



Gabinete de Promoção do
Programa Quadro ID&I

Horizonte 2020 oportunidades de financiamento na temática da água, biodiversidade, cidades sustentáveis e economia circular

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FCUP, Porto

10/07/2018

THE EU FRAMEWORK PROGRAMME
FOR RESEARCH AND INNOVATION

HORIZON 2020



EXCELLENT SCIENCE
COMPETITIVE INDUSTRIES
BETTER SOCIETY

Excellent Science

~ 24 400 M€

- **European Research Council**

Frontier Research by the best individual teams

- **Future and Emerging Technologies**

Collaborative research to open new fields of innovation

- **Marie Skłodowska-Curie Actions**

Opportunities for training and career development

- **Research Infrastructures**

(including e-infrastructure)

Ensuring access to world class facilities

Bottom up

Industrial Leadership

~ 17 800 M€

- **Leadership in Enabling and Industrial Technologies**

Space, ICT, NMBP
(nanotechnologies, advanced materials, biotechnology, manufacturing)

- **Access to Risk finance**

Leveraging private finance and venture capital for research

- **Innovation in SMEs**

Fostering all forms of innovation in all types of SMEs

Top down

Societal Challenges

~ 29 700 M€

1. Health, demographic change and wellbeing

2. Food security, sustainable agriculture, marine and maritime research & the bioeconomy

3. Secure, clean and efficient energy

4. Smart, green and integrated transport

5. Climate action, environment, resource efficiency and raw materials

6. Inclusive, innovative and reflective societies

7. Security society

Top down

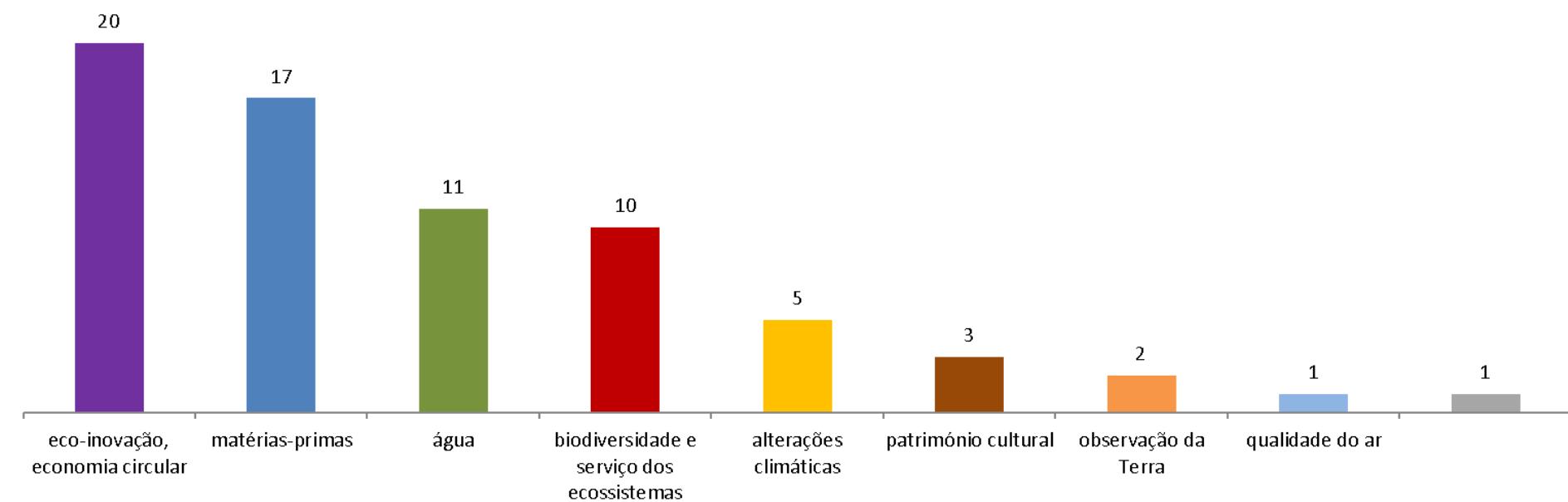
Participação Nacional Desafio Societal

Ação climática
2014-2017

- **Propostas: 240**
- **Projetos aprovados: 70**
- **Projetos coordenados: 4** (LNEC, DEIMOS, FCT, CES-UCoimbra)
- **Participantes: 133**
- **Financiamento para PT**



