

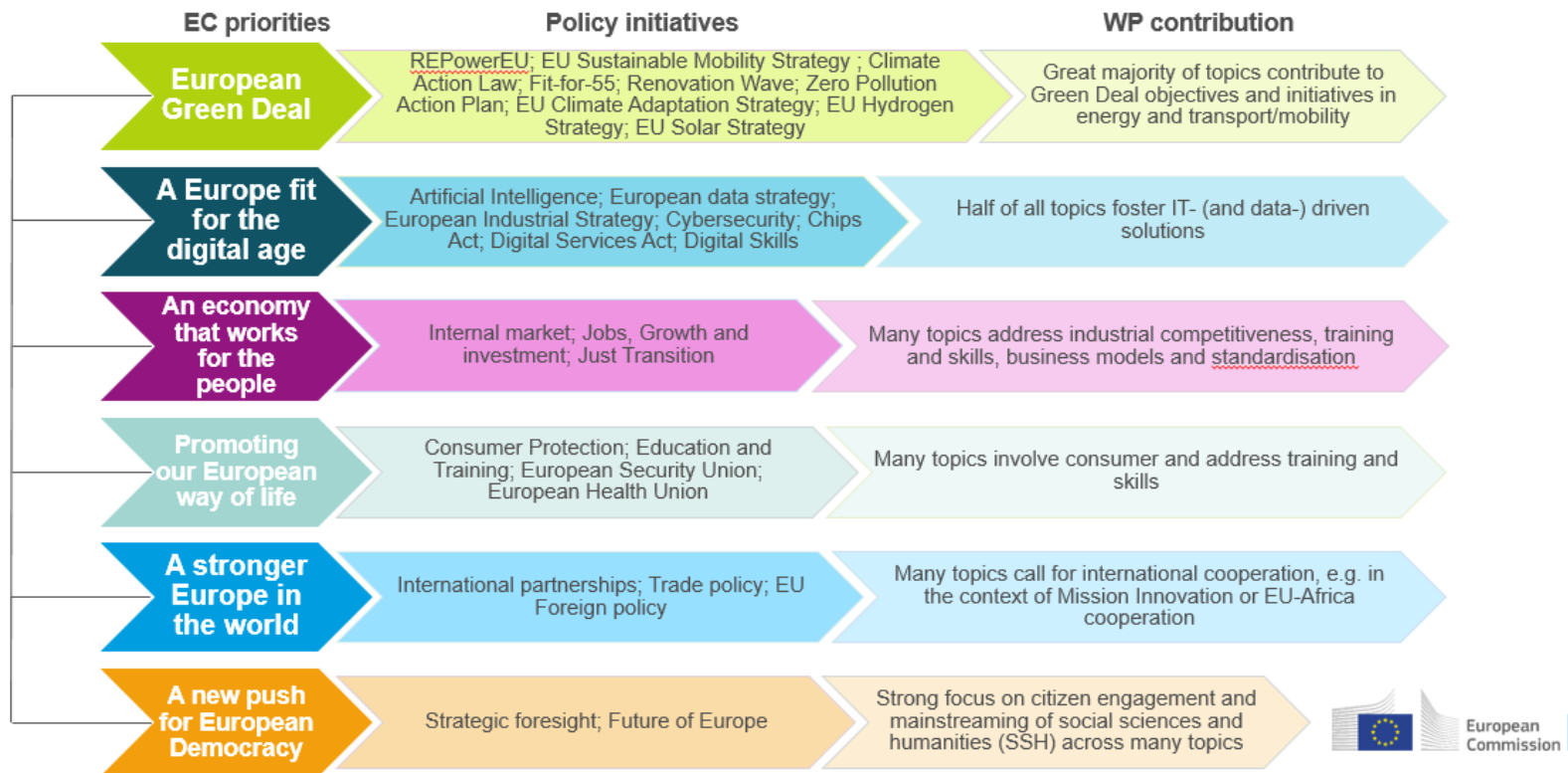
**«Δομή του προγράμματος πλαίσιο «Ορίζοντας  
Ευρώπη»**

