

HORIZONTE 2020

oportunidades para preservar a biodiversidade e
o serviço dos ecossistemas

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eficiência de recursos e matérias-primas” do Horizonte 2020

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GPPQ – Gabinete de Promoção do Programa-Quadro

Mandato do GPPQ

- Promoção da participação portuguesa no PQ
- Veículo de informação entre a Comissão Europeia e as entidades nacionais
- Apoio à participação nacional (participação nas redes europeias, divulgação, formação, etc.)
- Acompanhamento da participação nacional nos projectos em curso
- Coordenação da rede de **Pontos de Contacto Nacionais** (NCP)
- *Helpdesk*



The screenshot displays the official website of the Gabinete de Promoção do Programa-Quadro de I&DT (GPPQ). The header features the GPPQ logo and a navigation bar with links to various thematic areas: AMB, TRAN, SSH, SPACE, SEC, IDEAS, PRESS, INFRA, SME, and REG. Below the header, a green navigation bar contains links for 7º PQ, Calls, Eventos, Notícias, PME, Apoio, and Links. The main content area is divided into several sections: 'Catálogo de Projectos com Coordenação Portuguesa no 7º PQ' featuring a book cover titled '7th Framework programme cooperation PROJECTS WITH PORTUGUESE COORDINATION'; 'GPPQ | Gabinete de Promoção do Programa-Quadro de I&DT' providing an overview of the GPPQ's mission and contact information; 'Destaque' highlighting key events and news items; and 'Eventos' listing upcoming events. The contact information for the NCP coordinator, Eduardo Maldonado, is provided at the bottom right.

www.gppq.fct.pt

A ESTRATÉGIA UE2020

- ❖ Estratégia UE2020-Uma estratégia para o **crescimento inteligente, sustentável e inclusivo**
- ❖ **sete iniciativas emblemáticas** para potenciar a competitividade e o emprego
- ❖ A União da Inovação → **HORIZONTE 2020**



HORIZONTE 2020

O maior programa de financiamento de I&I na UE



- Um **único programa** que reúne três iniciativas/programas *
- **Acoplar a investigação à inovação** – todas as formas de inovação
- **Focalizado em Desafios Societais que afetam a sociedade Europeia** e.g. saúde, energia limpa, alterações climáticas,
- **Acesso simplificado** a todas as empresas, universidades e institutos dentro e fora da Europa

**The 7th Research Framework Programme (FP7)*



+

Competitiveness and Innovation Framework Programme (CIP)



+

European Institute of Innovation and Technology (EIT)