PARTICIPAÇÃO PT no DS Ação Climática (2014 – 2017)



Desafio Societal Ação Climática participação nacional



Gabinete de Promoção do Programa Quadro ID&I



Fundação para a Ciéncia e a Tecnologia



AGÊNCIA NACIONAL
DE INOVAÇÃO

HORIZONTE 2020

Desafio Societal 5 - Ação Climática, Ambiente, Eficiência de Recursos e Matérias-Primas



PROJETOS APROVADOS com PARTICIPAÇÃO NACIONAL
(2014-2017)

http://www.gppq.fct.pt/h2020/_docs/brochuras/env/projetos_pt_h2020_ambiente_2014-2017.pdf

oportunidades 2019-2020

Principais iniciativas e políticas

Programa de Trabalhos 2018-2020 do Desafio Societal Ação climática, eficiência de recursos e matérias-primas

- *Circular Economy Package*
- *COP21 Paris Agreement*
- *UN Sustainable Development Goals (SDGs)*
- *2030 Climate and Energy Framework*
- *Bioeconomy Strategy*
- *European Industrial Renaissance*

http://ec.europa.eu/research/participants/data/ref/h2020/wp/2018-2020/main/h2020-wp1820-climate_en.pdf

Orientações Programa de Trabalhos 2018-2020

*Call Building a low-carbon, climate
resilient future:
climate action in support of the
Paris Agreement*

Decarbonisation

Climate adaptation, impacts and services

Inter-relations between climate change,
biodiversity and ecosystem services

The Cryosphere

Knowledge gaps

Earth Observation

*Call Greening the economy in line with
the Sustainable
Development Goals (SDGs)*

Connecting economic and environmental gains
– the circular economy

Raw materials

Water for our environment, economy and
society

Innovating cities for sustainability and resilience

Protecting and leveraging the value of our
natural and cultural assets - Earth observation

Protecting and leveraging the value of our
natural and cultural assets - NBS, disaster risk
reduction and natural capital accounting

Protecting and leveraging the value of our
natural and cultural assets - Heritage alive

*Call "Greening the economy in line with the Sustainable Development Goals (SDGs)"
Connecting economic and environmental gains - the circular economy*

CE-SC5-04a-2019: Building a water-smart economy and society - Symbiosis between industry and water utilities

72 M€

CE-SC5-04b-2019: Building a water-smart economy and society - Large scale applications with multiple water users at various relevant scales



Two-stage: 19 Fev 2019 | 4 Set 2019
10-15 M€ por projeto
Innovation Action (IA)

*Call "Greening the economy in line with the Sustainable Development Goals (SDGs)"
Connecting economic and environmental gains - the circular economy*

**CE-SC5-07-2018-2019: Raw materials innovation for the circular economy:
sustainable processing, reuse, recycling and recovery schemes**

- b) Recycling of raw materials from **end-of-life products** (2018, 2019)
- c) Recycling of raw materials from **buildings** (2018, 2019)
- d) Advanced **sorting systems** for high-performance recycling of **complex end-of-life products** (2018, 2019)



30 M€

Two-stage

2019: 1st phase: 19 Feb 2019 | 2nd phase : 4 Sept 2019

8-13 M€ por projeto
Innovation Action (IA)

*Call "Greening the economy in line with the Sustainable Development Goals (SDGs)"
Innovating cities for sustainability and resilience*

SC5-13-2019 - Strengthening international cooperation on sustainable urbanisation: nature-based solutions for restoration and rehabilitation of urban ecosystems

b) Strengthening EU-CELAC collaboration

10 M€



Two-stage: 19 Fev 2019 | 4 Set 2019
5 M€ por projeto
Innovation Action (IA)

*Call "Greening the economy in line with the Sustainable Development Goals (SDGs)"
Innovating cities for sustainability and resilience*

SC5-14-2019: Visionary and integrated solutions to improve well-being and health in cities

