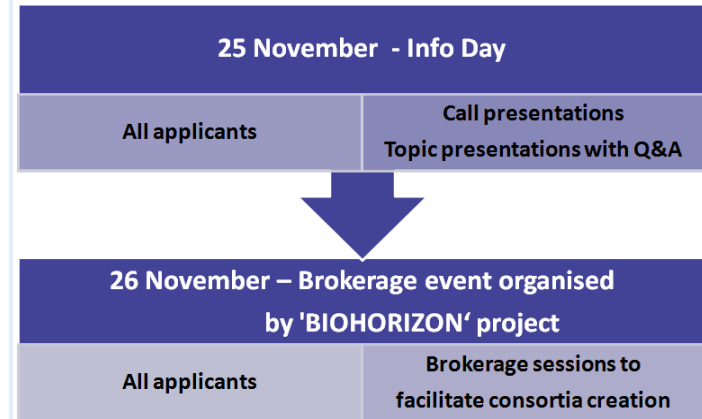
The week ends with the meeting of the **national contact points** and of the **BIOHORIZON Advisory Board**, on 27 November, open to the concerned participants only.

See [here](#) a **schematic representation of the week**.

### Practical information and registration

- **24/11 - Workshop "Interactive innovation in motion: multi-actor projects and thematic networks under Horizon 2020"**: look at the [dedicated page](#) which features the agenda. Registration opens [here](#) on **Monday 19 October at 12:00** (noon), Brussels time.
- **25/11 - Infoday on SC2 calls 2016** - The InfoDay is organised by the Research Executive Agency. Registration has been opened on 26 October. You will find the **registration link** at the bottom of the [event page](#).
- **26/11 - Brokerage event** - The brokerage event is organised by the BIOHORIZON project. Information and registration [here](#).

<http://ec.europa.eu/programmes/horizon2020/en/news/info-week-societal-challenge-2-work-programme-2016-2017>



### Blue Growth and SFS marine topic

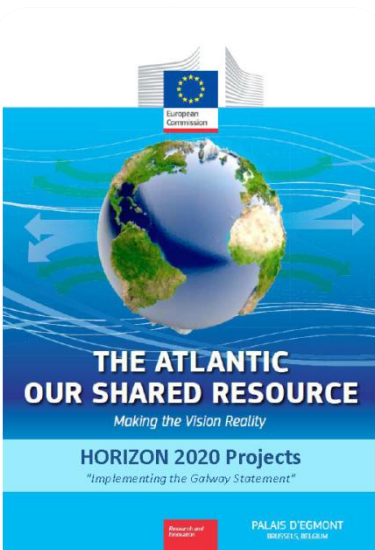
SFS topics on aquaculture and fisheries - SME Instrument