Βασιλική Καλοδημου, Δίκτυο ΠΡΑΞΗ/ΙΤΕ  
8 Ιουνίου 2023



# Policy framework

## WP 2023-2024: EU policy objectives

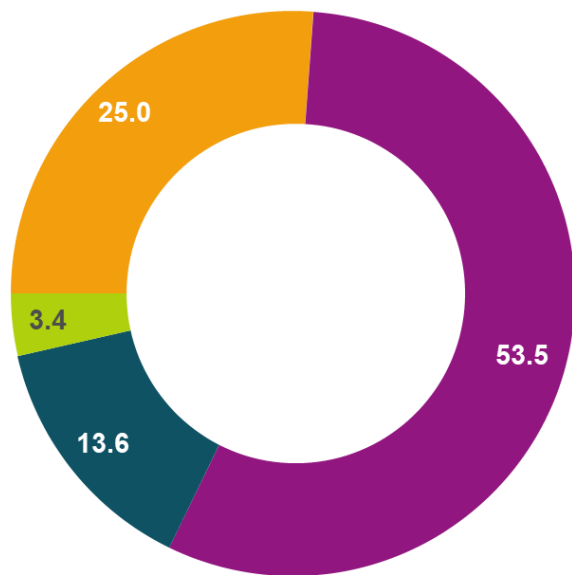




Το μεγαλύτερο πρόγραμμα της ΕΕ για την Έρευνα και την Καινοτομία

## 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)



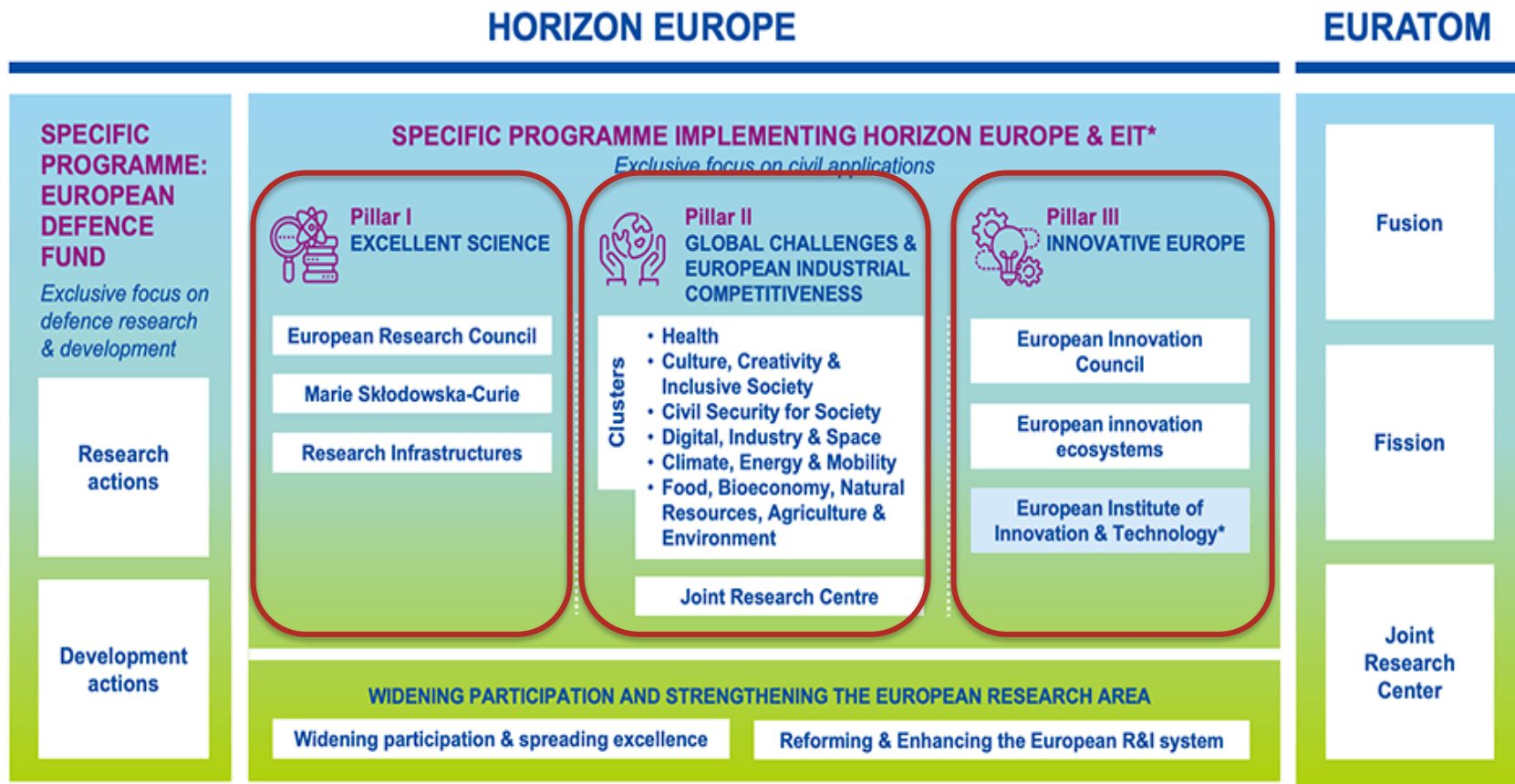
### Political agreement December 2020

*€ billion in current prices*

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



# Δομή του νέου Προγράμματος – Πλαίσιο Horizon Europe



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



## 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**

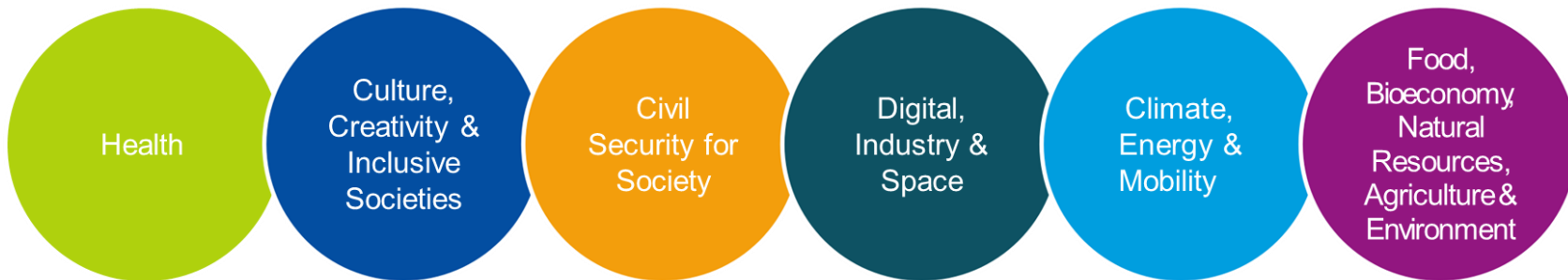


## Πυλώνας 2: Παγκόσμιες Προκλήσεις και Ανταγωνιστικότητα της Βιομηχανίας

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



## Cluster 5 Budget 2021-2027

Πυλώνας II

### Προϋπολογισμός για τις ομάδες και για το JRC

σε τρέχουσες τιμές

<b>Ομάδα 1:</b>	Υγεία	<b>8,246 δισ. ευρώ</b> (συμπεριλ. 1,35 δισ. ευρώ από το NGEU)
<b>Ομάδα 2:</b>	Πολιτισμός, δημιουργικότητα και κοινωνίες χωρίς αποκλεισμούς	<b>2,280 δισ. ευρώ</b>
<b>Ομάδα 3:</b>	Πολιτική προστασία για την κοινωνία	<b>1,596 δισ. ευρώ</b>
<b>Ομάδα 4:</b>	Ψηφιακές τεχνολογίες, βιομηχανία και διάστημα	<b>15,349 δισ. ευρώ</b> (συμπεριλ. 1,35 δισ. ευρώ από το NGEU)