43 M€



Two-stage: 19 Fev 2019 |
4 Set 2019
10 M€ por projeto
Innovation Action (IA)

Projetos Europeus financiados pelo H2020 na área das Cidades Sustentáveis e Inteligentes - *nature-based solutions (NBS) in cities*

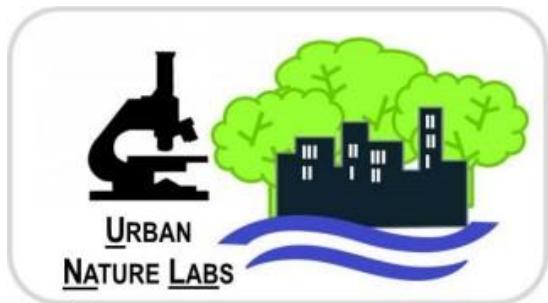
Abordagem em 2016 → *font-runner cities + follower cities*
Demonstrating innovative NBS in cities
climate and water resilient urban areas



New Strategy for RE-Naturing Cities
through Nature-Based Solutions
<https://www.urbangreenup.eu/>



Coproduction with Nature for City
Transitioning, Innovation and Governance
<http://www.connectingnature.eu/>



Nature-based solutions for urban challenges
<https://www.unalab.eu>



Green Cities for Climate and Water Resilience, Sustainable
Economic Growth, Healthy Citizens and Environments
<http://growgreenproject.eu/about/>

Projetos Europeus financiados pelo H2020 na área das Cidades Sustentáveis e Inteligentes - *nature-based solutions (NBS) in cities*

Abordagem em 2017 → *font-runner cities + follower cities*
Demonstrating innovative NBS in cities
for social cohesion



URBiNAT

Healthy corridors as drivers of social housing neighbourhoods for the co-creation of social, environmental and marketable NBS

EdiCitNet

Edible Cities Network - Integrating Edible City Solutions for social resilient and sustainably productive cities“

CLEVER Cities

Co-designing Locally tailored Ecological solutions for Value added, socially inclusivE Regeneration in Cities

proGIreg

productive Green Infrastructure for post-industrial urban regeneration

*Call "Greening the economy in line with the Sustainable Development Goals (SDGs)"
Protecting and leveraging the value of our natural and cultural assets: Heritage alive*

SC5-20-2019: Transforming historic urban areas and/or cultural landscapes into hubs of entrepreneurship and social and cultural integration

25 M€

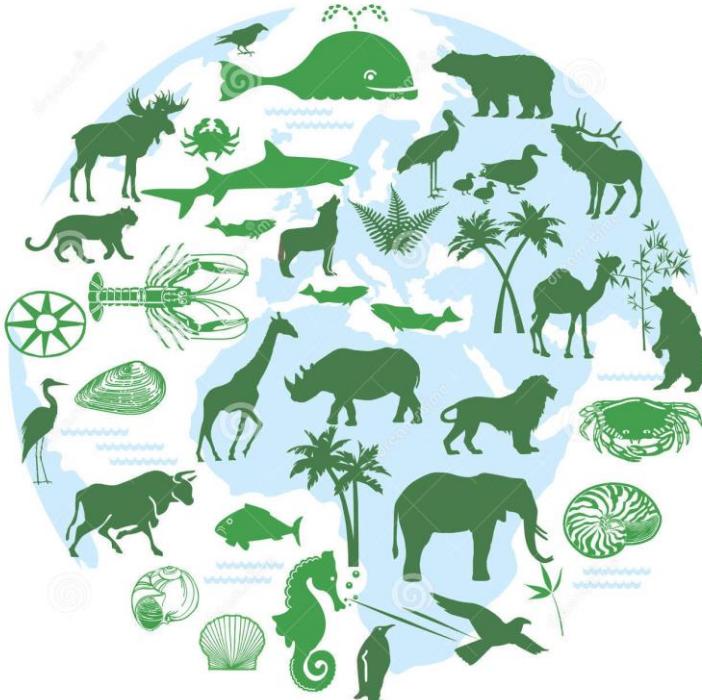


Two-stage: 19 Fev 2019 | 4 Set 2019
7-8 M€ por projeto
Innovation Action (IA)

Call - Building a low-carbon, climate resilient future: climate action in support of the Paris Agreement

Inter-relations between climate change, biodiversity and ecosystem services

LC-CLA-06-2019: Inter-relations between climate change, biodiversity and ecosystem services



25 M€

Two-stage: 19 Fev 2019 | 4 Set 2019
5-7 M€ por projeto
Research and Innovation Action (RIA)

ENCONTRAR OPORTUNIDADES DE FINANCIAMENTO NO H2020

PARTICIPANT PORTAL – Search Topics

Usando palavras-chave....

