



Εθνικόν και Καποδιστριακόν
Πανεπιστήμιον Αθηνών

ΕΤΑΙΡΕΙΑ ΑΞΙΟΠΟΙΗΣΕΩΣ
ΚΑΙ ΔΙΑΧΕΙΡΙΣΕΩΣ ΤΗΣ ΠΕΡΙΟΥΣΙΑΣ
ΤΟΥ ΠΑΝΕΠΙΣΤΗΜΙΟΥ ΑΘΗΝΩΝ

Το νέο πρόγραμμα Ορίζοντας Ευρώπη

WORKSHOP | Τμήμα Γεωλογίας, ΕΚΠΑ
15 Νοεμβρίου 2022



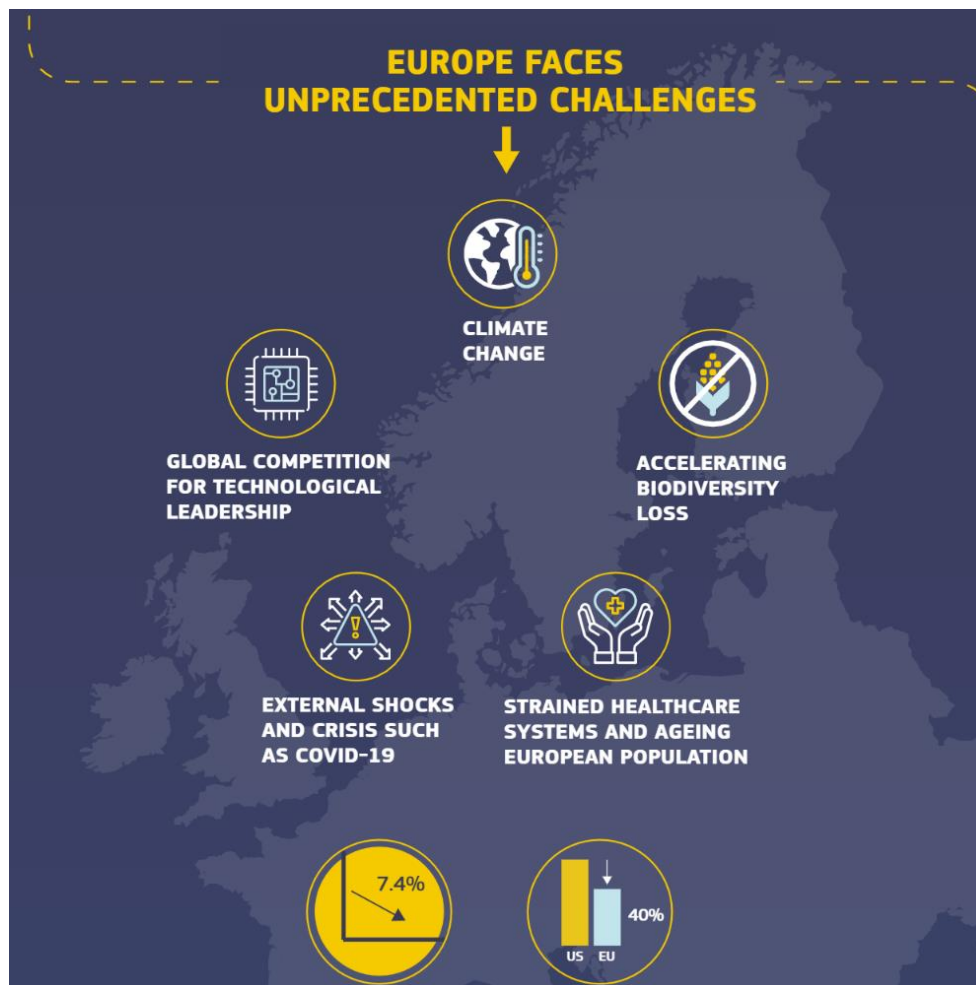
***Ορίζοντας Ευρώπη: Δομή Προγράμματος
και Κανόνες Συμμετοχής***