<b>Ομάδα 5:</b>	Κλίμα, ενέργεια και κινητικότητα	<b>15,123 δισ. ευρώ</b> (συμπεριλ. 1,35 δισ. ευρώ από το NGEU)
<b>Ομάδα 6:</b>	Τρόφιμα, βιοοικονομία, φυσικοί πόροι, γεωργία και περιβάλλον	<b>8,952 δισ. ευρώ</b>
	JRC (μη πυρηνικές άμεσες δράσεις)	<b>1,970 δισ. ευρώ</b>

Οι ομάδες περιλαμβάνουν προϋπολογισμό για συμπράξεις και αποστολές  
Το NGEU είναι το ενωσιακό πρόγραμμα «Next Generation EU» – Ταμείο ανάκαμψης





## Cluster 4 “Digital, Industry and Space”

### Areas of intervention

- manufacturing technologies
- key digital technologies including quantum technologies
- emerging enabling technologies
- advanced materials
- artificial intelligence and robotics
- next generation internet
- advanced computing and Big Data
- circular industries
- low carbon and clean industries
- space including earth observation

**HORIZON-CL4-2024-TWIN-TRANSITION-01-35:**  
Turning CO2 emissions from the process industry to  
feedstock (Processes4Planet partnership)

**HORIZON-CL4-2024-DIGITAL-EMERGING-01-54:**  
Smart photonics for joint  
communication & sensing and access everywhere  
(Photonics Partnership)

**HORIZON-CL4-2024-RESILIENCE-01-01:**  
Exploration of critical raw materials in  
deep land deposits



## Cluster 5: Climate, Energy and Mobility



**Areas of intervention** HORIZON-CL5-2024-D1-01-04: Improved toolbox for evaluating the climate and environmental impacts of trade policies

