



**INOVAÇÃO
COM PROPÓSITO**

Horizon Europe: Expanding horizons to the Azores

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GOVERNO
DOS AÇORES

VICE-PRESIDÊNCIA
DO GOVERNO

Outline

Introduction to Horizon Europe

Pillar I: ERC grants and Marie Curie Actions

Pillar II: Clusters and Missions

Widening programme

Some statistics

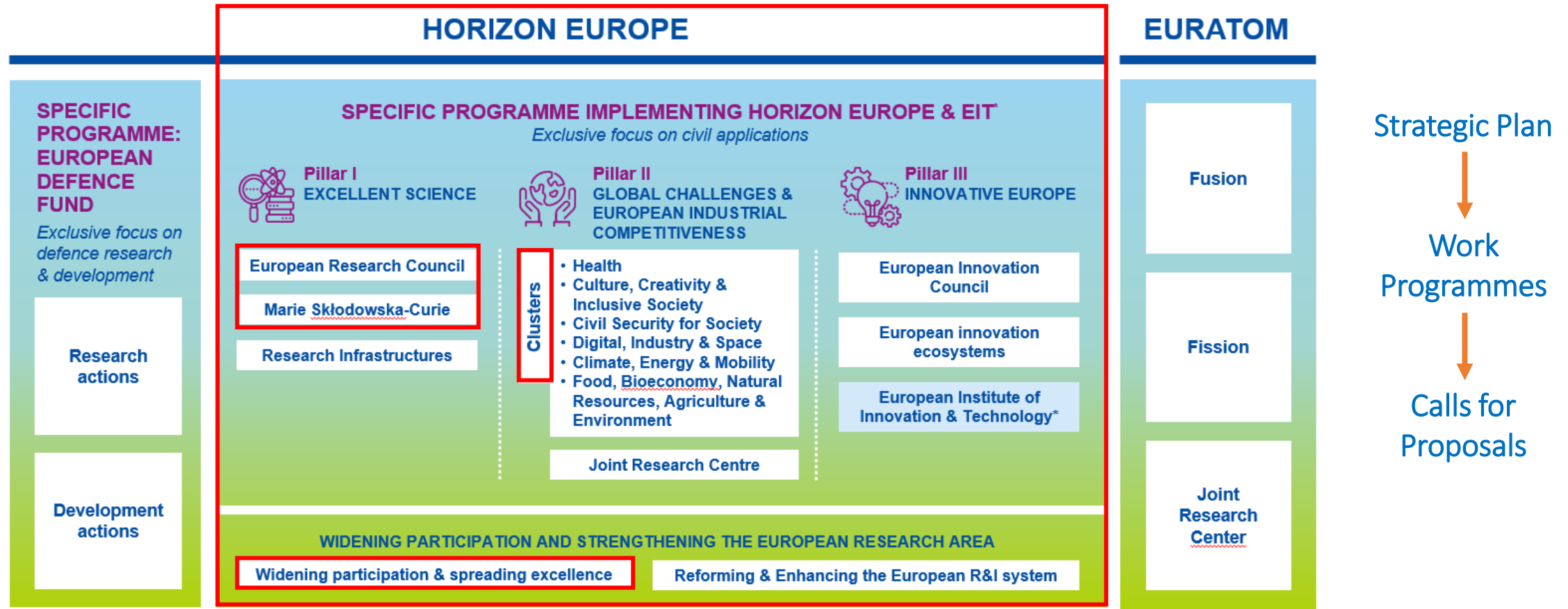
Proposal preparation and submission and evaluation process

Tips and tricks

About Horizon Europe

REGULATION (EU) 2021/695

COUNCIL DECISION (EU) 2021/764







* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme

About Horizon Europe - Budget

HORIZON EUROPE BUDGET

Horizon Europe programme structure

Total
in € million

Icon	Category	Total
	EXCELLENT SCIENCE <i>of which</i>	25 011
	The European Research Council (ERC)	16 004
	Marie Skłodowska-Curie Actions (MSCA)	6 602
	Research infrastructures	2 406
	GLOBAL CHALLENGES AND EUROPEAN INDUSTRIAL COMPETITIVENESS <i>of which</i>	53 516
	Health	8 246
	Culture, creativity and inclusive society	2 280
	Civil Security for Society	1 596
	Digital, Industry and Space	15 349
	Climate, Energy and Mobility	15 123
	Food, Bioeconomy, Natural Resources, Agriculture and Environment	8 952
	Non-nuclear direct actions of the Joint Research Centre (JRC)	1 970
	INNOVATIVE EUROPE <i>of which</i>	13 597
	European Innovation Council (EIC)	10 105
	European innovation ecosystems	527
	European Institute of Innovation and Technology (EIT)	2 965
	WIDENING PARTICIPATION & STRENGTHENING THE EUROPEAN RESEARCH AREA <i>of which</i>	3 393
	Widening participation and spreading excellence	2 955
	Reforming and enhancing the European R&I System	438
TOTAL HORIZON EUROPE		95 517

Bottom-up

Top-down

Bottom-up and top-down

Bottom-up and top-down

About Horizon Europe – Structure and sub-programmes

Pillar I

EXCELLENT SCIENCE:

reinforcing and extending the **excellence of the Union's science base**

European Research Council

Frontier research by the best researchers and their teams

€16 billion

Marie Skłodowska-Curie Actions

Equipping researchers with new knowledge and skills through mobility and training