Boosting innovation for emerging Blue Growth activities

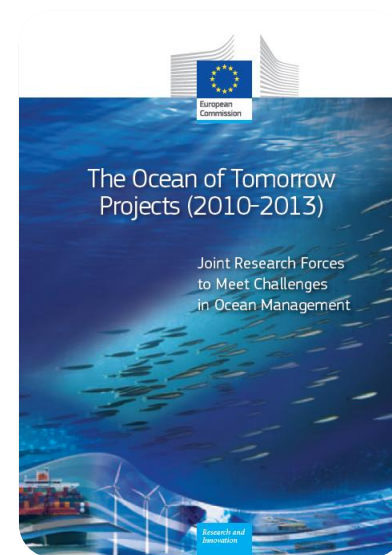
The Arctic Dimension

Valorising the Mediterranean Sea Basin



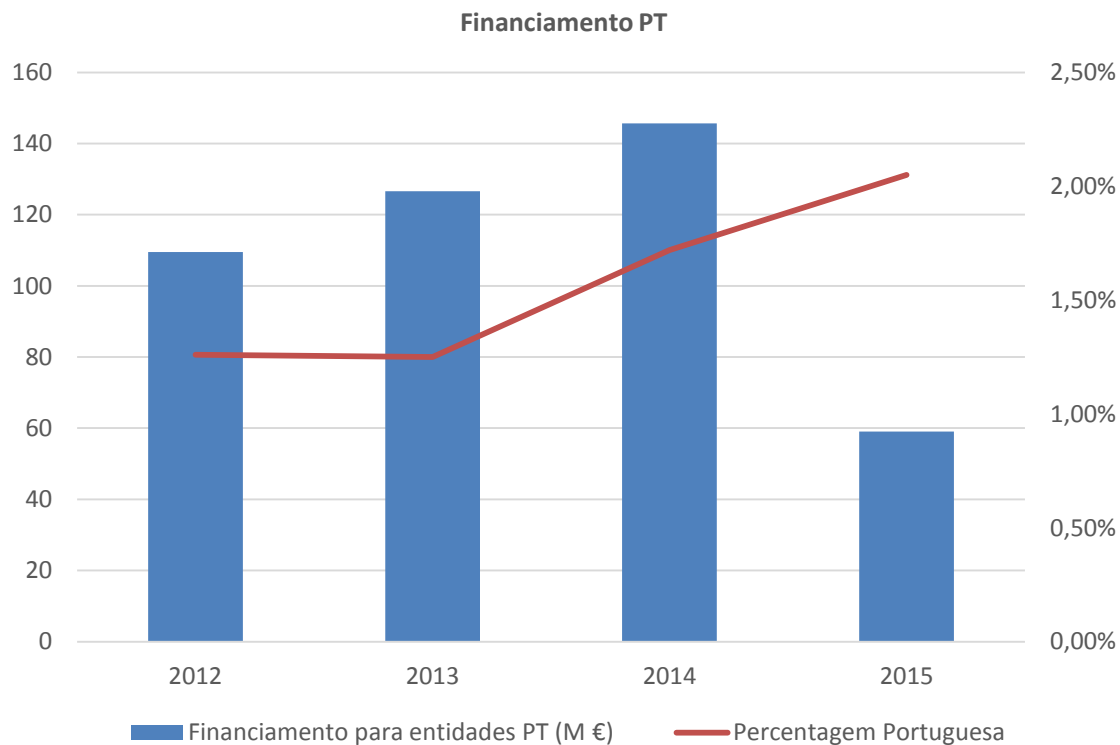


**EU funded marine and maritime research - Catálogos de Projetos -**





# Resultados da participação nacional no H2020 (2014 & 2015)



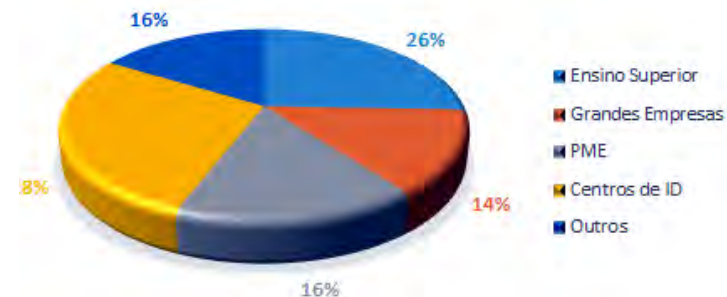
Valores relativos a ca. 35% do orçamento de 2015.

# Resultados da Participação nacional 2014/2015

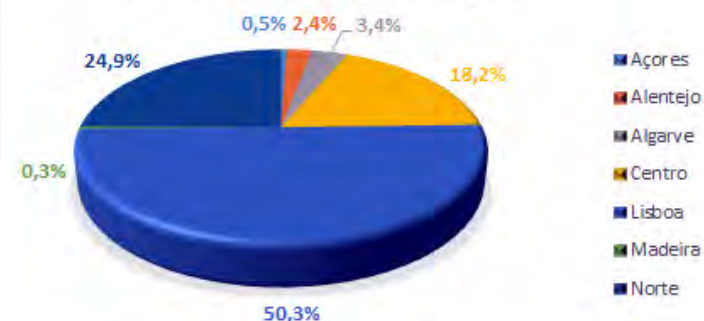
Dados preliminares (16/09/2015)

	2014	2015	Total	
Projetos Aprovados PT	306	107	413	
Projetos Coordenados PT	70	27	97	
Propostas Apresentadas PT	2194	1211	3405	
Propostas Coordenadas PT	811	327	1138	
Taxa de sucesso PT	13,95 %	8,84 %	12,13 %	
Propostas Apresentadas UE	34.217	12.881	46.898	
Projetos Aprovados UE	4.716	1.100	5.816	
Taxa de sucesso UE	13,78 %	8,67 %	12,40 %	
Número de Participações PT (propostas retidas p/a financiamento)	Ensino Superior	115	34	149
	Grandes Empresas	59	23	82
	PME	66	29	95
	Centros de Investigação	108	54	162
	Outros	78	17	95
	Total	426	157	583