Τι προσπαθεί να επιτύχει ο Ορίζοντας Ευρώπη

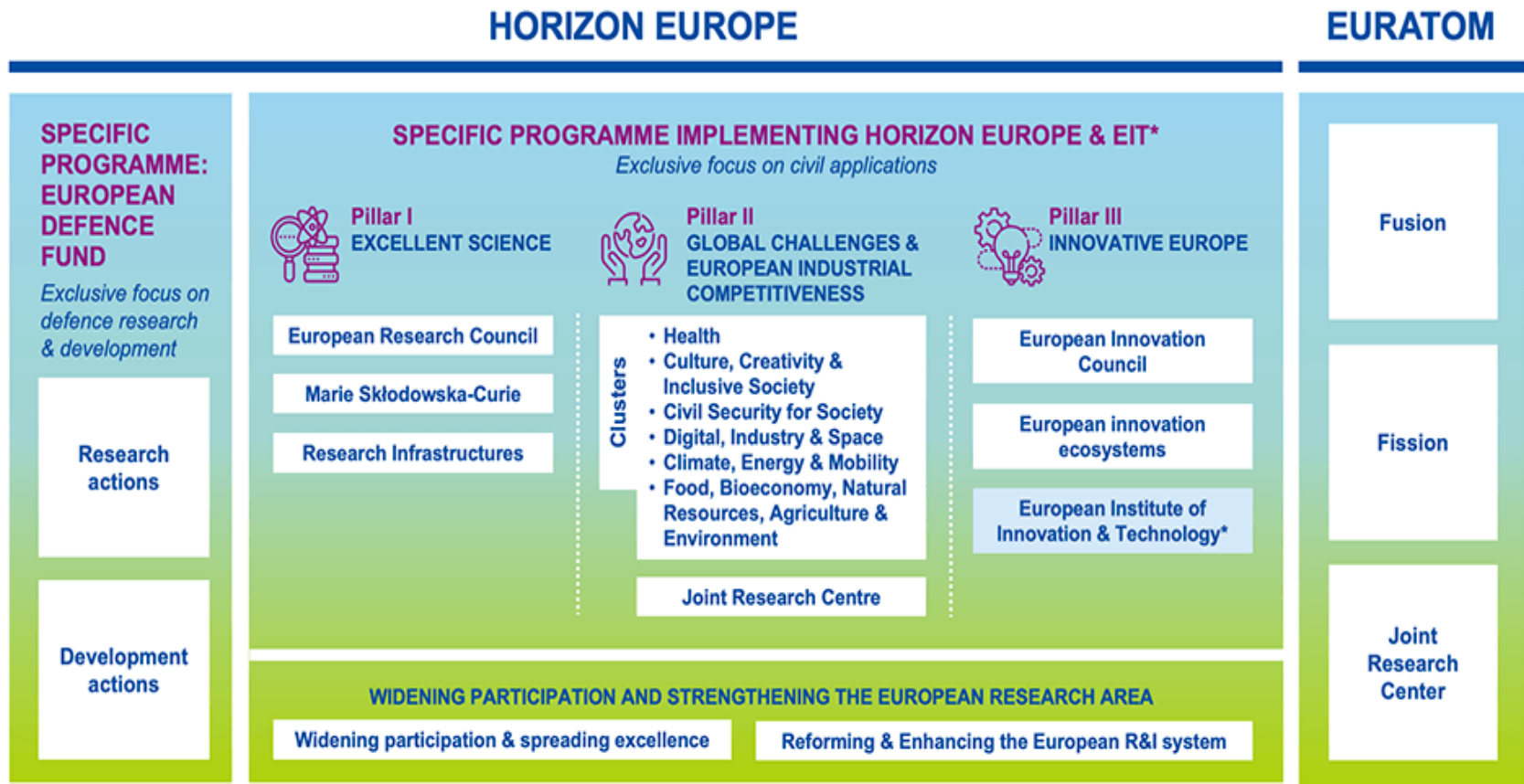


Μέσω της έρευνας και της καινοτομίας





Δομή του νέου Προγράμματος – Πλαίσιο Horizon Europe



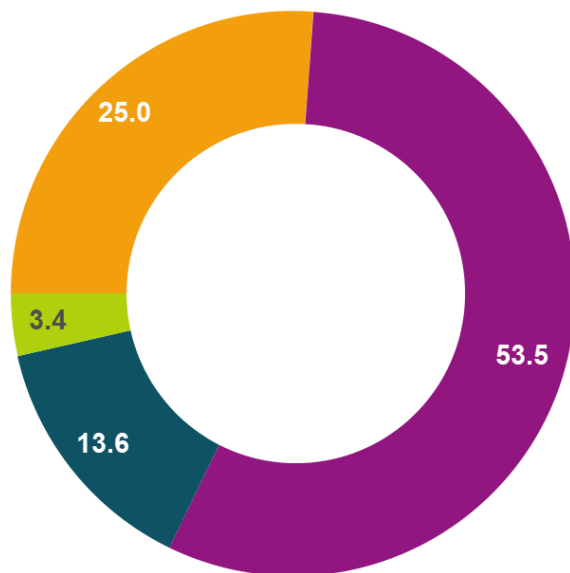
* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme



Τελικός προϋπολογισμός: **€ 95,5 δις.**

Horizon Europe Budget: €95.5 billion (2021-2027)

(including €5.4 billion from NGEU – Next Generation Europe – programme of EU for Recovery from COVID-19 crisis)