The screenshot shows the European Commission Research & Innovation Participant Portal. On the left, there's a sidebar with links for EU Programmes 2014-2020 (Search Topics, Call Updates, Calls, etc.) and FP7 & CIP Programmes 2007-2013 (Calls). The main area has a header "RESEARCH & INNOVATION Participant Portal". Below it, the URL is "European Commission > Research & Innovation > Participant Portal > Calls". The navigation bar includes HOME, FUNDING OPPORTUNITIES, HOW TO PARTICIPATE, EXPERTS, SUPPORT, and a search bar "Search PP" with a magnifying glass icon. A red box highlights the "Search Topics" link in the sidebar. Another red box highlights the "free text search" link in the search interface. A red arrow points from the "free text search" link to the text "...ou por texto livre" (Or by free text) in a red box at the bottom right. The search results show 145 results for the keyword "topic". The results list two entries:

- Topic: EU Prize for Women Innovators:WIP-01-2015**
Call title: EU Prize for Women Innovators
Call identifier: H2020-WIPRIZE-2015
- Topic: Horizon Prize – Collaborative Spectrum Sharing:SpectrumPrize-01-2015**
Call title: Horizon Prize – Collaborative Sharing of Spectrum
Call identifier: H2020-SpectrumPrize-2015
Status: Forthcoming
Deadline: 17-12-2015



Apoio para a preparação de propostas:

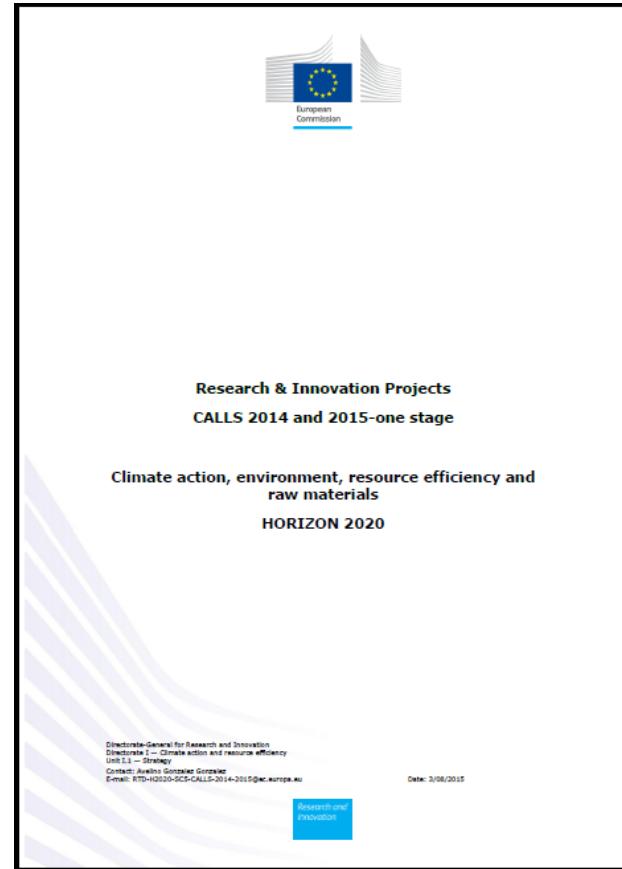
- [H2020 Online Manual](#)
- [Reference Documents](#)

