PERIN Portugal in Europe Research and Innovation Network

O programa Horizonte Europa

Estrutura, modo de funcionamento, missões e parcerias

14 jan 2022

FCT Fundação para a Ciência e a Tecnologia · ANI Agência Nacional de Inovação · Portugal Space · AICIB · Erasmus+ · DGES Direção-Geral do Ensino Superior · Ciência Viva

Horizon Europe

95.5 b€ of opportunities from 2021 to 2027

AGÊNCIA NACIONAL DE INOVAÇÃO

The European Commission's priorities

6 Commission priorities for 2019-2024

A European Green Deal

An economy that works for people

A Europe fit for the digital age

Promoting our European way of life

A stronger Europe in the world

A new push for European democracy

Recovery plan for Europe

Leading the way out of the crisis and building a greener, more digital and more resilient Europe

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Horizon Europe (2021-2027)

HE
95,5 mM€

+ Missions
+ European Partnerships

25,01 mM€

Pillar I
EXCELLENT SCIENCE

- European Research Council
- Marie Skłodowska-Curie
- Research Infrastructures

53,5 mM€

Pillar II
GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

Clusters
- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- Climate, Energy & Mobility
- Food, Bioeconomy, Natural Resources, Agriculture & Environment

- Joint Research Centre

13,6 mM€

Pillar III
INNOVATIVE EUROPE

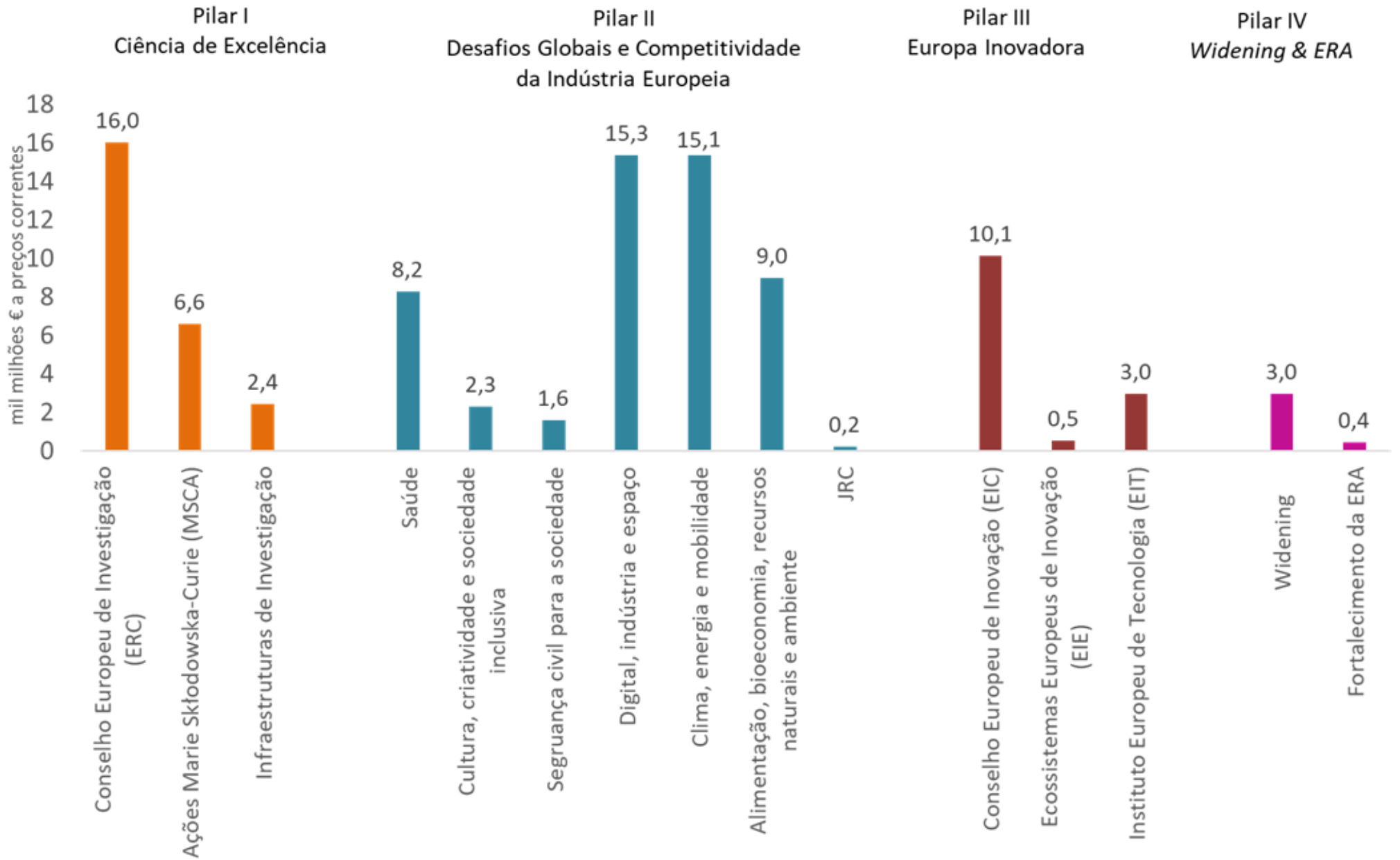
- European Innovation Council
- European innovation ecosystems
- European Institute of Innovation & Technology*