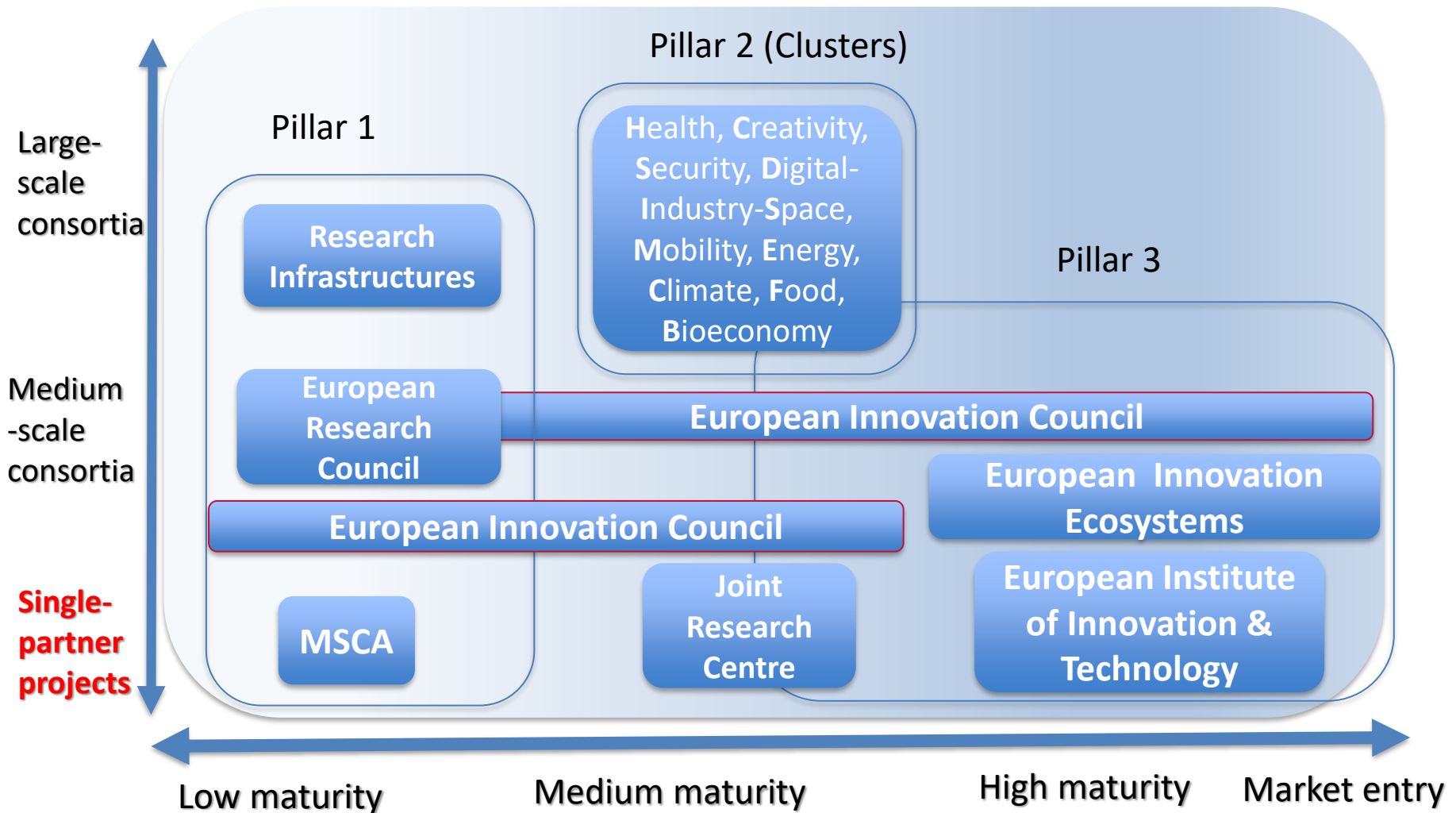
Political agreement December 2020

€ billion in current prices

- Excellent Science
- Global challenges and European ind. comp.
- Innovative Europe
- Widening Part and ERA



Βασικός προσανατολισμός





Πυλώνας 1: Επιστημονική Αριστεία

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

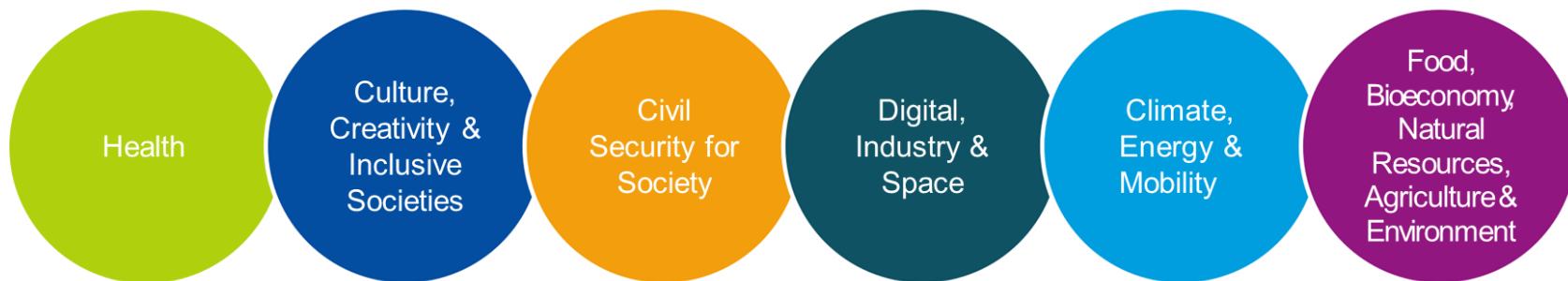


Πυλώνας 2: Παγκόσμιες Προκλήσεις και Ανταγωνιστικότητα της Βιομηχανίας

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)