€6.6 billion

Research Infrastructures

Integrated and inter-connected world-class research infrastructures

€2.4 billion

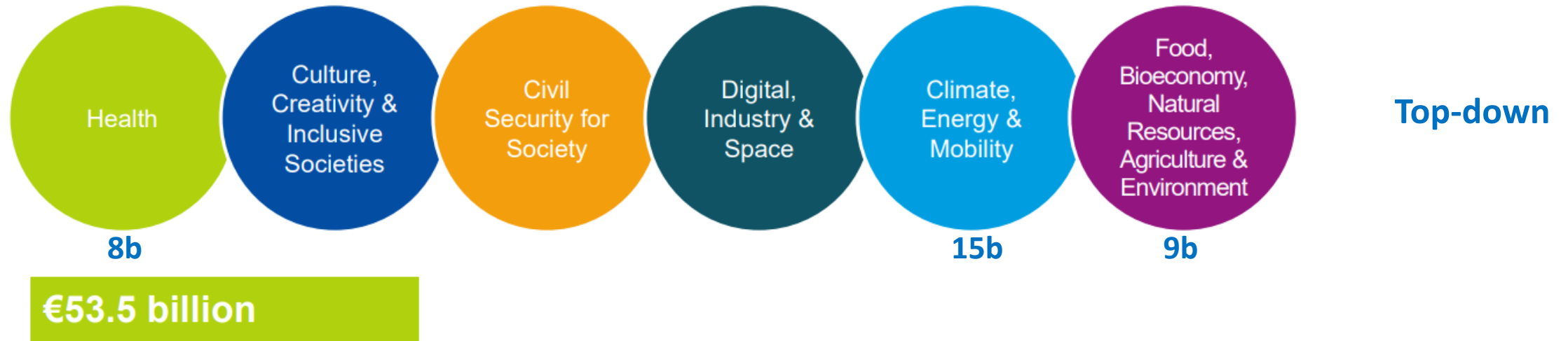
Bottom-up

About Horizon Europe – Structure and sub-programmes

Pillar II - Clusters

GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS:

boosting **key technologies** and solutions underpinning **EU policies & Sustainable Development Goals** (6 clusters and JRC – non-nuclear direct actions)



HORIZON EUROPE

Pillar I - ERC



About the European Research Council (ERC)



European Research Council

Established by the European Commission

Scientific governance

- Independent Scientific Council with 22 members including the ERC President, with full authority over strategy
- Supported by a Dedicated Implementation Structure, the ERC Executive Agency

Scientific freedom

- Scientific excellence as the sole criterion
- Support to the individual scientist – *no consortia!*
- No predetermined subjects or topics – “*bottom-up*” approach
- Support for frontier research in all fields of science and humanities
- International peer-review

Why to apply for ERC grant?

ERC offers independence, recognition & visibility to:

- work on a research topic of own choice
- gain financial autonomy for five years
- negotiate the best conditions of work with the host institution
- attract excellent team members and collaborators from anywhere in the world
- move with the grant to any place in Europe if desired (“portability of grants”)
- win additional funding



ERC grant schemes



Starting Grants

Starters (2-7 years after PhD) up to € 1.5 Mio
For 5 years



Consolidator Grants

Consolidators (7-12 years after PhD) up to € 2 Mio
For 5 years



Advanced Grants

Track-record of significant research achievements in the last 10 years up to € 2.5 Mio
For 5 years



Proof-of-Concept

Bridging gap between research - earliest stage of marketable innovation
Lump sum €150,000 for ERC grant holders



Synergy Grants

2 – 4 Principal Investigators up to € 10.0 Mio for 6 years
1 PI can be based outside EU/Associated Countries

Evaluation criteria

Excellence is the sole evaluation criterion

Research Project

- Ground-breaking nature
- Ambition
- Feasibility of the research project

Principal Investigator

- Intellectual capacity
- Creativity
- Commitment

Remember: The Host Institution is not an evaluation criterion

Additional “start-up” funding for researchers moving to Europe (€ 1 Mio irrespective of grant scheme)

Grantees can keep affiliation with an institution outside Europe (“significant part” of work in Europe: at least 50% time)

Team members can be based outside Europe

Grantees can move within Europe with the grant

HORIZON EUROPE

Pillar I - MSCA



Objectives of MSCA

European Union's flagship funding programme for doctoral education and postdoctoral training of researchers

- Fund excellent research and innovation
 - Equip researchers at all stages of their career with new knowledge and skills
 - Open to all R&I domains and encourage international cooperation/collaboration
- ➔ Promote the principles of the [European Charter for Researchers](#)
- ➔ *Mobility across borders* and exposure to different sectors and disciplines

MSCA benefits



- High-quality research training and supervision offered
- Build up strong research and innovation partnerships
- Strengthened research capacity



- New knowledge and skills in and outside academia
- Innovation-oriented mindset, to convert ideas into products and services
- Increased career prospects and employability



- Scientific excellence promoted in all countries
- Stronger European Research Area (ERA)
- New links between research, industry and society

MSCA funding schemes (actions)

Doctoral Networks

Programmes in and outside academia including joint & industrial doctorates
Partnerships of organisations from different sectors across Europe and beyond

Project for up to 4 years duration -> Doctoral fellows recruited for up to 3 years
Fellows can be of any nationality -> enrolled in a doctoral programme
Fellows to be employed by the recruiting beneficiary with secondments elsewhere
Mobility rule apply

Allowances

Living*: EUR 4010
Mobility: EUR 710
(Family): EUR 660

Res. Training: EUR 1600
Manag. Indirect.: EUR 1200

Postdoctoral Fellowships

Support researchers' careers and foster excellence in research.
Gain experience in other countries, disciplines and non-academic sectors, and
acquire new skills.