- climate science and solutions
  - energy supply HORIZON-CL5-2023-D2-01-03: Advanced digital twins for battery cell production lines (Batt4EU Partnership)
  - energy systems and grids HORIZON-CL5-2023-D3-01-02: PV integration in buildings and in infrastructure
  - buildings and industrial facilities in energy transition
  - communities and cities HORIZON-CL5-2023-D4-02-04: Fast-tracking and promoting built environment construction and renovation innovation with local value chains (Built4People Partnership)
  - industrial competitiveness in transport
  - clean, safe and accessible transport and mobility
  - smart mobility HORIZON-CL5-2024-D5-01-06: New designs, shapes, functionalities of Light Commercial Vehicles (2ZERO Partnership)
  - energy storage
- HORIZON-CL5-2024-D6-01-01: Centralised, reliable, cyber-secure & upgradable in-vehicle electronic control architectures for CCAM connected to the cloud-edge continuum (CCAM Partnership)



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



## 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**



## Πυλώνας 3: Ευρωπαϊκό Συμβούλιο Καινοτομίας (EIC)



**eic** European **INNOVATION** Council

**EMPOWERING EUROPEAN INNOVATORS**

**The EIC story**

*"Europe does not yet have a world class scheme to support the very best innovations in the way that the European Research Council is the global reference for supporting excellent science. So I would like us to take stock of the various schemes to support innovation and SMEs under Horizon 2020, to look at best practice internationally, and to design a new European Innovation Council."*

**Carlos Moedas, European Commissioner for Science & Innovation, June 2015.**

Research and Innovation



## Πυλώνας 3: Ευρωπαϊκό Συμβούλιο Καινοτομίας (EIC)



### European Innovation Council

Support to innovations with breakthrough and disruptive nature and scale up potential that are too risky for private investors (**70% of the budget earmarked for SMEs**)

**European  
Innovation Council –  
a one-stop-shop**

- **Helping researchers and innovators create markets of the future, leverage private finance, scale up their companies**
- **Innovation centric, risk taking & agile, pro-active management and follow up**
- **Mostly 'bottom up', but also targeting strategic challenges**
- **EIC Programme Managers to develop visions for breakthroughs and steer portfolios**

Complementary instruments bridging the gap from idea to market

#### **PATHFINDER**

**R&I grants**  
(from early technology  
to proof of concept)

#### **TRANSITION**

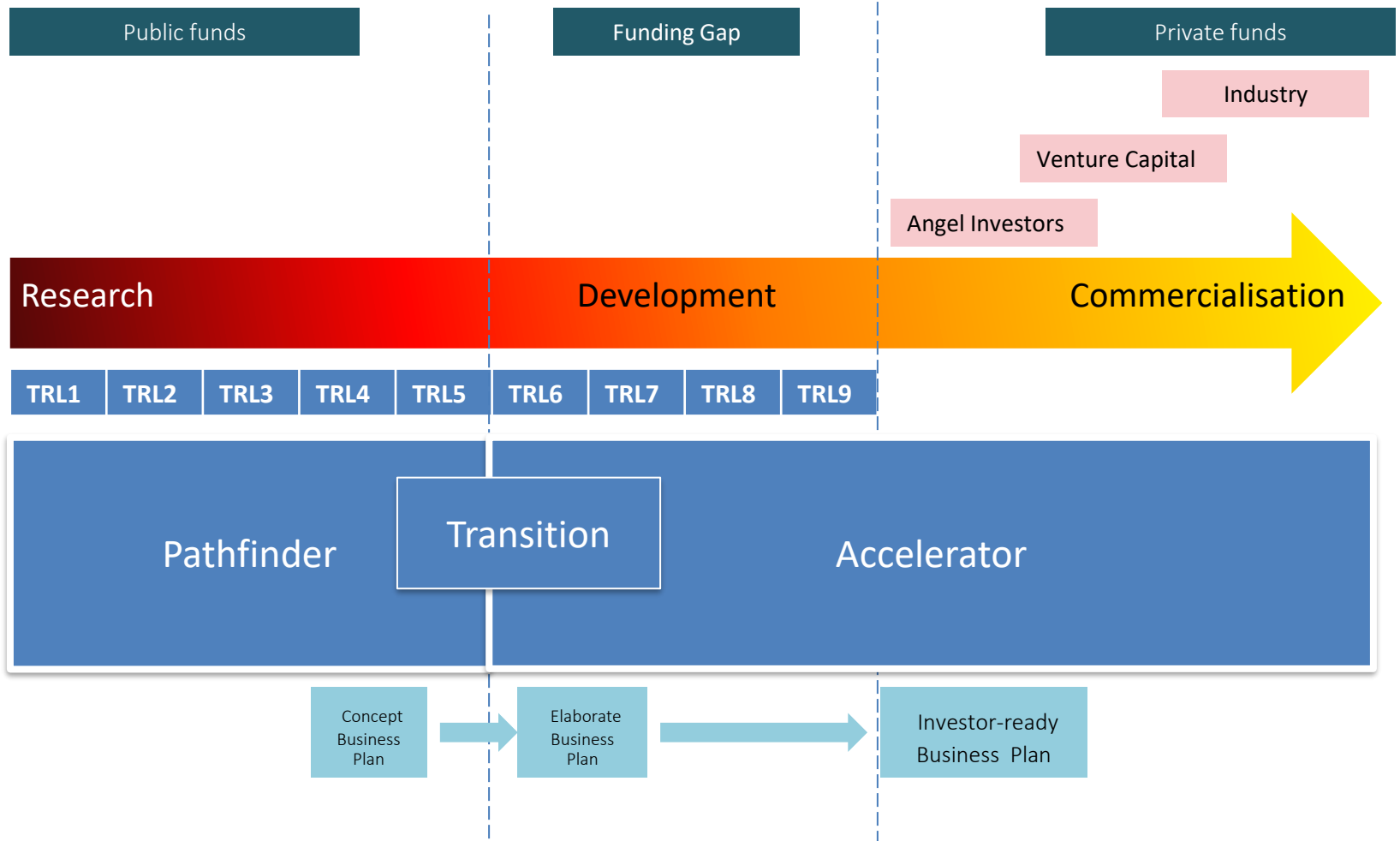
**R&I grants**  
(proof of concept to  
pre-commercial)