Excelência Científica

- *Bottom up*
- ERC, *European Research Area (ERA)*

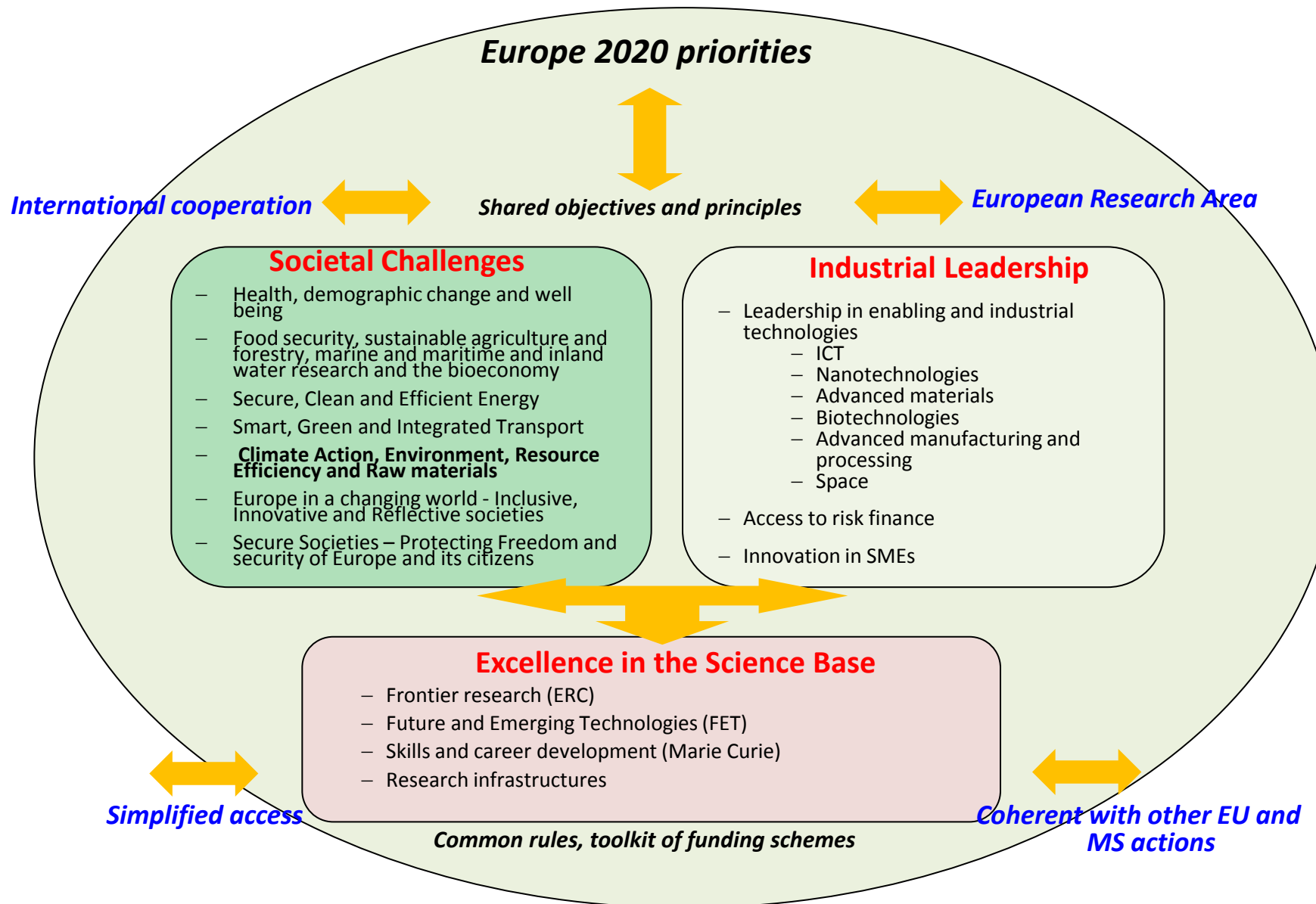
Desafios Societais

- Top down → focalizado em resultados
- Saúde, bioeconomia, energia limpa, transportes verdes, ação climática, sociedades inclusivas

Liderança Industrial

- Liderança em tecnologias chave facilitadoras
- Financiamento de risco e inovação

HORIZONTE 2020 – estrutura geral





Sustainable Development is an overarching objective of Horizon 2020 → a cross-cutting SD target

*"The dedicated funding for climate action and resource efficiency will be complemented through the other specific objectives of Horizon 2020 with the result that **at least 60% of the total Horizon 2020 budget will be related to sustainable development**, the vast majority of this expenditure contributing to **mutually reinforcing climate and environmental objectives**. It is expected that around **35% of the Horizon 2020 budget will be climate related expenditure**"*

A biodiversidade e o serviço dos ecossistemas no HORIZONTE 2020 (2014-2020)

Desafio Societal 2 “Segurança alimentar, agricultura e silvicultura sustentáveis, investigação marinha, marítima e de águas interiores e a bioeconomia”

Sustainable agriculture and forestry

- *more productive, environmentally friendly resource-efficient and resilient agriculture and forestry systems that supply sufficient food, feed, biomass and other raw materials and deliver ecosystems services while at the same time protecting biodiversity*
- *better understanding of the complex interactions between primary production systems and ecosystems services and will support the provision of these public goods and services*

Unlocking the potential of aquatic living resources

- *further explore and exploit the large potential offered by marine biodiversity and aquatic biomass*
- *New insights, tools and models will be developed to improve understanding of what makes marine ecosystems healthy and productive and to assess, evaluate and mitigate the impact of fisheries on marine ecosystems (including deep sea).*

A biodiversidade e o serviço dos ecossistemas no HORIZONTE 2020 (2014-2020)

Desafio Societal 5 “Ação climática, ambiente, eficiência de recursos e matérias-primas”

Fighting and adapting to climate change

- *adverse impacts of climate change on biodiversity, ecosystems and ecosystem services,*

Protecting the environment, sustainably managing natural resources, water, biodiversity and ecosystems

- *how biodiversity and ecosystems function and react to anthropogenic impacts, how they can be restored, and how this will affect economies and human well-being*
- *development of systems to value biodiversity and ecosystem services, including understanding the stock of natural capital and the flow of ecosystems services.*
- *the resilience of societies and ecosystems to pollutants and pathogens and to catastrophic events*

Proposta para o ciclo de Programas de Trabalho do HORIZONTE 2020

2014	2015	2016	2017	2018	2019	2020
Strategic Programme						
Work Programme 1 (plus tentative information for 2016)		Strategic Programme				
		Work Programme 2 (plus tentative information for 2018)		Strategic Programme		
				Work Programme 3 (plus tentative information for 2020)		
						Work Programme 4

Mudança de paradigma

- ✓ **Abordagem holística** baseada em desafios
- ✓ Investigação **trans-, multi- e interdisciplinar**
- ✓ Projectos orientados p/ o **mercado**
- ✓ Exploração dos resultados de I&DT – **cobertura de todo o ciclo de inovação**
- ✓ **Ciências sociais e humanidades** – presença ‘transversal’