€53.5 billion



A climate-resilient Europe: Prepare Europe for climate disruptions and accelerate the transformation to a climate resilient and Just Europe

Mission
Starfish 2030:
Restore our
oceans and
Water

Healthy
oceans,
seas,
coastal
and inland
waters



Adaptation to climate
change, including societal
transformation



**Mission
areas**



Cancer

Conquering
Cancer:
Mission
Possible

Climate-neutral
and smart cities



100 Climate Neutral
and Smart Cities by
2030



Soil health
and food

Caring for Soil
is Caring for
Life



Αποστολές Έρευνας και Καινοτομίας

Στόχοι για το 2030

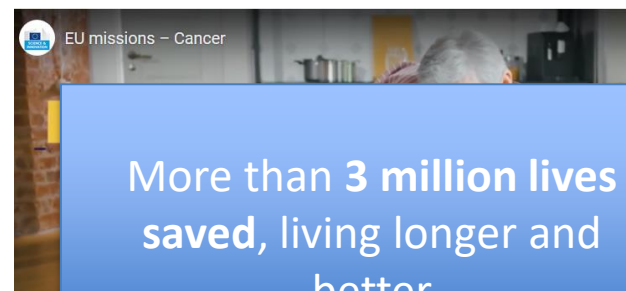
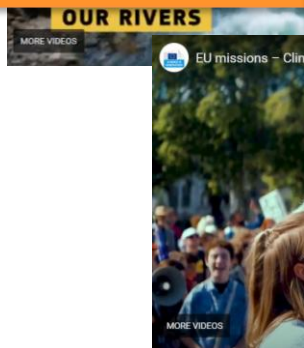
Prepare Europe to deal with **climate disruptions**, assisting citizens, communities and regions

Filling the knowledge gap, regenerating marine and water ecosystems, zero pollution

Support, promote and showcase **100 European cities** in their systemic transformation towards climate neutrality

More than **3 million lives saved**, living longer and better

Ensure **75% of soils** are healthy by 2030 for food, people, nature and climate





Πυλώνας 2: Ευρωπαϊκές Συμπράξεις



New approach to European Partnerships

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

Key Features

- **Strategic orientation**
- **Systemic approach**
- **Simple architecture and toolbox**
- **Common set of criteria for the life-cycle**

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 Art 185/187 of TFEU and the EIT legal acts for 2021-2027



Πυλώνας 3: Καινοτόμος Ευρώπη

Pillar III

INNOVATIVE EUROPE:

stimulating **market-creating breakthroughs** and **ecosystems** conducive to innovation

European Innovation Council

Support to innovations with breakthrough and market creating potential

European innovation ecosystems

Connecting with regional and national innovation actors

European Institute of Innovation and Technology (EIT)

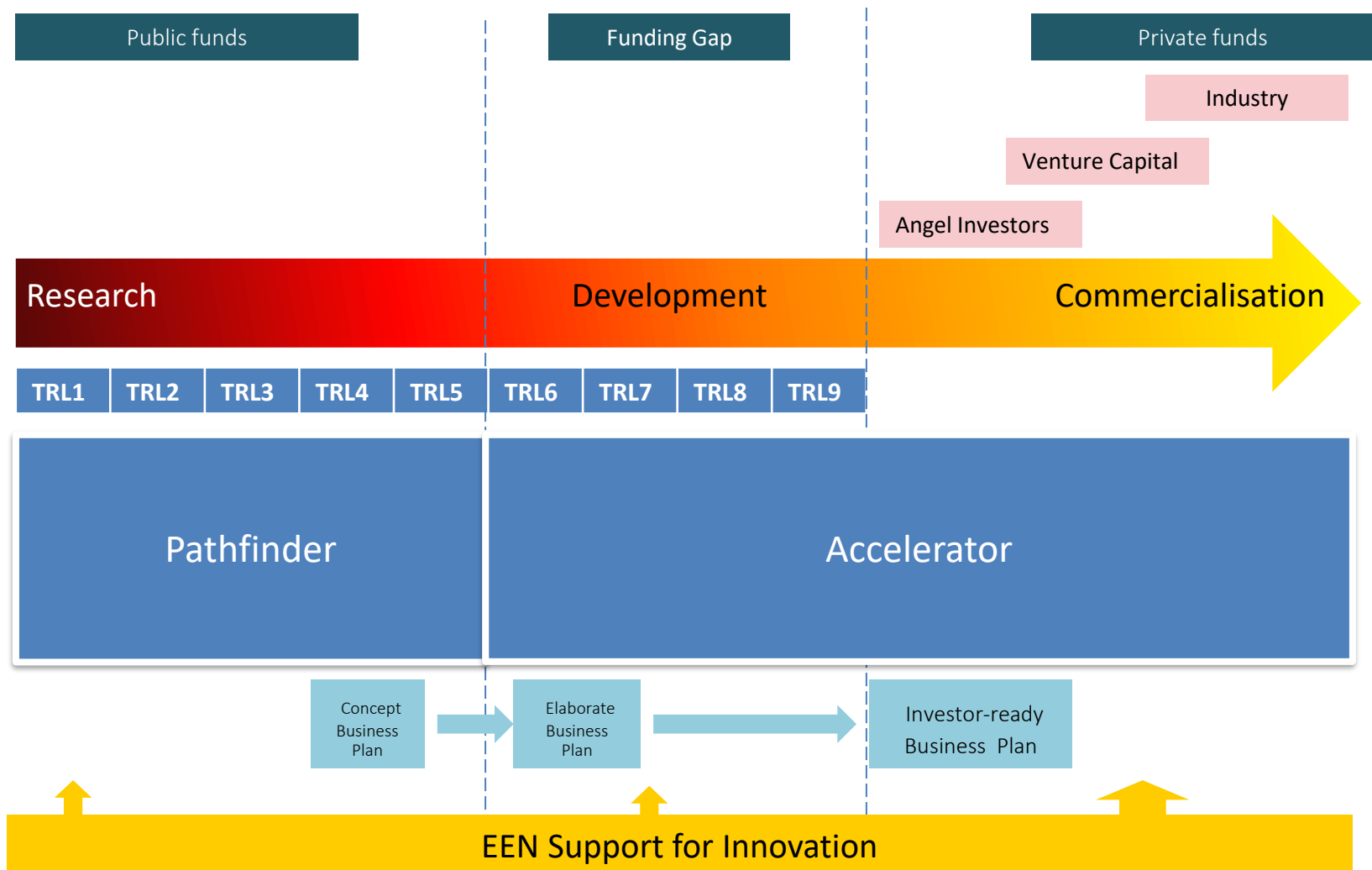
Bringing key actors (research, education and business) together around a common goal for nurturing innovation