Algumas sugestões



CONHECER os projetos/iniciativas que já existem e QUEM participa

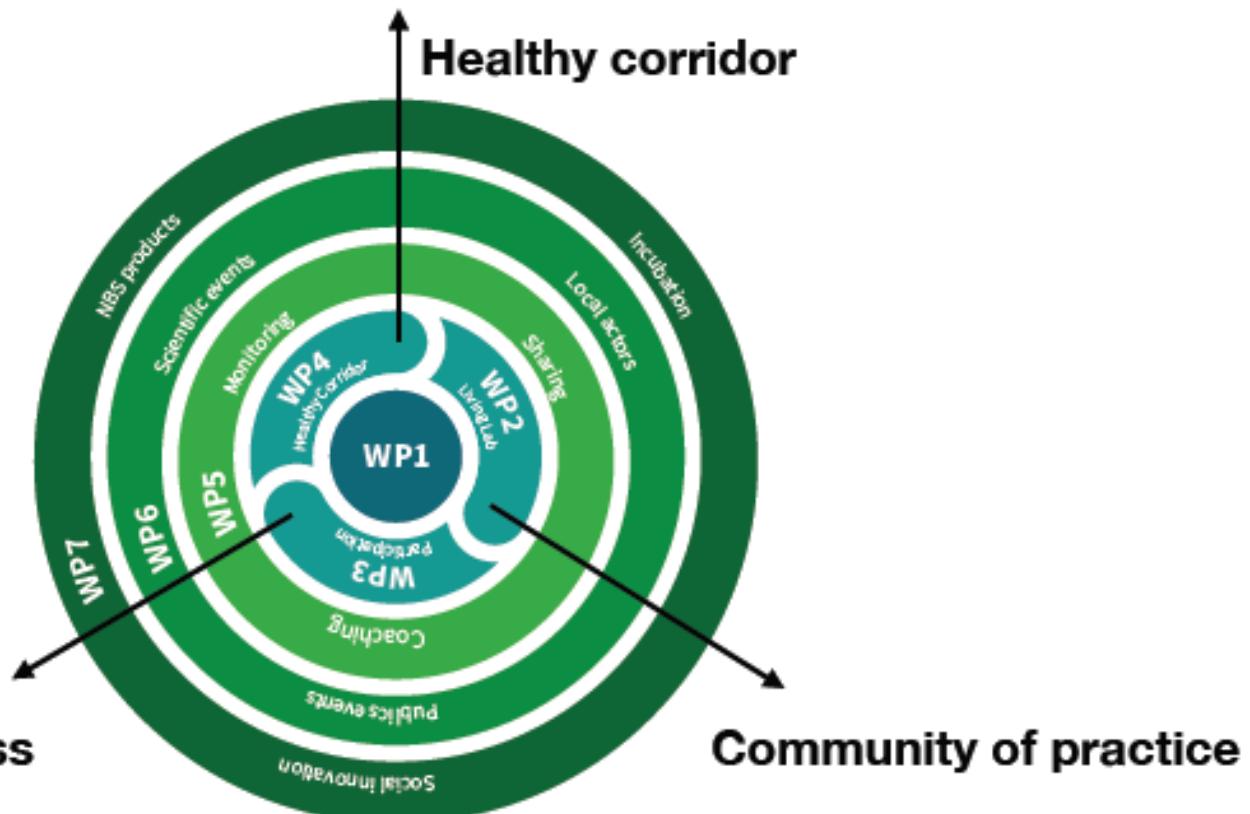
- sumário do projeto
- consórcio



http://www.gppq.fct.pt/h2020/_docs/brochuras/env/Research_Innovation_SC5_proj_2014_2015.pdf

CONHECER os projetos/iniciativas que já existem e COMO estão organizados

Projeto URBINAT
7 WorkPackages



Rede de NCPs ao nível a UE- NCPs CaRE

<http://www.ncps-care.eu/>



Search in the website

Recent Articles

What is LIFE?