Biodiversidade e serviços dos ecossistemas

Tópicos de I&I a concurso em 2014-2015 – Desafio Societal 5

	2014	2015	EU contribution/ project	Type project
Biodiversity and ecosystem services: drivers of change and causalities • <i>Integrated <u>socio-economic-ecological framework</u></i> • <i>Develop innovative <u>ecosystem service management concepts</u>, common frameworks and tools for the conservation and sustainable management of biod and ecosystem services...</i>	X		5-10 M€	RIA two-stage
More effective ecosystem restoration in the EU		X	5-7 M€	RIA two-stage
Consolidating the European Research Area on biodiversity and ecosystem services	X			ERAnet
Coordinating and supporting research and innovation for the management of natural resources a) <u>mapping ecosystems and their services</u> (2014) b) <u>soil, land-use and land management in Europe</u> (2014) c) <u>policy on biodiversity & ecosystems services</u> (2015)	X X	X		CSA one-stage
Making Earth Observation and monitoring Data usable for ecosystem modelling and services • <i>State and temporal evolution of ecosystems in existing <u>internationally recognized protected areas</u>...</i> • <i>Pilot actions in <u>selected protected areas</u> ...</i>	X		8-15 M€	RIA two-stage

Encerramento dos tópicos 2014: 1ª fase → 8 Abr 2014 | 2ª fase → 16 Set 2014

Participants Portal → Publicação dos tópicos a concurso no H2020, guias para a preparação das propostas e serviço online de submissão



The screenshot shows the top section of the European Commission's Research & Innovation Participant Portal. At the top left is the European Commission logo. To its right, the text "RESEARCH & INNOVATION" is displayed in a large, blue, sans-serif font, with "Participant Portal" in a smaller font below it. A blue navigation bar contains the breadcrumb "European Commission > Research & Innovation > Participant Portal > Home" and a menu with items: HOME, FUNDING OPPORTUNITIES, HOW TO PARTICIPATE, EXPERTS, and SUPPORT. On the right of this bar are "LOGIN" and "REGISTER" buttons. Below the navigation bar, the main heading "Research and Innovation Funding" is centered. A paragraph states: "On this site you can find and secure **funding** for research & innovation projects under the following EU programmes:". This is followed by a bulleted list: "• 2014-2020 Horizon 2020 - research and innovation framework programme" and "• 2007-2013 7th research framework programme (FP7) and Competitiveness & Innovation Programme (CIP)". Below this, two columns of user instructions are provided. The "Non-registered users" column lists: "• search for funding", "• read the funding guide & download the legal documents", "• check if an organisation is already registered", and "• contact our support services or check our FAQs". The "Registered users" column lists: "• submit your proposal", "• sign the grant", and "• manage your project throughout its lifecycle". At the bottom, a row of six colorful icons with labels is displayed: "WHAT'S NEW?" (a circuit diagram), "FUNDING OPPORTUNITIES" (a map of Europe with stars), "HOW TO PARTICIPATE" (a document with a pencil), "WORK AS AN EXPERT" (a head profile with gears), "MY PERSONAL AREA" (a desk with a laptop and charts), and "INFORMATION AND SUPPORT" (a person wearing a headset).

European Commission

RESEARCH & INNOVATION

Participant Portal

European Commission > Research & Innovation > Participant Portal > Home

HOME FUNDING OPPORTUNITIES HOW TO PARTICIPATE EXPERTS SUPPORT

LOGIN REGISTER

Research and Innovation Funding

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 7th research framework programme (FP7) and Competitiveness & Innovation Programme (CIP)

Non-registered users

- search for funding
- read the funding guide & download the legal documents
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Registered users

- submit your proposal
- sign the grant
- manage your project throughout its lifecycle

WHAT'S NEW? FUNDING OPPORTUNITIES HOW TO PARTICIPATE WORK AS AN EXPERT MY PERSONAL AREA INFORMATION AND SUPPORT

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

HORIZONTE 2020- Critérios de Avaliação

EXCELÊNCIA

- Clareza dos objetivos
- Solidez do conceito, incluindo considerações transdisciplinares
- Credibilidade da abordagem proposta
- Progresso para além do estado da arte

IMPACTO ...contribuição para:

- Impacto expectavel evidenciado no Programa de Trabalhos
- Aumentar a capacidade de inovação e a integração de conhecimento novo
- Fortalecer a competitividade e o crescimento das empresas através do desenvolvimento de inovação que vá de encontro às necessidades dos mercados Europeu e global
- Medidas para disseminar e explorar os resultados (disseminação, comunicação, exploração dos resultados,...)



IMPLEMENTAÇÃO

- Coerência e efetividade do plano de trabalhos (incluindo a descrição das *work packages*) ... alocação de tarefas, recursos
- Competência, experiência e complementaridade dos participantes e do consórcio
- Adequabilidade das estruturas e procedimentos de gestão ... gestão de risco e planos de contingência

Prepare o seu caminho para o HORIZONTE 2020

Potencie o *networking* e as relações com potenciais parceiros

- Participando em eventos nacionais/internacionais
- Inscrevendo-se na base de dados de **avaliadores da UE**
<http://ec.europa.eu/research/participants/portal/page/experts>
- Base de dados de **projetos financiados**
http://cordis.europa.eu/projects/home_en.html
- **Procura/oferta** de parcerias
<https://cordis.europa.eu/partners/web/guest/home>
<https://www.nks-umwelt.de/partnersuche> (apenas para o DS5)

GPPQ - FCT

Gabinete de Promoção do PQ



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A equipa de
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