The budget: **€10.6 billion**, incl. up to **€527 million** for ecosystems (including NGEU – Recovery Fund parts dedicated to EIC).

circa €3 billion



Χρηματοδοτικά εργαλεία : € 1bn





Οριζόντιες δράσεις

Widening Participation & Strengthening the European Research Area (ERA):

Widening Participation and Spreading Excellence

- Teaming, Twinning, ERA Chairs,
- European Cooperation in Science and Technology (COST)
- Boosting National Contact Points' (NCPs) activities, pre-proposal checks and advice
- Brain circulation
- Excellence initiatives:-
- Possibility for entities from widening countries to join already selected collaborative R&I actions
- Recognition of participation
- Matchmaking services

€2.96 billion

Reforming and enhancing the EU R&I system

- Strengthening the evidence base for R&I policy
- Foresight
- Support for policy makers to the ERA development
- Support to national R&I policy reform, including Policy Support Facility
- Attractive researcher careers and links with higher education
- Open science, citizen science and science communication
- Gender equality
- Ethics and integrity
- Support to international cooperation
- Scientific input to other policies
- Support to the Programme implementation
- Support for National Contact Points
- Support to dissemination & exploitation

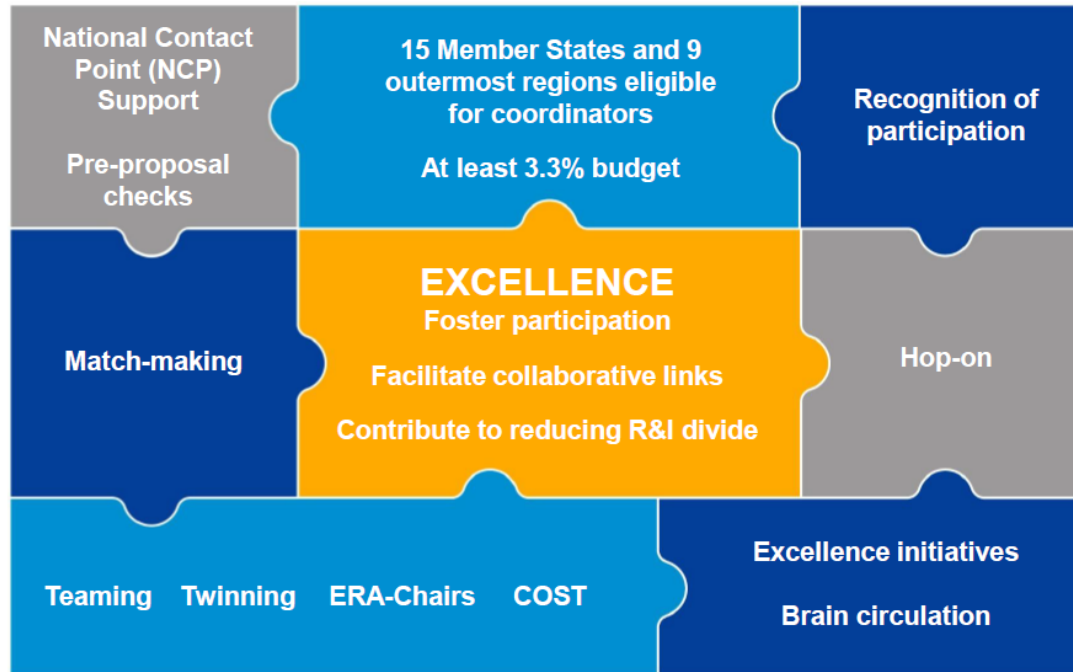
€0.44 billion



Διεύρυνση της συμμετοχής και επέκταση της αριστείας



Widening participation/spreading excellence



Νέο status της
Ελλάδας-χώρα
'widening'- νέες
ευκαιρίες



Ενδεικτικές ανοιχτές και επικείμενες προκηρύξεις



Ορίζοντας Ευρώπη: State of Play

Strategic plan gives direction to the work programme




Main Features

- Early involvement and extensive exchanges with Member States
- Extensive exchanges with the European Parliament
- Consultations with stakeholders and public at large




Funding and Tender Opportunities Portal

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



European Commission

Funding & tender opportunities
Single Electronic Data Interchange Area (SEDIA)

English 

Register Login

SEARCH FUNDING & TENDERS ▾ HOW TO PARTICIPATE ▾ PROJECTS & RESULTS WORK AS AN EXPERT SUPPORT ▾

Find calls for proposals and tenders

ERA corona platform Brexit info Report fraud

Search calls for proposals and tenders by keywords, programmes...

Search

EU Programmes

Asylum, Migration and Integration Fund (AMIF)	Border Management and Visa Instrument (BMVI)	Customs Control Equipment Instrument (CCEI)	Connecting Europe Facility (CEF)	Citizens, Equality, Rights and Values Programme (CERV)	Creative Europe (CREA)
Customs Programme (CUST)	Digital Europe Programme (DIGITAL)	Europe Direct (ED)	European Defence Fund (EDF)	European Parliament (EP)	EU Anti-fraud Programme (EUAF)
European Solidarity Corps (ESC)	Erasmus+ Programme (ERASMUS+)	European Social Fund + (ESF)	European Maritime, Fisheries and Aquaculture Fund (EMFAF)	Euratom Research and Training Programme (EURATOM)	Fiscalis Programme (FISC)