#### **ACCELERATOR**

**Grants & investment (via EIC Fund) for  
single SMEs & start-ups**  
(from pre-commercial to market & scale-up)



## Χρηματοδοτικά εργαλεία : € 1bn





# Ευρωπαϊκό Ινστιτούτο Τεχνολογίας και Καινοτομίας (EIT)



European Institute of  
Innovation & Technology

## Making innovation happen

The EIT is a body of the European Union



### What is the EIT?

The European Institute of Innovation and Technology (EIT) drives innovation in Europe by supporting entrepreneurs, innovators and students across Europe to turn their best ideas into reality.

### How does the EIT work?



Trains a new generation of entrepreneurs

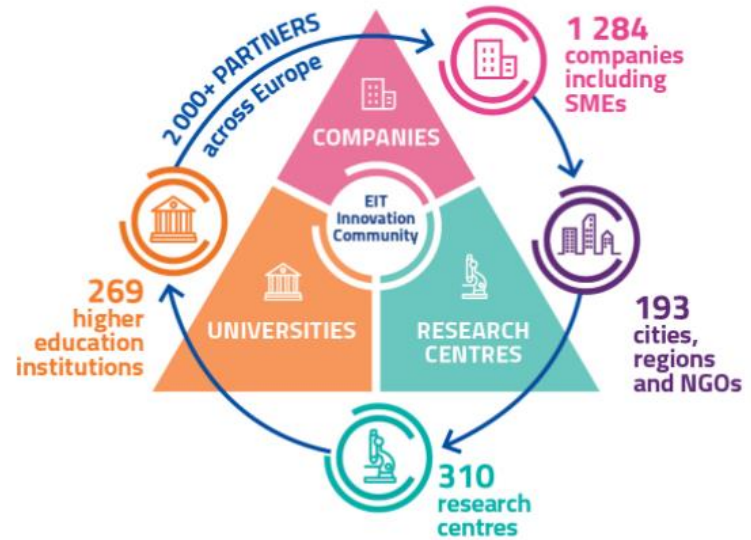


Develops innovative products and services



Power start-ups & scale-ups

### Europe's largest innovation community





## Κοινότητες γνώσης και καινοτομίας του EIT

### EIT Innovation Communities



New partnership loading...





Παράδειγμα έργου



**REHOUSE**

**ACCELERATING  
THE EUROPEAN  
RENOVATION RATE**

<https://rehouse-project.eu/>



## RE-HOUSE

**Cluster:** Climate, Energy and Mobility

**Call ID:** HORIZON-CL5-2021-D4-02-02

**Destination 4:** Efficient, sustainable energy use

**Main target:** Building Stock

**EU partnership:** Built4People

### **Overarching objectives:**

- ✓ Understanding of buildings performance in Europe
- ✓ Effectively combine energy efficiency, renewable energy sources and digital and smart technologies to support the transformation towards climate neutrality
- ✓ Higher buildings' performance with lower environmental impacts through increased rates of **holistic renovations**
- ✓ Affordable built environment safeguarding cultural heritage and ensuring better living conditions



## The consortium



- › Budget: 12 mio euro
- › To be split among: 23 partners
- › Coordinator: FUNDACION CARTIF (ES)
  
- › No of countries: 6+1
  - Greece: 6 partners
  - Italy: 8 partners
  - France: 3 partners
  - Hungary: 3 partners
  - Poland: 1 partner
  - Germany: 1 partner
  - Switzerland: 2 partners (no contribution)
  
- › Consortium composition: RTOs, Universities, construction companies, engineering companies, consulting companies
  
- › More information: EU Cordis - <https://cordis.europa.eu/project/id/101079951>