14th June 2017

GEOSSS and COPERNICUS – Earth observation systems

31st May 2017

Business Idea Competition in Raw

Materials

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[Partner search tool](#)

[Survey on Partner Search Tool](#)

[Resources data hub](#)

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[more information NCPs CaRE](#)

Social Stream



Rede de NCPs ao nível a UE- NCPs CaRE

<http://www.ncps-care.eu/>

Climate action, Environment, Resource Efficiency and Raw Materials

Home About us Service to Applicants News Login

Useful guides

dos-and-donts-for-applicants.pdf

DOs and DON'Ts for applicants

Criteria	DO	DON'T
Excellence	<ul style="list-style-type: none">Define objectives clearly.Be ambitious, but stay realistic.Choose appropriate methodology.Choose relevant partners and reliable coordinator.Put effort on describing the state-of-art and proof of concept.Clear links with previous networks/projects and relevant policies.Engage interdisciplinary expertise.Stay accurate, concise throughout the proposalBring out the innovation potential.If something stays unclear, contact your NCP.	<ul style="list-style-type: none">Don't rush, poorly prepared proposal ruin even the most excellent plans.Don't repeat something that is already done.Don't forget to include partners from different regions, disciplines, stakeholder groups to compose a balanced consortium.Don't forget to show the credibility of your consortium.Don't hesitate to provide detailed description about your methodology, technical solutions etc. Superficial description of your processes is often brought out as a major shortcoming.If you have a novel approach – don't forget to describe it thoroughly and to support it with relevant references

Main weaknesses, their improvement possibilities and main strengths highlighted by evaluators

Criterion: Excellence	How to improve	Main strengths in proposals
Main weaknesses in proposals	<ul style="list-style-type: none">Lack of noveltyLack of originalityLack of clear objectivesLack of credibility of the proposed approachAmbitionPoor description of the state-of-the-artLack of precise indications of the advancements proposedLow TRLLack of clear cost calculationsNot fully covered scope of callRelation to the callNo link to industrial activityShort explanationsLack of tangible previous results specificationRepetition of already researched areas	<ul style="list-style-type: none">Elaborate on evaluation criteriaMore interdisciplinary expertiseMore clear descriptionMore emphasis on impacts of technical features to business modelClose cooperation with NCPsWider point of view of excellenceInclude more sub-criteria under excellenceEncourage new ideasTo have business or market related persons involved in writingFeasibility study should be attachedTo be more innovativeMore focus on the state-of-the-art and proof of conceptsShorter writing and more precise informationBetter guidelines on how to understand the scope of the callHaving the practical experience and know how in the field
Main strengths in proposals	<ul style="list-style-type: none">Objectives and methodologyPartnershipsVery detailed information - Relevant goalsTransdisciplinary considerationsInnovation potentialState of the artClear stated technical issuesHigh quality and linkages with previous or existing initiativesThe links with the Environmental EU / global challenges on energy/climate changeAbility to complement across countries and institutionsConcise, accurate and complete presentation	

evaluators-recommendations-for-applicants.pdf

Main weaknesses, their improvement possibilities and main strengths highlighted by evaluators

Criterion: Excellence

Main weaknesses in proposals	How to improve	Main strengths in proposals
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ESR-analysis.pdf

General observations based on ESR analysis:

Surprisingly, a large proportion of shortcomings were due to carelessness, which most probably were due to last minute submissions/hurry or rush. Here come some examples: Carelessly read the call text, related documents and forms - e.g. avoid simple mistakes as using a wrong template, do not ignore required aspects (e.g. gender issues, lack of quantification, missing reporting requirements, support letters etc.). Also other common mistakes are inconsistencies between Work Packages (WP), only one of the expected impacts is addressed but not all, repeated activities in several WPs etc. This kind of mistakes would be the easiest to avoid. In general, the more mistakes there are, therefore it is very important to start proposal preparations as early as possible.

Demonstration of coordinator's reliability was brought out in many ESRs. It shows that it is very important to carefully choose your coordinator and their role. One makes easier to evaluate your proposal, moreover, the background and previous activities of this organisation/partner (in the template - full proposal/2nd stage - part 3 „Implementation“).

It is better to provide more explanation, but at the same time keep a very clear focus of your project if the focus is too wide and not sufficiently justified there is a great risk that it is not understandable for the evaluator and it is not possible to ask questions or give additional explanations it can be seen as a major shortcoming. The evaluator has to get everything at once from the proposal.

All the numerical values should be supported by references, otherwise these are not convincing. Simultaneously try to keep the plane format (e.g. avoid too many footnotes).