Mobility rule apply European PF : moving within or towards Europe
Global PF : Moving outside Europe and coming back

Living*: EUR 5990
Mobility: EUR 710
(Family): EUR 660

Res. Training: EUR 1000
Manag. Indirect.: EUR 650

*PT: 93,7%



MSCA funding schemes (actions)

Staff Exchanges

Support short-term international, interdisciplinary and inter-sectoral exchanges of staff members (“secondments”)
Fosters knowledge transfer between participating organisations
Promote collaboration between the academic and non-academic sectors (including SMEs) and cooperation across the globe



Seconded staff members

Any type of staff involved in R&I activities (researchers, administrative staff, managerial staff, technical staff)

Researchers *at any career stage* (e.g. from doctoral candidates to postdoctoral researchers)



Actively engaged in R&I activities for at least **1 month** prior secondment at the sending institution

Each staff member is seconded for a period of **1 to 12 months** (full time, but split stays possible)

Top-up allowance: EUR 2710

Institution contrib.: EUR 2300

After the secondment, staff should **return to their sending institution**

MSCA funding schemes (actions)

COFUND

For implementing new or existing doctoral or postdoctoral programmes with an impact on the enhancement of human resources in R&I at regional, national or international level

Any research disciplines ("bottom-up"), but exceptionally can also focus on specific disciplines, notably when they are based on national or regional RIS3

Funding synergies with Cohesion policy funds and the Recovery and Resilience Facility (RRF) are strongly encouraged

Postdoc:
EUR 4700

PhD candidate:
EUR 3300

MSCA and citizens

- European Researchers' Night
- Researchers at Schools initiative

Enhance engagement with citizens and increase awareness among the general public of the importance and benefits of R&I and interest of young people for science careers

Lump Sum
contributions:
Up to EUR 300k

HORIZON EUROPE

Pillar II
Global Challenges and
European Industrial Competitiveness

... and Missions



Clusters and destinations

Cluster 1

HEALTH

Destination 1. Staying healthy in a rapidly changing society

Destination 2. Living and working in a health-promoting environment

Destination 3. Tackling diseases and reducing disease burden

Destination 4. Ensuring access to innovative, sustainable and high-quality health care

Destination 5. Unlocking the full potential of new tools, technologies and digital solutions for a healthy society

Destination 6. Maintaining an innovative, sustainable and globally competitive health industry

Cluster 5

CLIMATE, ENERGY & MOBILITY

Destination 1. Climate sciences and responses for the transformation towards climate neutrality

Destination 2. Cross-sectoral solutions for the climate transition

Destination 3. Sustainable, secure and competitive energy supply

Destination 4. Efficient, sustainable and inclusive energy use

Destination 5. Clean and competitive solutions for all transport modes

Destination 6. Safe, Resilient Transport and Smart Mobility services for passengers and goods

Cluster 6

FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE & ENVIRONMENT

Destination 1. Biodiversity and ecosystem services

Destination 2. Fair, healthy and environment-friendly food systems from primary production to consumption

Destination 3. Circular economy and bioeconomy sectors

Destination 4. Clean environment and zero pollution

Destination 5. Land, ocean and water for climate action

Destination 6. Resilient, inclusive, healthy and green rural, coastal and urban communities

Destination 7. Innovative governance, environmental observations and digital solutions in support of the Green Deal

Pillar II - Global Challenges and European Industrial Competitiveness

Understanding the logic of Work Programmes' Destinations and Topics

→ *At destination level*

Expected impacts:

Proposals for topics under this destination should (...), and more specifically to one or several of the following impacts:
(...)

Pillar II - Global Challenges and European Industrial Competitiveness

Understanding the logic of Work Programmes' Destinations and Topics

→ *At topic level*

Expected Outcome:

This topic aims at supporting activities that are enabling or contributing to one or several impacts of destination (...) To that end, proposals under this topic should aim for delivering results that are directed at, tailored towards and contributing to all/several of the following expected outcomes: (...)

Scope:

This topic aims to implement (...)

The proposed research and innovation should address/focus/deliver on all/several of the following aspects: (...)

Specific conditions:

Expected EU contribution per project, Indicative budget of the topic, Type of Action (RIA/IA/CSA/...), Eligibility conditions, Award criteria

EU Missions

R&I Missions

Relating EU's research and innovation better to society and citizens' needs; with strong visibility and impact

A mission is a portfolio of actions across disciplines intended to achieve a **bold and inspirational and measurable goal** within a set timeframe, with **impact** for society and policy making as well as relevance for a significant part of the European population and wide range of European citizens.