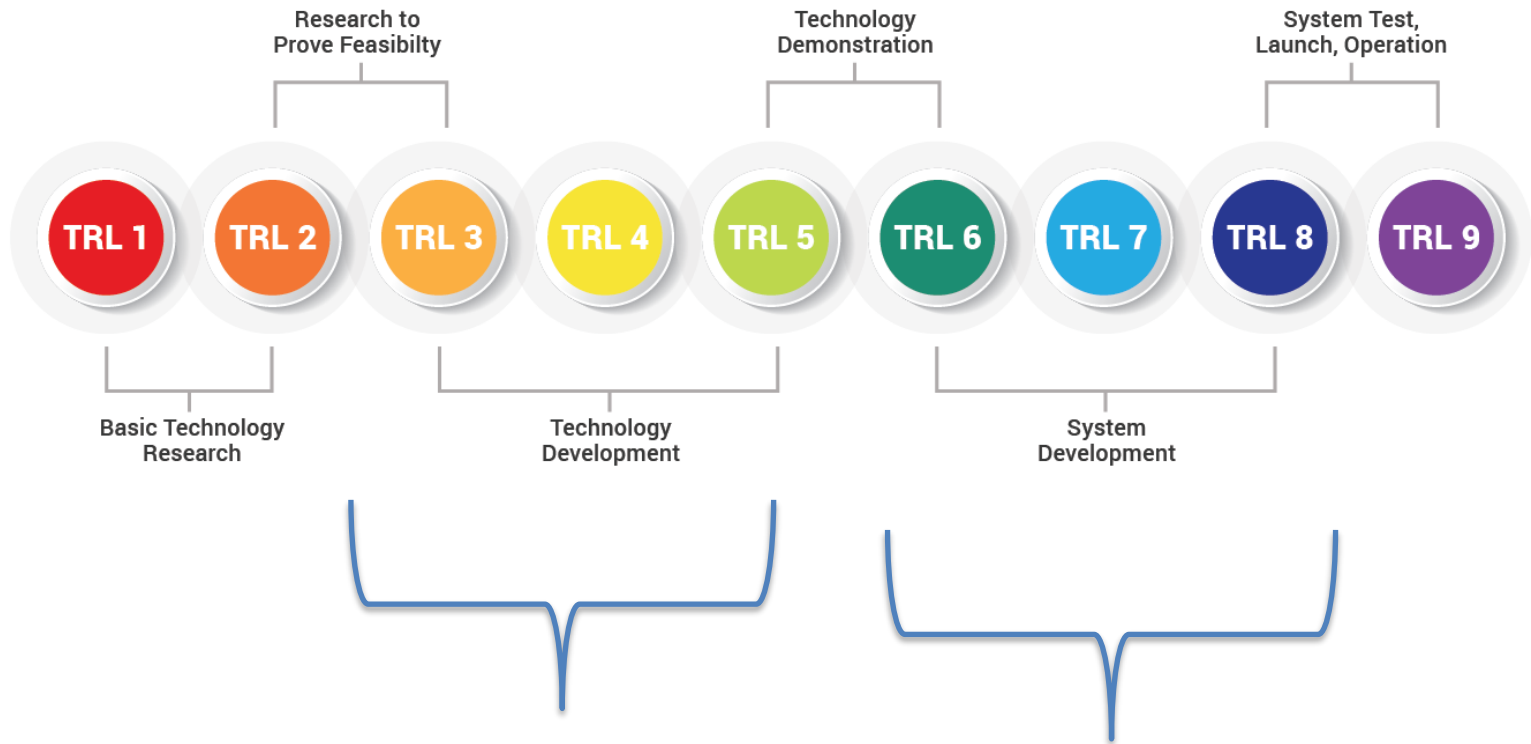
## Βασικά είδη δράσης που χρηματοδοτούνται

### Activities eligible for funding – Type of actions





## Technology readiness level



**Research & Innovation Actions**  
**Funding rate: 100%**

**Innovation Actions**  
**Funding rate: 70%**



# Ευρωπαϊκή πύλη για τα συγχρηματοδοτούμενα προγράμματα

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

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

English EN  
Register Login

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

### Find calls for proposals and tenders

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

#### 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)	<b>Horizon Europe (HORIZON)</b>	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...

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](#)



# Αναζήτηση προκήρυξης στο Funding and Tender Opportunities portal

Type your Keywords...

Match whole words only

GRANTS  TENDERS

**Submission status**

Forthcoming (380)  Open for submission (407)  Closed (49)

**Programming period**

Select a Programme period...

**Horizon Europe (HORIZON)**

**Programme part**

Select a Programme part...

**Mission**

Select a Mission...

**Destination**

Select a Destination...

**Quick search on specific priorities**

Select a Priority...