3,4 M€

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

- Widening participation & spreading excellence
- Reforming & Enhancing the European R&I system

95.5 billion €


Pilar I
Ciência de Excelência
Pilar II
Desafios Globais e Competitividade da Indústria Europeia
Pilar III
Europa Inovadora
Pilar IV
Widening & ERA
mil milhões € a preços correntes
18
16
14
12
10
8
6
4
2
0
16,0
6,6
2,4
8,2
2,3
1,6
15,3
15,1
9,0
0,2
10,1
0,5
3,0
3,0
0,4
Conselho Europeu de Investigação (ERC)
Ações Marie Skłodowska-Curie (MSCA)
Infraestruturas de Investigação
Saúde
Cultura, criatividade e sociedade inclusiva
Segruança civil para a sociedade
Digital, indústria e espaço
Clima, energia e mobilidade
Alimentação, bioeconomia, recursos naturais e ambiente
JRC
Conselho Europeu de Inovação (EIC)
Ecossistemas Europeus de Inovação (EIE)
Instituto Europeu de Tecnologia (EIT)
Widening
Fortalecimento da ERA

From EU priorities to Work Programmes

Strategic Planning and Programming (EC)

STRATEGIC PLAN

WORK PROGRAMME

EU POLICY PRIORITIES	Overall priorities of the European Union (Green Deal, Fit for the Digital Age,…)
KEY STRATEGIC ORIENTATIONS	Set of strategic objectives within the EC policy priorities where R&I investments are expected to make a difference
IMPACT AREAS	Group of expected impacts highlighting the most important transformation to be fostered through R&I
EXPECTED IMPACTS = DESTINATIONS	Wider long term effects on society (including the environment), the economy and science described under a given destination and enabled by the outcomes of R&I investments
EXPECTED OUTCOMES = TOPICS	Expected effects of the projects supported under a given topic, fostered by the dissemination and exploitation measures. This may include the uptake, diffusion, deployment, and/or use of the project results by target groups.
PROJECT RESULTS	What is generated during the project implementation e.g. know-how, innovative solutions, algorithms, proof of feasibility, new business models, policy recommendations, prototypes, demonstrators, datasets, trained researchers, new infrastructures, networks, etc.