Adaptation to climate change, including societal transformation



Cancer



Healthy oceans, seas, coastal & inland waters



Climate-neutral & smart cities



Soil health & food

HORIZON EUROPE

Widening Participation



Policy objectives of the Widening programme

- Encourage institutional reforms and transformation processes of the R&I system at national and regional level in Widening countries in line with ERA principles
- Mobilise national investments in R&I capacity in Widening countries
- Raise the excellence performance of R&I actors in Widening countries by partnering with outstanding European and international institutions ('win-win situation')
- Increase the number of participations and success rates in R&I projects in other parts of Horizon Europe
- Promote the creation of new innovation ecosystems and scale up existing ones
- Foster brain circulation, including inter-sectoral mobility for researchers and innovators and turn it into brain gain for Widening countries

Widening funding schemes

- Teaming for Excellence
- Twinning
- European Excellence Initiative
- Pathways to Synergies
- Excellence Hubs
- ERA Chairs
- ERA Talents



Widening funding schemes

➤ Teaming for Excellence

Must involve at least two beneficiaries:

- a) the main applicant organisation (the coordinator) which will be a university or a research organisation, a national or regional authority or a research funding agency, established in a Widening country
- b) at least one leading university or research organisation established in another Member State or Associated Country as an advanced partner

Expected Outcomes:

- Increased scientific capabilities of the coordinating institution and the host country
- Development and promotion of new research strands in relevant domains
- Improved the R&I culture of the Widening country and stimulus for institutional and systemic reforms and R&I investments

Up to EUR 15 million
For 6 years
Must be complemented by
an equivalent amount

Widening funding schemes

➤ Twinning

Must involve at least three beneficiaries:

- a) the main applicant organisation (the coordinator) which will be an organization established in a Widening country
- b) at least two internationally-leading counterparts at European Union level

Up to EUR 1,5 million
Up to 3 years

Expected Outcomes:

- Improved excellence capacity and resources in Widening countries (closing the gap)
- Enhanced strategic networking activities
- Raised reputation, research profile and attractiveness of the coordinating institution from the Widening country and the research profile of its staff
- Strengthened research management capacities and administrative skills of the staff working in institutions from the Widening country

Widening funding schemes

➤ Excellence Hubs

A proposal may demonstrate involvement of a Widening country R&I ecosystem by either:

- a) The participation, as a beneficiary, by one or more umbrella organisations, whose membership comprises the four different categories of Widening country R&I actors for the relevant Widening country OR
- b) The participation, as beneficiaries, of individual legal entities representing each of the four categories of actors for the relevant Widening country.

Expected Outcomes:

- Excellent and sustainable place-based R&I ecosystems in Widening countries
- Long term joint R&I strategies underpinned by concrete action plans of European relevance
- Common investment plans for R&I including infrastructures leveraging national, regional and European funds as well as private capital in a synergetic manner
- R&I pilot projects alongside a joint strategy and in line with regional and national strategies, notably regional innovation strategies for smart specialisation (RIS3)
- Inclusion of emerging innovation ecosystems from rural areas, EU Outermost Regions

Up to EUR 6 million
Up to 4 years

Widening funding schemes

➤ ERA Chairs

Mono-beneficiary proposal with:

- a) Letter signed by the prospective ERA Chair holder expressing his/her commitment to the proposal
- b) Letter from the head of the coordinator institution committing to the proposal and stating that the ERA Chair holder will receive adequate support to take on her/his tasks

Up to EUR 2,5 million
Up to 5 years

Expected Outcomes:

- Encouraging institutional reforms in research institutions and in the national R&I system in Widening countries and strengthening of human capital base in R&I with more entrepreneurial and better trained researchers and innovators
- Research excellence of the institution in a specific fields and increased attractiveness of the institution for internationally excellent and mobile researchers
- Creation of a permanent and excellent research group in the chosen scientific field with a spill-over effect on the institution and improved capability to succeed in competitive research funding