Participação PT por Tipo de Entidade



Participação PT por Região



**Resultados de 2015:** aprox. 1/3 dos concursos apurados;

As entidades nacionais participam em **413 projetos do H2020**

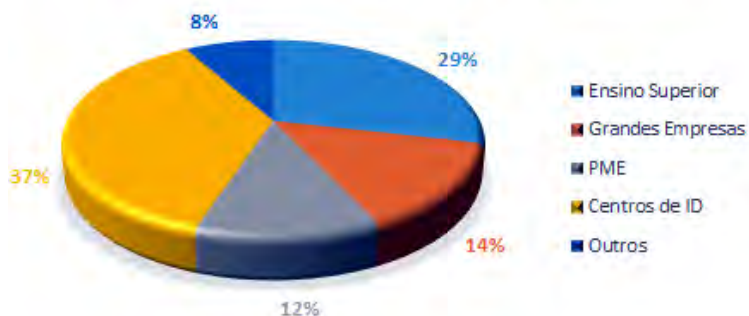
Estes projetos resultam de 3.405 propostas submetidas e correspondem a uma **taxa de sucesso de 12,13%** face a 12,40% de média da UE.



# Resultados da Participação Nacional 2014/2015

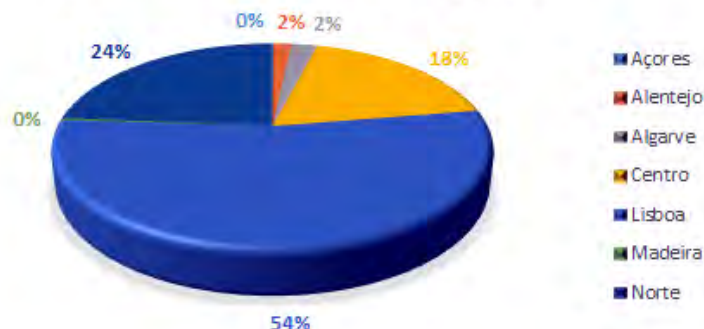
Dados preliminares (16/09/2015)

## Financiamento PT por Tipo de Entidade



		2014	2015	Total
Financiamento para entidades PT (M €)		145,70	59,07	204,77
Financiamento atribuído pela UE (M €)		8.481,91	2.878,04	11.359,96
Porcentagem Portuguesa		1,72 %	2,05 %	1,80 %
Financiamento para entidades (M €)	Ensino Superior	45,85	12,76	58,61
	Grandes Empresas	16,29	13,01	29,30
	PME	15,77	9,22	25,00
	Centros de Investigação	57,22	17,91	75,14
	Outros	10,57	6,16	16,72

## Financiamento PT por Região (M€)

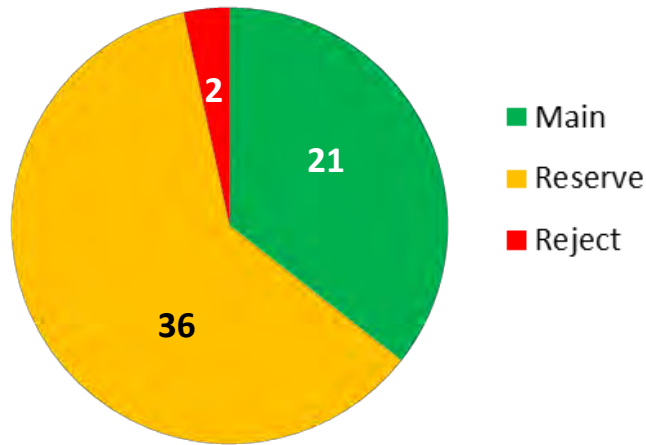


As entidades nacionais obtiveram financiamento da UE no total de **204,77 M €** em projetos do Horizonte 2020

Este valor corresponde a **1,80 %** do financiamento total da UE no Horizonte 2020