## Funding and tenders (836)

[Need help?](#)



Sort by:

Submission status

### Grant Support for policy makers – Programme level collaboration between national R&I programmes

Open for submission

<b>Programme</b>	Horizon Europe (HORIZON)	<b>Deadline model</b>	single-stage
<b>ID</b>	HORIZON-WIDERA-2021-ERA-01-09	<b>Opening date</b>	22 June 2021
<b>Types of action</b>	HORIZON Coordination and Support Actions	<b>Deadline date</b>	23 September 2021 17:00:00 Brussels time

### Grant Towards a Europe-wide training and networking scheme for research managers

Open for submission

<b>Programme</b>	Horizon Europe (HORIZON)	<b>Deadline model</b>	single-stage
<b>ID</b>	HORIZON-WIDERA-2021-ERA-01-20	<b>Opening date</b>	22 June 2021
<b>Types of action</b>	HORIZON Coordination and Support Actions	<b>Deadline date</b>	23 September 2021 17:00:00 Brussels time

### Grant Implementation of a new macro-economic modelling concept

Open for submission

<b>Programme</b>	Horizon Europe (HORIZON)	<b>Deadline model</b>	single-stage
<b>ID</b>	HORIZON-WIDERA-2021-ERA-01-30	<b>Opening date</b>	22 June 2021
<b>Types of action</b>	HORIZON Research and Innovation Actions	<b>Deadline date</b>	23 September 2021 17:00:00 Brussels time

### Grant Standardisation Booster for fostering exploitation of FP-funded research results

Open for submission

<b>Programme</b>	Horizon Europe (HORIZON)	<b>Deadline model</b>	single-stage
<b>ID</b>	HORIZON-WIDERA-2021-ERA-01-32	<b>Opening date</b>	22 June 2021
<b>Types of action</b>	HORIZON Coordination and Support Actions	<b>Deadline date</b>	23 September 2021 17:00:00 Brussels time



## Πώς να συμμετέχετε στον Ορίζοντα Ευρώπη

Ενεργοποιήστε το  
συνεργατικό σας δίκτυο



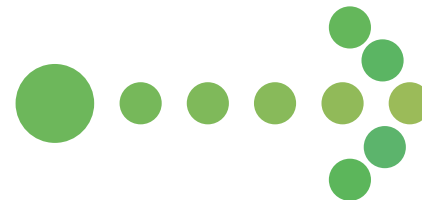
Επικοινωνήστε με το  
Εθνικό Σημείο Επαφής



Αξιοποιήστε ευρωπαϊκά  
εργαλεία δικτύωσης



Κοινοπραξίες  
– Ορίζοντα  
Ευρώπη





# Εργαλείο δικτύωσης από το ευρωπαϊκό δίκτυο των Εθνικών Σημείων Επαφής

Home Organisations Participants Marketplace Login Register

## GREENET Partner Search Tool

Info How it works FAQ Contact Events

### GREENET Partner Search Tool

An online database that manages Cluster 5 networking opportunities.

The GREENET Partner Search Tool brings together organisations (Coordinators as well as partners) from across the world. This is a unique opportunity to generate new contacts and collaborate on potential Horizon Europe projects. Meetings will take place in a dedicated area and will be arranged in advance by means of this website throughout the whole year (2023).

The second purpose of the Greenet platform is online events. Stay updated with our online events by checking out the "Events" tab.

#### Areas of intervention

- Climate science and solutions
- Energy supply
- Energy systems and grids

Register now  
Open until 31 December 2023

ORGANISED BY

Greenet

PARTICIPANTS

	Turkey	88
	France	33
	Tunisia	26
	United Kingdom	13

<https://greenet-partner-search-tool.b2match.io/>



# Εργαλείο δικτύωσης από το ευρωπαϊκό δίκτυο των Εθνικών Σημείων Επαφής (συνέχεια)

The screenshot displays a web application interface for a networking tool. At the top, a green navigation bar contains the following menu items: Home, Organisations, Participants, and Marketplace. The 'Marketplace' item is highlighted with a red box. Below the navigation bar, a search bar is visible. A sidebar on the left contains filter options, including a search box with 'UK' entered, and several toggle switches for 'ORGANIZATION TYPES', 'AREAS OF ACTIVITIES', 'COUNTRIES', and 'DESTINATION 1 - CLIMATE SCIENCES AND RESPONSES FOR THE TRANSFORMATION TOWARDS CLIMATE NEUTRALITY (2023 DEADLINES)'. The main content area shows a list of four participants, each with a profile picture, name, title, location, and organization name, followed by a right-pointing arrow. The 'Participants' menu item in the navigation bar is also highlighted with a red box.