HORIZON EUROPE

Some statistics





Horizon Europe Implementation

Key figures 2021-2023



€ 30.8 billion

EU contribution in grants



10 674

signed grants



€ 2.9 million

average grant size



21 894

participants



81%

of funding goes to collaborative projects



16% proposal success rate



 **Higher Education establishments (HES)**

 **Private for-profit entities (PRC)**
(excluding Higher Education)

 **Research Organisations (REC)**

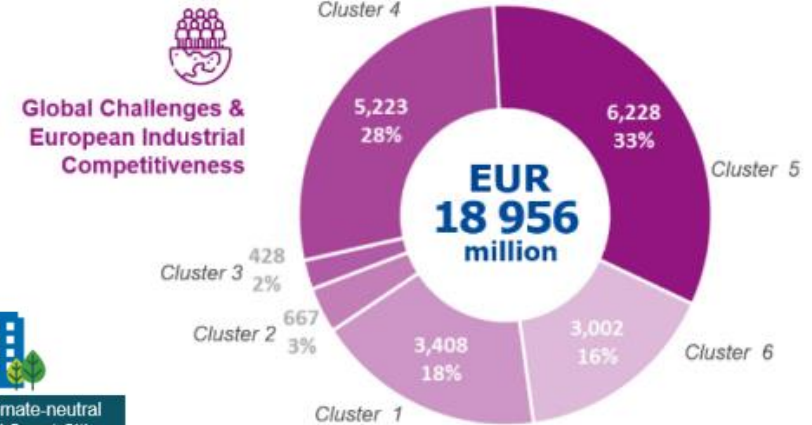
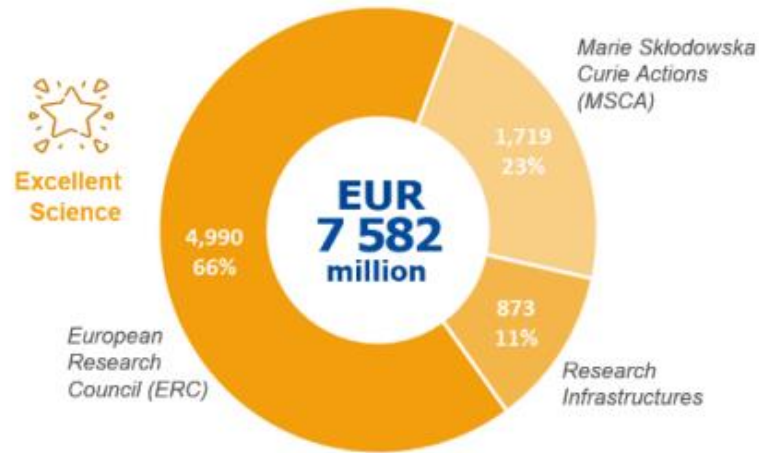
 **Public bodies (PUB)**
(excluding Research Organisations and Secondary or Higher Education)

 **Other (OTH)**



Horizon Europe Implementation

Key figures 2021-2023

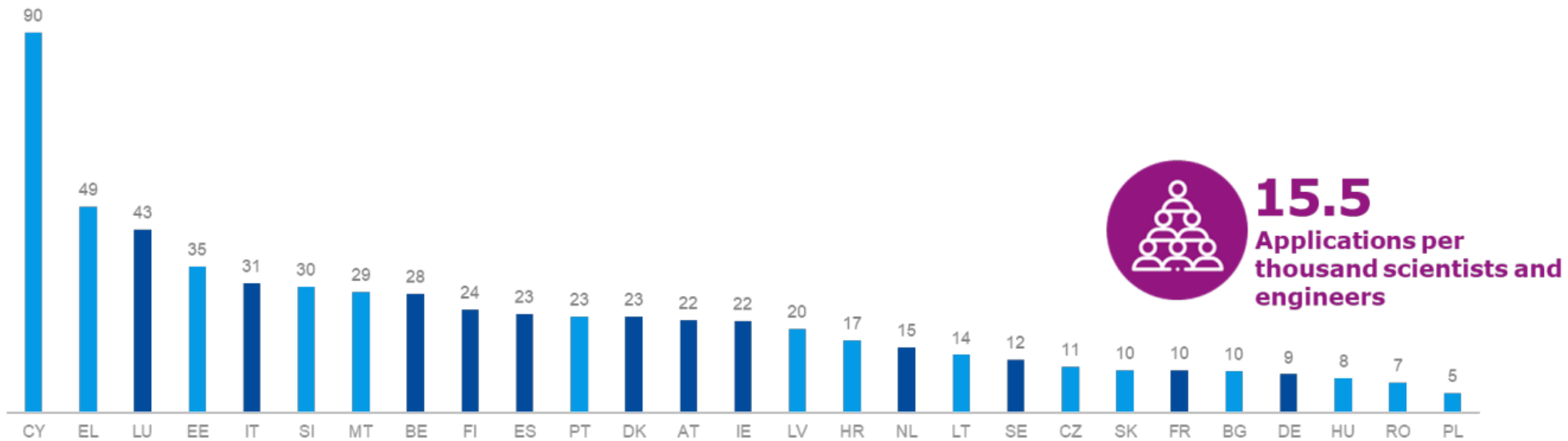


Budget consumed so far...