**Resultados de 2015:** aprox. 1/3 dos concursos apurados;

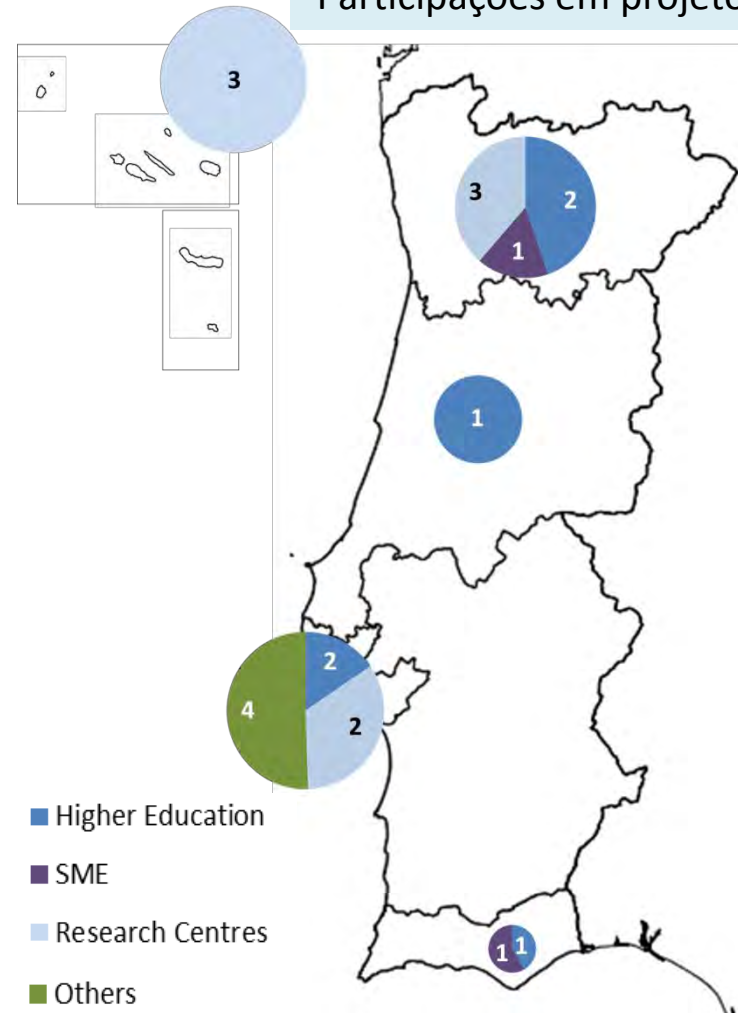
Participações PT em propostas submetidas na *call Blue Growth*



Total = 58 propostas

Resultados Blue Growth		
	2014	2015
Nº de projetos PT	9	4
Nº de participações PT	14	7
Projetos coordenados PT	0	0
% PT	3,03%	4,88%

Participações em projetos aprovados



# Participação nacional nos concursos BG-2014 & BG-2015

## Ensino Superior:



## Centros de Investigação:

**IST-ID**

Associação do Instituto Superior Técnico  
para a Investigação e Desenvolvimento



**ciimar**



instituto português  
do mar e da atmosfera

## PME:



**Sagremarisco**  
Viveiros de marisco Lda

## Outros:



**DRAM**  
Gov. Açores



**FCT**  
Fundação para a Ciência e a Tecnologia



Gabinete de Promoção dos Programa Quadro ID&I



# Exemplos de projetos c/ envolvimento nacional → I&I marinha & marítima



## AtlantOS

Project reference: 633211  
Funded under: [H2020-EU.3.2.](#)

IMAR: 250.000€  
CIIMAR: 68,750€  
Ualg: 49.998€

**Optimizing and Enhancing the Integrated Atlantic Ocean Observing System**

From 2015-04-01 to 2019-07-01, ongoing project



## MINOUW

Project reference: 634495  
Funded under: [H2020-EU.3.2.](#)

CCMAR: 437.500€

**Science, Technology, and Society Initiative to minimize Unwanted Catches in European Fisheries**

From 2015-03-01 to 2019-03-01, ongoing project



## NOMORFILM

Project reference: 634588  
Funded under: [H2020-EU.3.2.](#)

UC: 505.821€  
CIIMAR: 322.300€

**Novel marine biomolecules against biofilm. Application to medical devices.**

From 2015-04-01 to 2019-04-01, ongoing project



# Como participar melhor no H2020?

- ✓ Colaborar na elaboração dos concursos... **participar nas Plataformas Europeias** que aconselham a Comissão (ex. EATIP, TP OCEAN);
- ✓ Acompanhar a dinâmica do *networking* europeu;
- ✓ Estabelecer parcerias através das **redes de contactos**;
- ✓ Procurar apoios e informação → **rede NCPs**;
- ✓ Ser **avaliador de propostas** na Comissão pode ser um “treino” excelente para ver o que é uma proposta ganhadora.
- ✓ **Ter BOAS IDEIAS**, visão europeia e excelência técnico-científica!





## LINKS ÚTEIS:

- Site GPPQ: <http://www.gppq.pt>
- Horizon 2020: [http://ec.europa.eu/research/horizon2020/index\\_en.cfm](http://ec.europa.eu/research/horizon2020/index_en.cfm)
- Europa FP7 website: [http://ec.europa.eu/research/fp7/index\\_en.cfm](http://ec.europa.eu/research/fp7/index_en.cfm)
- CORDIS Projects & Results Service:  
[http://cordis.europa.eu/projects/home\\_en.html](http://cordis.europa.eu/projects/home_en.html)
- Participant Portal:  
<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>



## Bioeconomia:

Bio Economia  
BB1  
Biotecnologia



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Bio Economia



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## Energia:

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