PROJECT PROPOSALS

Application process (researchers)

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GET prepared

Simplification

Disseminatin & Exploitation plan mandatory, gender equality plan (GEP) for public bodies

page limits reduced - 45 pages for RIAs and IAs and 30 pages for CSAs

revised and clearer award criteria

Evaluation Criteria

Excellence

Impact

Quality and Efficiency of the Implementation

Main type of actions

RIA - Research and Innovation Actions - 100% funding rate

IA - Innovation Actions – 70% funding rate except for non-profit that reaches 100%

CSA - Coordination and Support Actions – 100% funding rate

Horizon Europe – new approaches for greater impact

Missions address global challenges that affect our daily lives and, for this purpose, put forward ambitious and inspirational but achievable goals

Horizon Europe reduces the number of partnerships ensuring a simplified and more transparent form, reaching a broader set of stakeholders and creating stronger links with EU and national policies

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Horizon Europe (2021-2027)

Missions (~10% of Pillar II budget)

Five Missions Areas:

Adaptation to climate change, including societal transformation

Cancer

Healthy oceans, seas, coastal & inland waters

Climate-neutral & smart cities

Soil health & food

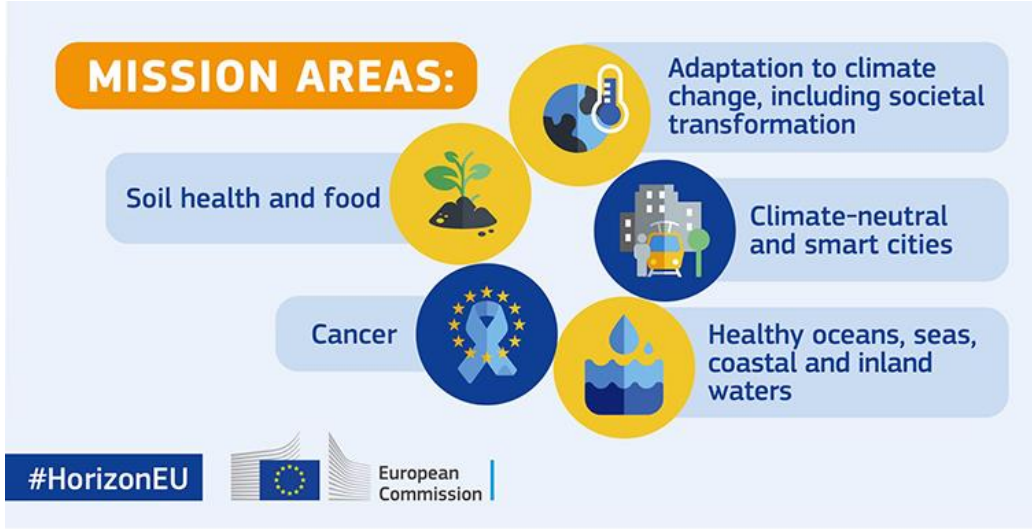
Horizon Europe (2021-2027)

Missions (~10% of Pillar II budget)

- There is a specific Work Programme for the Missions

- EU Missions Info Days, **18 – 19 jan 2022**

- Call Mission Boards members – deadline: **2 feb 2022**
  - Horizon Europe Mission Board application



Horizon Europe (2021-2027)

New Approach to European Partnerships in HE(~50% of Pillar II budget)

New generation of objective-driven and more ambitious partnerships in support of agreed EU policy objectives

Key features

- **Simple architecture and toolbox**
- **Coherent life-cycle approach**
- **Strategic orientation**

Co-programmed

Based on Memoranda of Understanding / contractual arrangements; implemented independently by the partners and by Horizon Europe