Innovation Fund (INNOVFUND)	Internal Security Fund (ISF)	Horizon Europe (HORIZON)	Single Market Programme (SMP)	Social Prerogative and Specific Competencies Lines (SOCPL)	EU External Action (RELEX)

News

13 Sep, 2021

Horizon Results Platform (HRP) featured in Euronews article on bridging the gap between research and market

The Horizon Results Platform promotes all EU-funded research and innovation. It aims to build a bridge between Europe's most innovative startups and private inv...

Webinar on 05 October 2021 – Horizon Results Booster: Bring a continual stream of innovation to the market and beyond

The European Commission is organising an open information session on the Horizon Results Booster, the EU initiative that provides a set of free tailor-made serv...


06 Sep, 2021

European Defence Fund (EDF) - Call for experts!

A call for experts for EDF has been published on the European Commission DG DEFIS website. IMPORTANT: Interested experts are invited to register in the Funding...

All news >

Useful links

 Calls for tenders on Ted



ERC funding schemes



European Research Council
Established by the European Commission



Starting Grant

Size of the grant: up to €1.5 million + up to €1 million

Duration: up to 5 years

2-7 years of experience since completion of their PhD



Consolidator Grant

Size of the grant: up to €2 million + up to €1 million

Duration: up to 5 years

7-12 years of experience since completion of their PhD



Advanced Grant

Size of the grant: up to €2.5 million + up to €1 million

Duration: up to 5 years

An excellent scientific track record of recognized achievements in the last 10 years



ERC funding schemes



European Research Council
Established by the European Commission

Synergy grant



Size of the grant: €10 million + up to €4 million

Duration: up to 6 years

Be composed of 2 to 4 researchers and their research groups
(one researcher can be based outside EU/AC)

Proof of Concept



Size of the grant: €150 000

Duration: up to 18 months

Demonstrate that the idea funded by the original ERC grant
has innovation potential and significant economic or
societal benefits



Marie Skłodowska Curie Actions

Doctoral Networks

*Doctoral programmes
in and outside
academia incl. joint &
industrial doctorates*

Postdoctoral Fellowships

*Support to excellent
postdoctoral
researchers*

Staff Exchanges

*Support for research
and innovation staff
exchanges*

COFUND

*Co-funding doctoral
and postdoctoral
programmes*

MSCA and Citizens

*Public outreach
events (Night)*



ERC 2022 & 2023 Call Calendar

ERC calls	Call Opening	Submission Deadline
Starting Grants ERC-2023-StG	12/07/2022	25/10/2022
Synergy Grants ERC-2023-SyG	13/07/2022	08/11/2022
Consolidator Grants ERC-2023-CoG	28/09/2022	02/02/2023
Advanced Grants ERC-2023-AdG	08/12/2022	23/05/2023

And **ERC-2024** calls to be announced soon for 2023-2024!