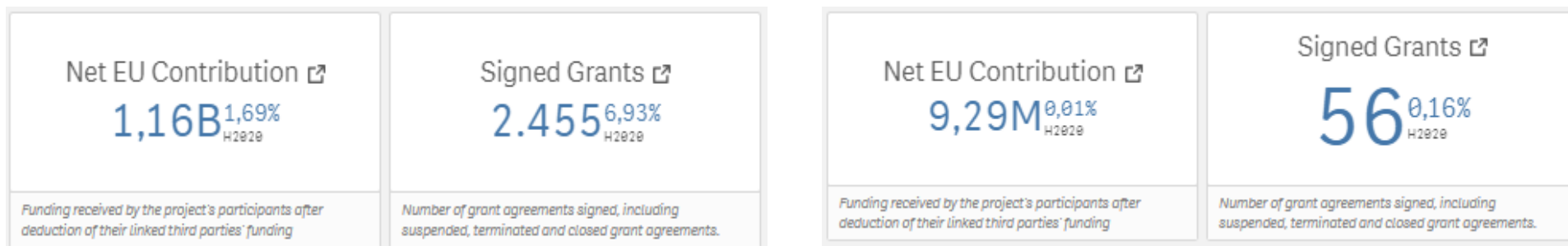
Horizon Europe Implementation

Key figures 2021-2023

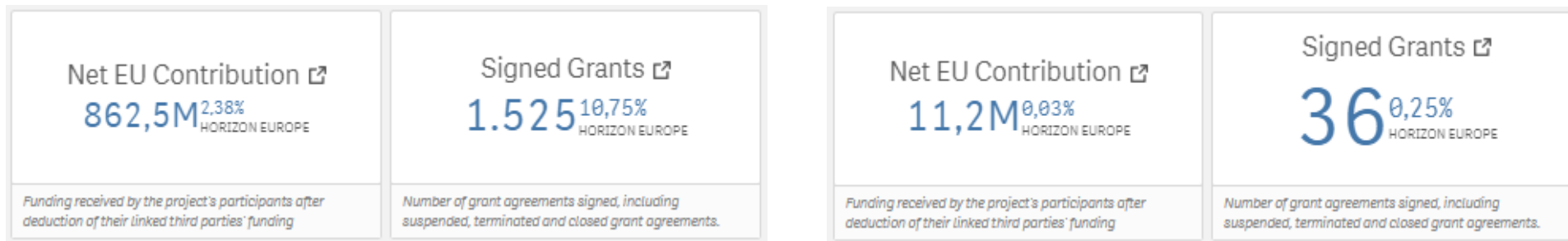


Statistics – H2020/Horizon Europe participation

H2020



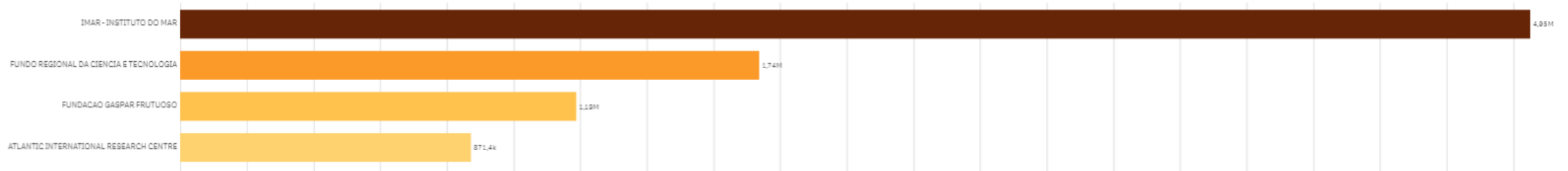
HORIZON



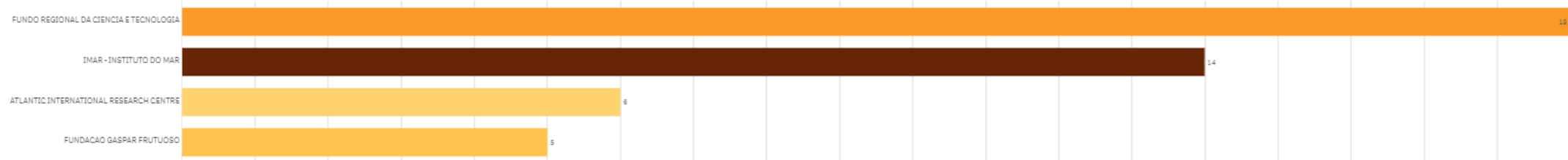
Portugal

Azores

Statistics – H2020 participation

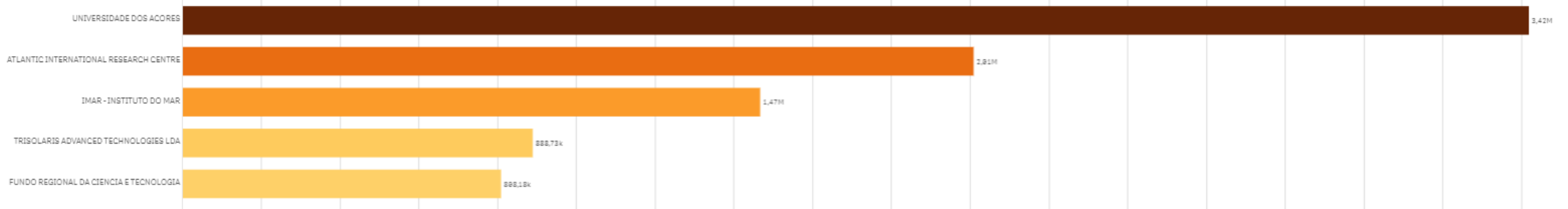


Cumulative Budget

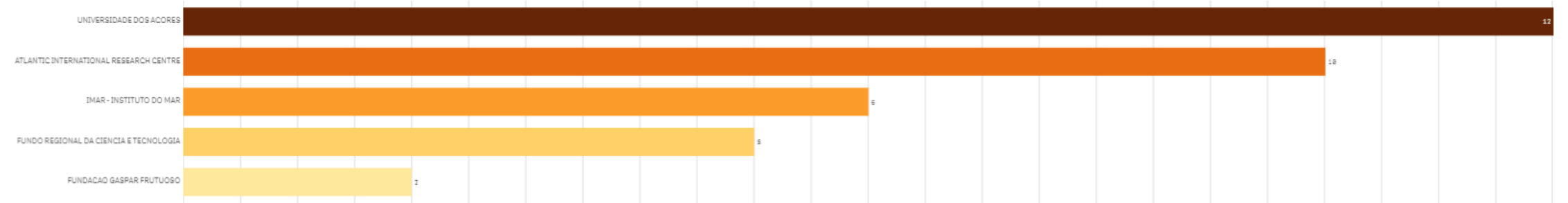


Number of participations

Statistics – Horizon Europe participation



Cumulative Budget



Number of participations

No participation as Coordinator

Horizon dashboard (consulted on 14/09/2024):