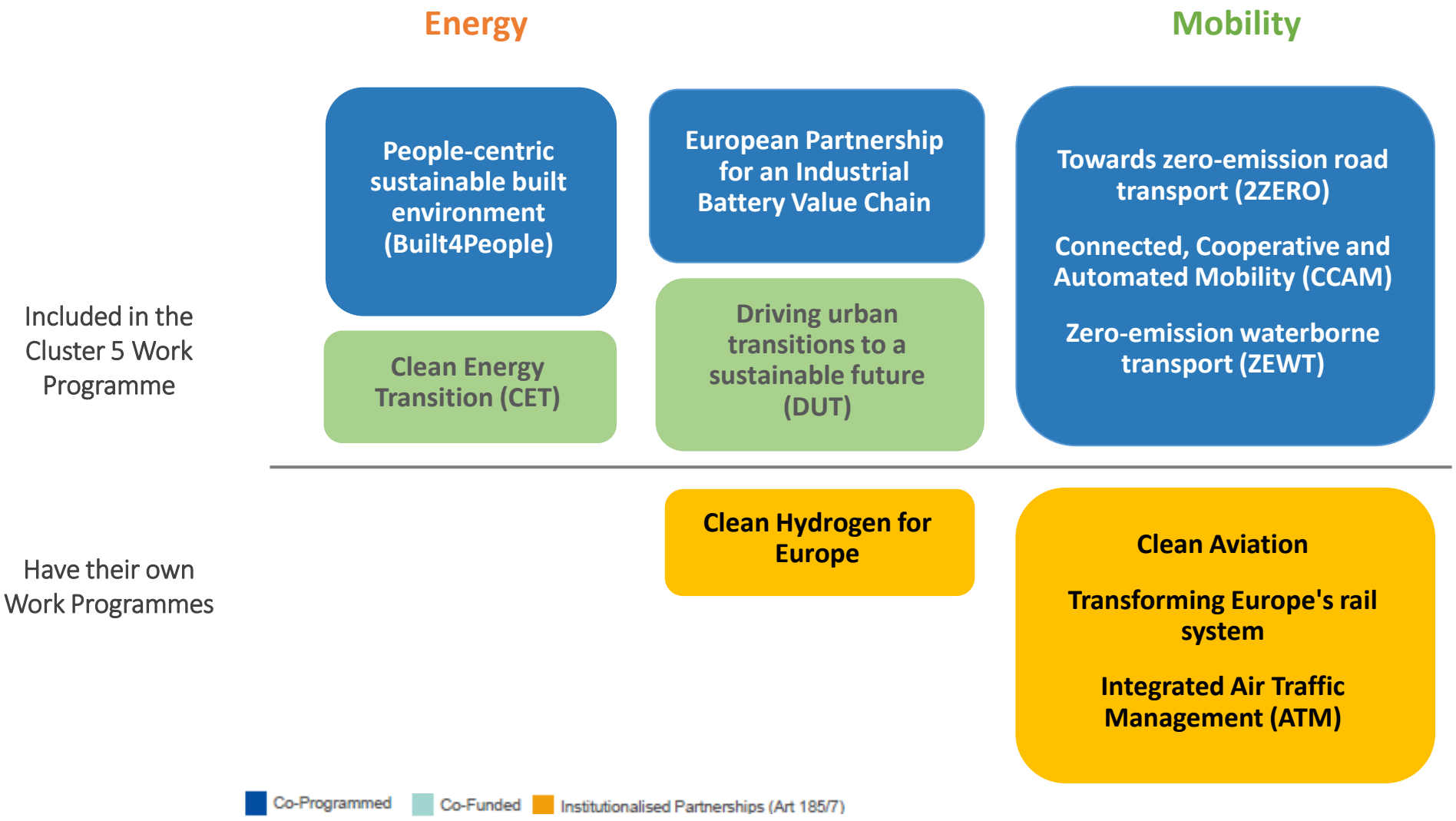
Co-funded

Based on a joint programme agreed and implemented by partners; commitment of partners for financial and in-kind contributions

Institutionalised

Based on long-term dimension and need for high integration; partnerships based on Articles 185 / 187 of TFEU and the EIT-Regulation supported by Horizon Europe

Example: European Partnerships in *Cluster 5: Climate, Energy and Mobility*



Single Basic Act (SBA) – Lays out the framework for Institutionalized Partnerships

19/11/2021 - **Commission welcomes approval of 10 European Partnerships to accelerate the green and digital transition**

1. Global Health EDCTP3
2. Innovative Health Initiative
3. Key Digital Technologies
4. Circular Bio-based Europe
5. Clean Hydrogen
6. Clean Aviation
7. Europe's Rail
8. Single European Sky ATM Research 3
9. Smart Networks and Services
10. Metrology

Mariya Gabriel, Commissioner for Innovation, Research, Culture, Education and Youth said:

> *"These Partnerships are all about pooling research and innovation resources and ensuring that research results are turned into useful innovations for the citizens. With Horizon Europe we are committed to emerge from the climate crisis, provide sustainable solutions to major environmental challenges, improve citizens' health and accelerate a sustainable recovery. This will benefit all Europeans."*

Single Basic Act (SBA) – Lays out the framework for Institutionalized Partnerships

During the 1st semester of 2022:

- The partnerships should create/update their websites

- <u>There should be significant activity in the next weeks/months with:</u>
  - Publication of the first Work Programmes
  - Clarification of the rules for applicants, etc.
  - Publication of Calls for Associate Members (*when applicable*)
  - **To be informed, it is important to subscribe to their newsletters**

Lessons learned/Tips

- **SUBMIT** a (next to) final version of your proposal SEVERAL DAYS **BEFORE THE DEADLINE**!
- AVOID editing (your part of) the proposal with MORE THAN ONE USER from your organisation at the same time!
- **DO NOT** edit the proposal in **MORE THAN ONE BROWSER TAB/WINDOW** at the same time!
- **SAVE** your changes **FREQUENTLY**! No data is saved until you click on SAVE.
- DO NOT USE file names containing SPECIAL CHARACTERS for files you upload. Only alphanumerical characters: A-Z, a-z, 0-9, _ (underscore), - (dash), . (dot) or space are allowed.
- DO NOT ENCRYPT or DIGITALLY SIGN your PDF files.
- DOUBLE-CHECK AFTER UPLOAD of files whether they can be opened without problems.
- **USE "VALIDATE"** button before submitting.

https://www.youtube.com/watch?v=tCiXkE88zeI

Where are the opportunities

Pillar 1
EXCELLENT SCIENCE

- European Research Council
- Marie Skłodowska-Curie Actions
- Research Infrastructures

Pillar 2
GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

Clusters
- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture and Environment

- Joint Research Centre

Pillar 3
INNOVATIVE EUROPE

- European Innovation Council
- European innovation ecosystems
- European Institute of Innovation and Technology

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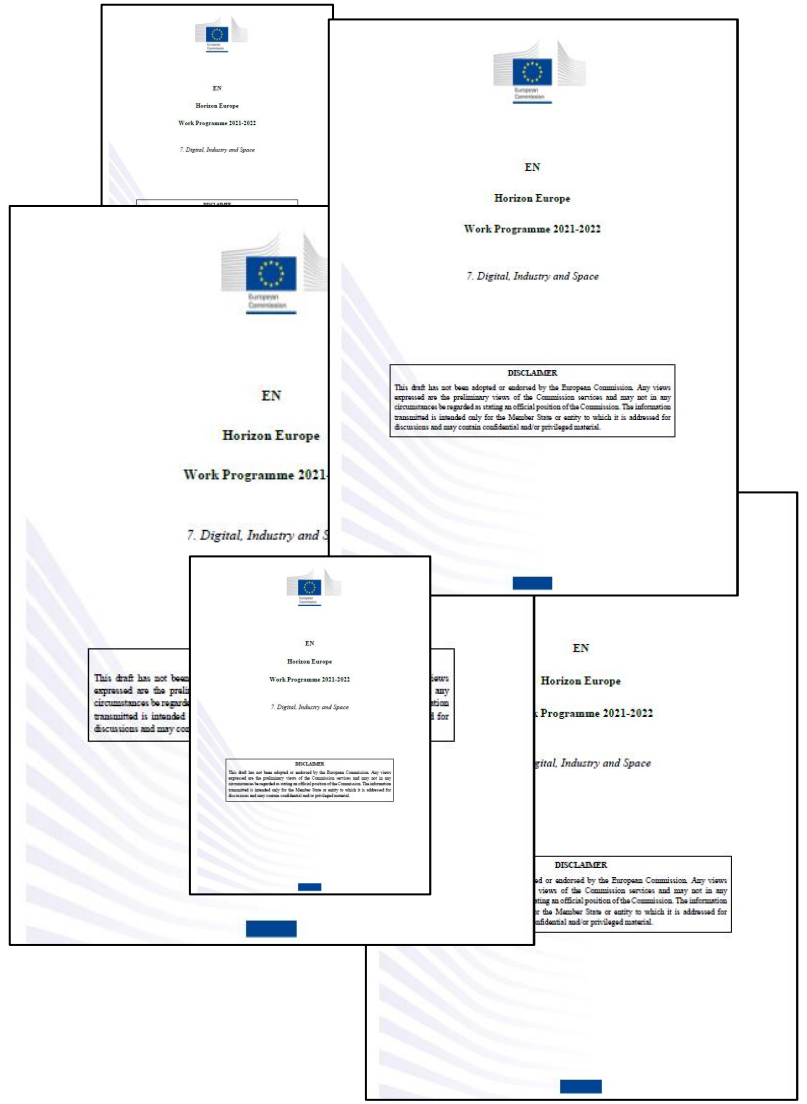