Marie Skłodowska Curie – open & upcoming calls

- HORIZON-MSCA-2022-DN-01: **call deadline: 15 Nov 2022,**
2023 call expected
- HORIZON-MSCA-2022-COFUND-01: call open, deadline:
09 February 2023
- HORIZON-MSCA-2022-SE-01: call open, deadline:
08 March 2023
- HORIZON-MSCA-2023-PF-01: expected to open in April 2023



Cluster 1: Health

Areas of intervention

- **environmental and social health determinants**

Indicative thematic areas and keywords

- ☐ Environment and health
 - Environmental pollution
 - Climate change
 - Health impacts



Indicative opening and
closing dates
January 2023
April 2023



Cluster 2: Culture, Creativity and Inclusive society

Areas of intervention

- Democracy
- Cultural heritage
- Social and economic transformations

Indicative thematic areas and keywords

- ☐ Cultural heritage
 - Technologies, tools, materials
 - Climate change and transition
- ☐ Social and economic transformations
 - Green and digital transition



Indicative opening and
closing dates
December 2022
February 2023



Cluster 3: Civil security for society

- Cluster 3 WP responds to the challenges arising from persistent security threats, including cybercrime, as well as natural and man-made disasters.
- It builds on lessons learnt from Covid-19 crisis (prevention, mitigation, preparedness and capacity building for crises).

Areas of Intervention:

- disaster-resilient societies
 - Call: **Disaster-Resilient Society 2023** - expected to open ~ **June 2023**





Cluster 4: Digital, Industry and Space

Indicative thematic areas and keywords

- ☐ Climate change and related issues
- ☐ Raw materials
- ☐ Earth observation

Indicative opening and
closing dates
December 2022
April 2023



Cluster 4: Digital, Industry and Space

Destinations

- **Climate neutral, circular and digitised production**
 - › **Processes4Planet partnership**
 - › **Clean Steel Partnership**
- **World leading data and computing technologies**
 - › **AI Data and Robotics Partnership**
- **Digital and emerging technologies for competitiveness and fit for the Green Deal**
- **Open strategic autonomy in developing, deploying and using global space-based infrastructures, services, applications and data**
- **A human-centred and ethical development of digital and industrial technologies**



Cluster 4: Digital, Industry and Space

Indicative open topics

- **EGNSS applications for Safety and Crisis management**
TOPIC ID: HORIZON-EUSPA-2022-SPACE-02-52 (IA)
Deadline: 2 March 2023
- **GOVSATCOM Service developments and demonstrations**
TOPIC ID: HORIZON-EUSPA-2022-SPACE-02-61 (RIA)
Deadline: 2 March 2023
- **Public sector as Galileo and/or Copernicus user**
TOPIC ID: HORIZON-EUSPA-2022-SPACE-02-52 (HORIZON Pre-commercial Procurement)
Deadline: 2 March 2023
- **Large-scale Copernicus data uptake with AI and HPC**
TOPIC ID: HORIZON-EUSPA-2022-SPACE-02-55 (RIA)
Deadline: 2 March 2023



Cluster 5: Climate, Energy and Mobility

Areas of intervention

- climate science and solutions
- energy storage



Indicative open topics

- **Novel Thin Film (TF) technologies targeting high efficiencies (RIA)**
TOPIC ID: HORIZON-CL5-2022-D3-03-05
Deadline: 10 Jan 2023



Cluster 5: Climate, Energy and Mobility

Indicative thematic areas and keywords

- ☐ Climate sciences
- ☐ Climate change, solutions, transition, adaptation
- ☐ Energy use, supply, efficiency etc.
- ☐ Renewable energy

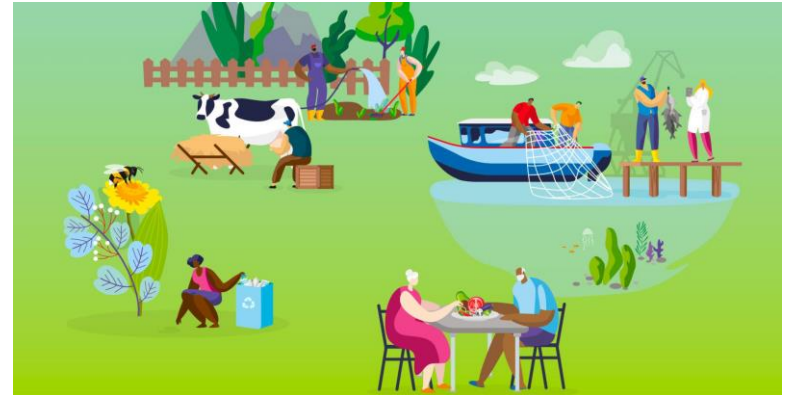
Indicative opening and
closing dates
December 2022
April 2023