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/horizon-dashboard>

Some Horizon Europe projects with partners from Azores



BioProtect



Excellent Peripheries for a Strong European Research Area (EXPER)

[Learn More](#)



HORIZON EUROPE

Proposal preparation and submission and evaluation process





Admissibility

General admissibility conditions

- Applications must be submitted **before the call deadline, electronically** via the Funding & Tenders Portal
- Applications must be **complete, readable, accessible and printable**, and include a **plan for the exploitation and dissemination of results**, unless provided otherwise in the specific call conditions
- Respect proposal page limit (45 pages for RIA/IA and 30 pages for CSA) – can vary if Lump Sums



Eligibility

- Consortium composition
- **Gender Equality Plan (applicable from 2022 on):** Participants that are public bodies, research organisations or higher education establishments from Members States and Associated countries **must have a gender equality plan**, covering minimum process-related requirements
- **Eligible activities are the ones described in the call conditions:** Activities must **focus exclusively on civil applications**
- **Research and Innovation Action (RIA):** Activities to establish new knowledge or to explore the feasibility of a new or improved technology, product, process, service or solution
- **Innovation Action (IA):** Activities to produce plans and arrangements or designs for new, altered or improved products, processes or services
- **Coordination and Support Action (CSA):** Activities that contribute to the objectives of Horizon Europe (excluding research and innovation activities)



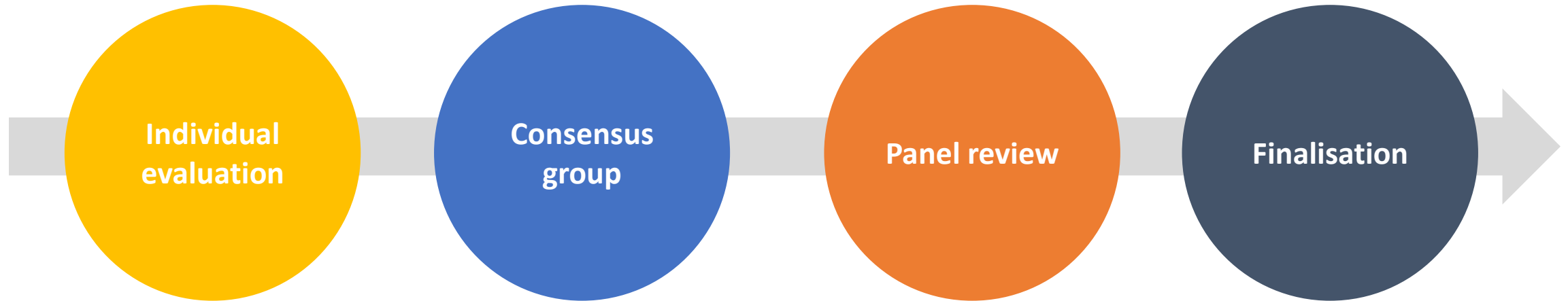
Application forms (proposal template)

The proposal contains two parts:

- **Part A** (web-based forms) is generated by the IT system. It is based on the information entered by the participants through the submission system in the Funding & Tenders Portal
- **Part B** is the narrative part that includes three sections that each correspond to an evaluation criterion. Part B needs to be uploaded as a PDF document following the templates downloaded by the applicants in the submission system for the specific call or topic



Evaluation process



Experts assess proposals **individually**. Minimum of three experts per proposal (but often more than three)

All individual experts discuss together to agree on a **common position**, including comments and scores for each proposal

The panel of experts reach an **agreement** on the scores and comments for all proposals within a call, checking **consistency across the evaluations**

if necessary, resolve cases where evaluators were unable to agree.

Rank the proposals with the same score.

The Commission/Agency reviews the results of the experts' evaluation and puts together the **final ranking list**



Evaluation criteria (RIAs and IAs)

EXCELLENCE

Clarity and pertinence of the project's objectives, and the extent to which the proposed work is ambitious, and goes beyond the state-of-the-art.

Soundness of the proposed methodology, including the underlying concepts, models, assumptions, inter-disciplinary approaches, appropriate consideration of the gender dimension in research and innovation content, and the quality of open science practices including sharing and management of research outputs and engagement of citizens, civil society and end users where appropriate.

IMPACT

Credibility of the pathways to achieve the expected outcomes and impacts specified in the work programme, and the likely scale and significance of the contributions due to the project.

Suitability and quality of the measures to maximize expected outcomes and impacts, as set out in the dissemination and exploitation plan, including communication activities.

QUALITY AND EFFICIENCY OF THE IMPLEMENTATION

Quality and effectiveness of the work plan, assessment of risks, and appropriateness of the effort assigned to work packages, and the resources overall.

Capacity and role of each participant, and extent to which the consortium as a whole brings together the necessary expertise.

Proposals aspects are assessed to the extent that the proposed work is within the scope of the work programme topic.

Tips and tricks



Your proposed work must be within the scope of a work programme topic



You need to demonstrate that your idea is ambitious and goes beyond the state of the art



Your scientific methodology must take into account interdisciplinary, gender dimension and open science practices.