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 642025

“PUBLICITAR” perfil de colaboração numa plataforma de procura de parceiros

The screenshot shows the European Commission Research & Innovation Participant Portal. At the top, there's a navigation bar with links for (A-Z), Sitemap, About this site, Contact, Legal Notice, and Search, along with an English language dropdown. Below this is a header with the European Commission logo and the text "RESEARCH & INNOVATION" and "Participant Portal". A search bar is also present. The main content area shows a breadcrumb navigation: European Commission > Research & Innovation > Participant Portal > Partner Search. Below this is a menu bar with links for HOME, FUNDING OPPORTUNITIES, HOW TO PARTICIPATE (which is highlighted in blue), PROJECTS & RESULTS, EXPERTS, SUPPORT, LOGIN, and REGISTER. On the left, there's a sidebar with links for Reference Documents, Beneficiary Register, Partner Search (which is highlighted in blue), Financial Viability Self-Check, and SME Participation. The central part of the page features a "Partner Search" section with a "HOW TO" button. It contains text about finding partners for project ideas and provides instructions for searching by keyword or topic. Below this is a section titled "Involvement of the organisation in EU funded programmes" and another titled "Organisation details".

[https://ec.europa.eu/research/participants/portal/desktop
/en/organisations/partner_search.html](https://ec.europa.eu/research/participants/portal/desktop/en/organisations/partner_search.html)

“CONHECER e SER CONHECIDO”

participar em eventos



**Information Day on Horizon 2020
Societal Challenge 5**
11-12 September 2018



InfoDay e Brokerage Desafio Societal Ação Climática – Calls 2019
11-12 setembro 2018, BRUXELAS
<https://ec.europa.eu/easme/en/2018-information-day-calls-2019>



Horizonte Europa

2021 -2027

Horizon Europe evolution not revolution!

Specific objectives of the Programme

Support the creation and diffusion
of high-quality knowledge

Strengthen the impact of R&I
in supporting EU policies

Foster all forms of innovation and
strengthen market deployment

Optimise the Programme's delivery for impact in a strengthened ERA



Pillar 1
Open Science

European Research Council

Marie Skłodowska-Curie Actions

Infrastructures



Pillar 2
Global Challenges and
Industrial Competitiveness

Clusters

- Health
- Inclusive and Secure Society
- Digital and Industry
- Climate, Energy and Mobility
- Food and natural resources

Joint Research Centre



Pillar 3
Open Innovation

European Innovation Council

European innovation ecosystems

European Institute of Innovation
and Technology

Strengthening the European Research Area

Sharing excellence

Reforming and Enhancing the European R&I system

A discussão do HORIZONTE EUROPA

4 documentos em discussão

[Programa Específico,](#)

[Anexos ao Programa Específico](#)

[Regulamento](#)

[Anexos ao Regulamento.](#)

O envolvimento da comunidade de I&I nacional

A opinião da comunidade nacional é fundamental e para tal convidamo-lo a participar e assim orientar a posição nacional nas negociações que agora se iniciam

Inscreva-se

[Grupo nacional de apoio à discussão do HORIZONTE EUROPA.](#)

Grupo nacional de apoio à discussão do Horizonte Europa

Manifestação de Interesse - Identifique a(s) área(s) do Horizonte Europa em que tem interesse e a(s) que(s) gostaria de contribuir para a discussão.

*Obrigatório

Nome *

Sua resposta

E-mail *

Sua resposta

Telefone *

Sua resposta

Entidade *

Sua resposta

Áreas de Interesse

Pilar I - Open Science

- European Research Council (ERC)
- Marie Skłodowska-Curie Actions (MSCA)
- Research Infrastructures

Pilar II - Global Challenges and industrial competitiveness

- Cluster 'Health'
- Cluster 'Inclusive and secure society'
- Cluster 'Digital and Industry'
- Cluster 'Climate, Energy and Mobility'
- Cluster 'Food and natural resources'

Pilar III - Open Innovation

Apostar no *networking*

Conhecer quem está envolvido em projetos e iniciativas

Ler cuidadosamente o texto da Call

Perseverança e resiliência

Obrigada

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