Easiest way to beat 50% of the other proposers...

Read the Work Programme!

(and follow it)

Formulate your idea

- Topic = problem
- Proposal = solution
- Where does the proposal fit?
- Link idea with expected impact/outcomes requested

Questions to solve

- What problem is being solved?
- European problem?
- Why now? What will be the outcome?
- Scale (citizens affected, broad cooperation?)

Impact

- Key Impact Factors
- Clearly identify outcomes
- Outcomes / Impact contribute to WP? Pathways

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Evaluator

- Call their attention – 1st paragraph
- Set out the outcome – why you?
- Simple & plain language = NO jargon!
- Clear reference within the document

Gender

- Eligibility: Gender Equality Plan
- Award criteria: integration of gender dimension
- Ranking criteria: gender balance

Comm. & Diss.

- Context
- Goals
- Target
- Strategy & Channels

Open Access

- From Open access to Open science
- Evaluation: excellence, not impact
- Intellectual Property Rights
- Publications: no embargo

(cont.)

- Research data management (plan)
- Qualified open access to research outputs
- Reproducibility of research
- Open science and public emergencies

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- ✓ Keep yourself up to date about calls and requirements
  - Register in ANI's mailing list and GNAD (i.e. newsletters, access to preliminar working documents)
  - Horizon Europe NCP Portal
  - Check the Funding & Tenders Portal
- ✓ Register as a Commission's expert (evaluator)
- ✓ Enlarge your network: conferences, participate in networking projects & initiatives (e.g. COST Actions), matchmaking/B2B/pitching/brokerage events & info days

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 na(s) qual(ais) gostaria de contribuir para a discussão.