Cluster 6: Food, Bioeconomy, Natural Resources, Agriculture and Environment

Areas of intervention

- **environmental observation**
- biodiversity and natural resources
- agriculture, forestry and rural areas
- seas, oceans and inland waters
- food systems
- bio-based innovation systems in the EU's bioeconomy
- circular systems





Cluster 6: Food, Bioeconomy, Natural Resources, Agriculture and Environment

Indicative thematic areas and keywords

- ☐ Climate change and environment / ecosystems
- ☐ Climate and biodiversity
- ☐ Climate and water
- ☐ Clean environment and zero pollution

Indicative opening and
closing dates
November 2022
February 2023



HE Missions – upcoming calls

- **Mission: Adaptation to Climate Change**
- Call - Demonstration of climate resilience solutions in support of the implementation of the Adaptation to Climate Change Mission (3 topics - expected to open: Jan 2023)
- **Mission: Restore our Ocean and Waters by 2030**
- Call - Actions for the implementation of the Mission Restore our ocean and waters by 2030 (11 topics - expected to open: Jan 2023)
- **Mission: A Soil Deal for Europe**
- Call - Research and Innovation and other actions to support the implementation of mission A Soil Deal for Europe (9 topics - expected to open: Jan 2023)



HE Missions – upcoming calls (cont'd)

- **Joint Call** between Mission 100 Climate Neutral and Smart Cities by 2030 and Mission Adaptation to Climate Change (1 topic - expected to open: **Jan 2023**)
- **Joint Call** between Mission Restore our Ocean and Waters by 2030, Mission Adaptation to Climate Change and Mission A Soil Deal for Europe (1 topic - expected to open: **Jan 2023**)
- **Joint Call** between Mission Restore our Ocean and Seas by 2030 and Mission A Soil Deal for Europe (1 topic - expected to open: **Jan 2023**)



European Institute of Innovation and Technology (EIT)

EIT Climate-KIC



EIT Digital



EIT InnoEnergy



EIT Raw Materials



EIT Health



EIT Food





Στοιχεία της ελληνικής συμμετοχής στο πρόγραμμα Ορίζοντας Ευρώπη

Net EU Contribution Total Cost

Signed Grants

Participation

Unique Participants

276,8M^{3,73%}
HORIZON EUR...

304,1M^{3,71%}
HORIZON EUR...

406^{13,15%}
HORIZON EU...

765^{3,97%}
HORIZON EU...

282^{3,53%}
HORIZON EU...



Overview by programme/pillar/thematic priority/keyword

Global Challenges and European Industrial Competitiveness
614

Excellent Science
95

Widening Participation and
Strengthening the European
Research Area
43

Innova-
tive
Europe
13



Χρήσιμοι σύνδεσμοι

- › Horizon Europe: https://ec.europa.eu/info/horizon-europe_en
- › R&I Missions (incl. reports): https://ec.europa.eu/info/horizon-europe/missions-horizon-europe_en
- › Partnerships for R&I: https://ec.europa.eu/info/horizon-europe/european-partnerships-horizon-europe_en
- › Open science policy: https://ec.europa.eu/info/research-and-innovation/strategy/goals-research-and-innovation-policy/open-science_en
- › EU approach to sustainable development: https://ec.europa.eu/info/strategy/international-strategies/sustainable-development-goals/eu-holistic-approach-sustainable-development_en
- › European Innovation Council: <https://ec.europa.eu/research/eic/index.cfm>
- › European Institution of Innovation and Technology: <https://eit.europa.eu/>
- › Knowledge and Innovation Communities: <https://eit.europa.eu/our-communities/eit-innovation-communities>
- › European Open Science Cloud: <https://eosc-portal.eu/>



Ελληνική διαδικτυακή πύλη για τον Ορίζοντα
Ευρώπη

<http://horizoneurope.gr/>



HORIZON EUROPE
2021-2027

ΤΟ ΠΡΟΓΡΑΜΜΑ

ΝΕΑ & ΕΚΔΗΛΩΣΕΙΣ

ΥΠΟΣΤΗΡΙΞΗ

ΔΗΜΟΣΙΕΥΣΕΙΣ

ΕΠΙΚΟΙΝΩΝΙΑ



Framework Programmes Consultation Platform

ΓΓΕΚ
ΓΕΝΙΚΗ ΓΡΑΜΜΑΤΕΙΑ
ΕΡΕΥΝΑΣ ΚΑΙ ΚΑΙΝΟΤΟΜΙΑΣ

ηράξη
δίκτυο διάχυσης τεχνολογίας

Νέα | 15-10-2021

Εκδηλώσεις δικτύωσης (Brokerage Events) για τον Ορίζοντα Ευρώπη – Προκήρυξη 2022

Το Ευρωπαϊκό δίκτυο των Εθνικών Σημείων Επαφής - Bridge2HE- σας προσκαλεί να συμμετάσχετε στις παρακάτω εκδηλώσεις δικτύωσης (Brokerage Events) για τον Ορίζοντα Ευρώπη.

Σας ευχαριστώ για την
προσοχή σας!

Κατερίνα Παπαδούλη
papadouli@praxinetwork.gr