You should show how your project could contribute to the outcomes and impacts described in the work programme (the pathway to impact)



You should describe the planned measures to maximise the impact of your project ('plan for the dissemination and exploitation including communication activities')



You should demonstrate the quality of your work plan, resources and participants



Funding Portal



EU Funding & Tenders Portal

Sign in EN

Home Funding Procurement Projects & results News & events Work as an expert **Guidance & documents** Search... [Search icon] [Alert icon]

Home > Guidance & documents > Reference documents

Reference documents

Filters

2021 - 2027

Horizon Europe (...)

Programme Horizon Europe (HORIZON)

Grants

This page includes reference documents of the programmes managed on the EU Funding & Tenders portal starting with legal documents and the Commission work programmes up to model grant agreements and guides for specific actions. Please select the programme to see the reference documents.

Procurement

Reference Documents related to tendering opportunities are published on [TED eTendering](#) in the calls for tenders.

Expand all

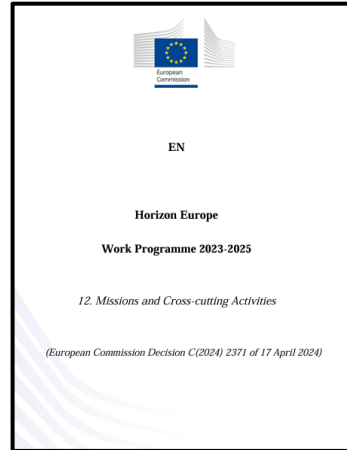
- > Legislation
- > Work programme & call documents
- > Grant agreements and contracts
- > Simplified cost decisions
- > Guidance
- ✓ **Templates & forms**
 - > **Application forms**
 - > Evaluation forms
 - > Validation and LEAR appointment forms
 - > Grant agreement preparation templates
 - > Project reporting templates



Essential documents



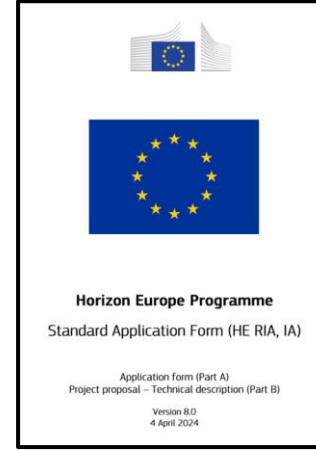
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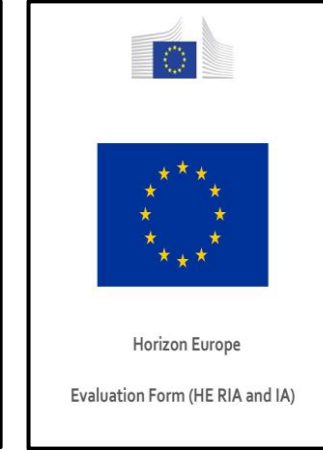
https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2023-2024/wp-12-missions_horizon-2023-2024_en.pdf



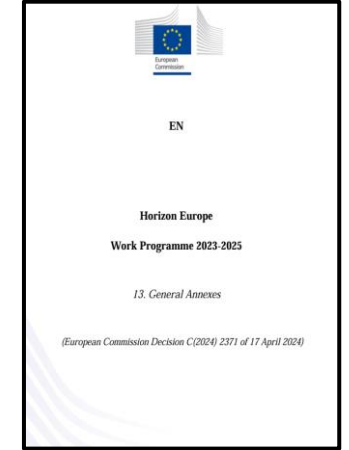
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https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2023-2024/wp-13-general-annexes_horizon-2023-2024_en.pdf

Identifying and understanding
the funding opportunities:
**HE Programme Guide
Work Programmes**

Understanding
how the Portal
works and the
tools available:
Online Manual

For preparing a proposal:
**Application and Evaluation Forms
WP General Annexes**



... one final point

European Commission | EU Funding & Tenders Portal

Home Funding Procurement Projects & results News & events **Work as an expert** Guidance & documents

Home > Work as an expert

Work as an expert

We need experts for:

- Assessing applications for EU funding (including prizes and tenders),
- Monitoring of EU funded projects and contracts,
- Giving your advice on specific issues.

Experts act in their individual capacity to assist the EU services with the implementation of EU funding & tenders managed through the Portal.

Do you have an extensive professional experience & proven domain-knowledge?

[Register as expert](#)

As **new expert**, you will be first requested to create your EU login account and register your profile.

Registered experts can update the profile via the 'My Expert Area' once **signed in**.

Find out more about the evaluation and monitoring objectives and scope in the [terms of reference](#).

If you need further guidance, access the [key steps for experts](#).

Calls for expressions of interest for experts

- [Call for expressions of interest for experts \(2021-2027\)](#)
- [Calls for expressions of interest for experts \(2014-2020\)](#)

Working materials

- [Standard briefing slides for HE evaluators](#)
- [Information for HE monitors](#)
- [Briefing videos for HE experts](#)
- [How to evaluate ethics in Horizon Europe proposals](#)

The best way to learn is by doing

You can register in the EU experts' database at any time

Click [here](#) to register!

Don't be afraid to try...



Thank you!

#HorizonEU

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<http://ec.europa.eu/horizon-europe>

https://rea.ec.europa.eu/index_en

https://hadea.ec.europa.eu/index_en

<https://erc.europa.eu/homepage>

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>



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