Maio 2021 Newsletter #3

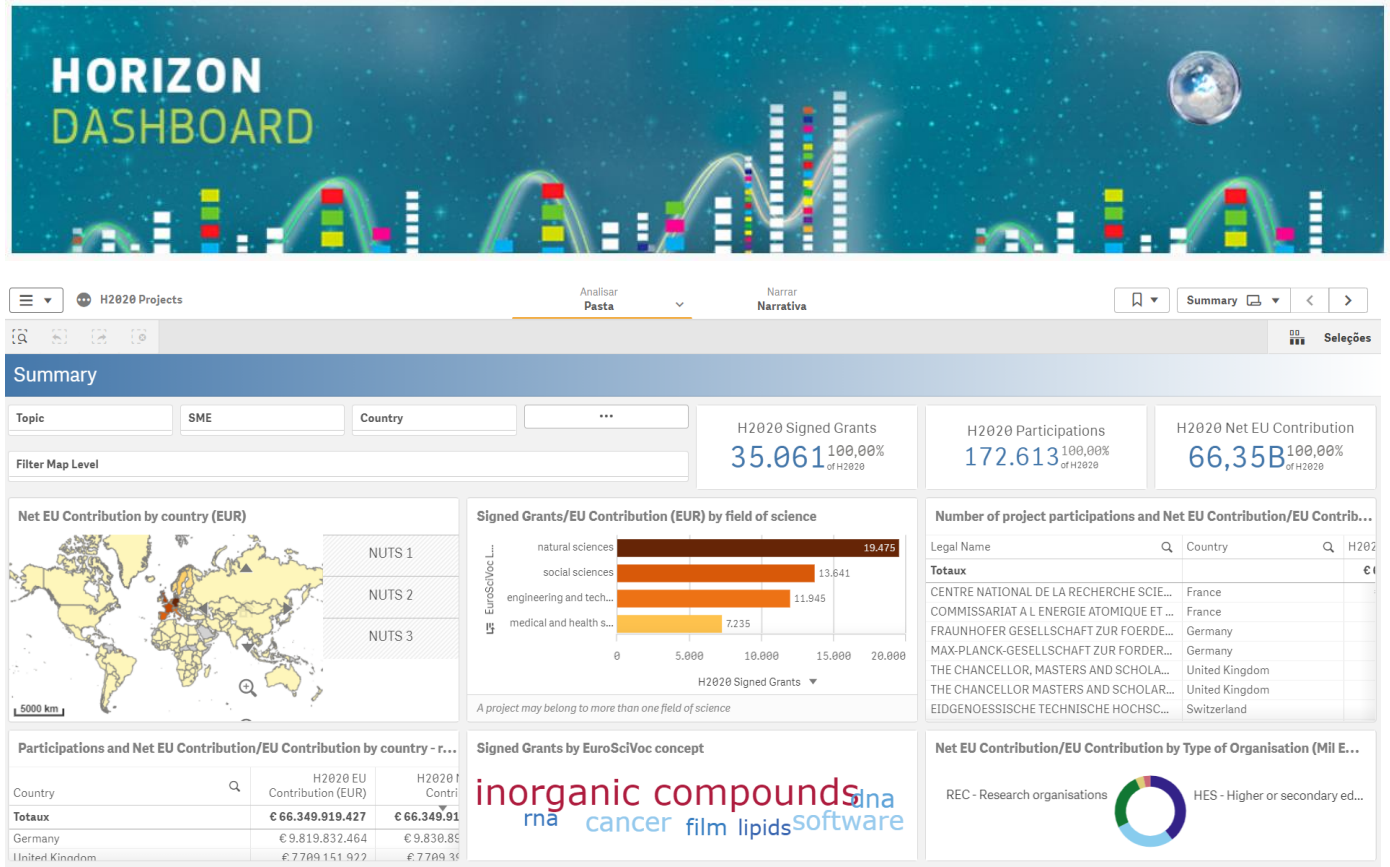
NOTÍCIAS

Publicação dos concursos dos Cluster 2 do Horizonte Europa
O lançamento dos concursos sofreu novo atraso e presentemente espera-se que a publicação seja realizada no final do mês de Maio. Mais informação brevemente.

✓ Look for partners and join consortia

- Commission's Partner search
- **Reach out to your network**
- Search for leaders & experts in fields of expertise different from yours and introduce yourself and your idea

✓ Benchmarking: search for funded projects, e.g. through CORDIS



What is Horizon Dashboard and How To Use It? - Webinar

CORDIS provides information on all EU-supported R&D activities, including programs (H2020, FP7 and older), projects, results, publications

CORDIS | European Commission (europa.eu)

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- Webinar on How to prepare a successful proposal in Horizon Europe
- Webinar on A successful proposal for Horizon Europe: Scientific-technical excellence is key, but don't forget the other aspects
- Webinar on Webinar Funding & Tenders Portal for dummies
- Webinar on Dissemination & Exploitation in Horizon Europe
- Webinar on Social Sciences and Humanities in Horizon Europe: diving into opportunities
- Horizon Europe InfoDays 2021

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PERIN

Portugal in Europe
Research and Innovation Network

FCT Fundação para a Ciência e a Tecnologia

ANI Agência Nacional de Inovação

Portugal Space

AICIB Agência de Investigação Clínica e Inovação Biomédica

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Ciência Viva

2021 PORTUGAL.EU