Home Organisations Participants **Marketplace**

30 Home Organisations **Participants** Marketplace

4 Participants found

UK

ORGANIZATION TYPES

AREAS OF ACTIVITIES

COUNTRIES

DESTINATION 1 - CLIMATE SCIENCES AND RESPONSES FOR THE TRANSFORMATION TOWARDS CLIMATE NEUTRALITY (2023 DEADLINES)

**Nicolas Wallet**  
Climate Lead  
SWINDON, UNITED KINGDOM  
Innovate UK >

**Christian Morgner**  
Senior Lecturer  
SHEFFIELD, UNITED KINGDOM  
University of Sheffield >

**Rémy Villeneuve**  
R&D Project Manager  
LINAS MONTLHÉRY, FRANCE  
utac >

**Lucas Anton Losada**  
Innovation Engineer  
MADRID, SPAIN  
ABEI Energy >



## Παρουσίαση του Νέου Προγράμματος Εργασίας 2023-2024 από την Ευρωπαϊκή Επιτροπή



[https://research-and-innovation.ec.europa.eu/events/horizon-europe-info-days/cluster-5\\_en](https://research-and-innovation.ec.europa.eu/events/horizon-europe-info-days/cluster-5_en)



[https://rea.ec.europa.eu/funding-and-grants/horizon-europe-cluster-6-food-bioeconomy-natural-resources-agriculture-and-environment\\_en](https://rea.ec.europa.eu/funding-and-grants/horizon-europe-cluster-6-food-bioeconomy-natural-resources-agriculture-and-environment_en)



# Ελληνική διαδικτυακή πύλη για τον Ορίζοντα Ευρώπη

<http://horizoneurope.gr/>

Framework Programmes Consultation Platform

**HORIZON EUROPE**  
2021-2027

ΤΟ ΠΡΟΓΡΑΜΜΑ ΝΕΑ & ΕΚΔΗΛΩΣΕΙΣ ΥΠΟΣΤΗΡΙΞΗ ΔΗΜΟΣΙΕΥΣΕΙΣ ΕΠΙΚΟΙΝΩΝΙΑ

ΓΓΕΚ  
ΓΕΝΙΚΗ ΓΡΑΜΜΑΤΕΙΑ  
ΕΡΕΥΝΑΣ ΚΑΙ ΚΑΙΝΟΤΟΜΙΑΣ

ηράξη»  
δίκτυο διάχυσης τεχνολογίας

Νέα | 25-04-2023

## REPowerEU – Ευκαιρίες χρηματοδότησης για την Έρευνα και την Καινοτομία

Στις 23 Μαΐου 2023, η Ευρωπαϊκή Γενική Διεύθυνση Έρευνας και Καινοτομίας θα διοργανώσει μια εκδήλωση ενημέρωσης στις Βρυξέλλες, σχετικά με τις οικονομικές και επιχειρηματικές ευκαιρίες πέρα από το πρόγραμμα Ορίζοντας Ευρώπη, με στόχο την υποστήριξη για την υιοθέτηση νέων τεχνολογιών και συστημάτων από την αγορά.



Εγγραφείτε στο newsletter για τον Ορίζοντα Ευρώπη



## Τα νέα του Ορίζοντα Ευρώπη

Καλό μήνα,

Τον μήνα **Μάιο** θα διεξαχθούν ενημερωτικές ημερίδες και σε διάφορες σημαντικές θεματικές περιοχές του Ορίζοντα Ευρώπη. Το highlight αποτελεί η εκδήλωση για το επικαιροποιημένο Cluster 3 "Civil Security for Society", η εκδήλωση "Health" για τις προκηρύξεις του 2024, καθώς και η REpowerEU με απολήξεις από διάφορες θεματικές περιοχές.

### **Cluster 3 "Civil security for society": Επικαιροποίηση Προγράμματος Εργασίας 2023-2024 και Ενημερωτική Εκδήλωση**

Η Ευρωπαϊκή Επιτροπή επικαιροποίησε το Πρόγραμμα Εργασίας 2023-2024 για το Cluster 3 - Civil security for society. Το Πρόγραμμα Εργασίας έχει πλέον ενισχυμένο προϋπολογισμό κατά **50 εκατομμύρια ευρώ** και θα χρηματοδοτήσει επιπλέον **6** νέα ερευνητικά θέματα και **12** έργα σε σχέση με την προηγούμενη εκδοχή του. Στο πλαίσιο αυτό, πραγματοποιείται στις **27 και 28 Ιουνίου** διήμερη ενημερωτική εκδήλωση για τις προκηρύξεις του 2023 οι οποίες θα ανοίξουν στις **29 Ιουνίου** με καταληκτική ημερομηνία υποβολής στις **23 Νοεμβρίου 2023**.

Περισσότερες  
πληροφορίες



## Χρήσιμοι σύνδεσμοι

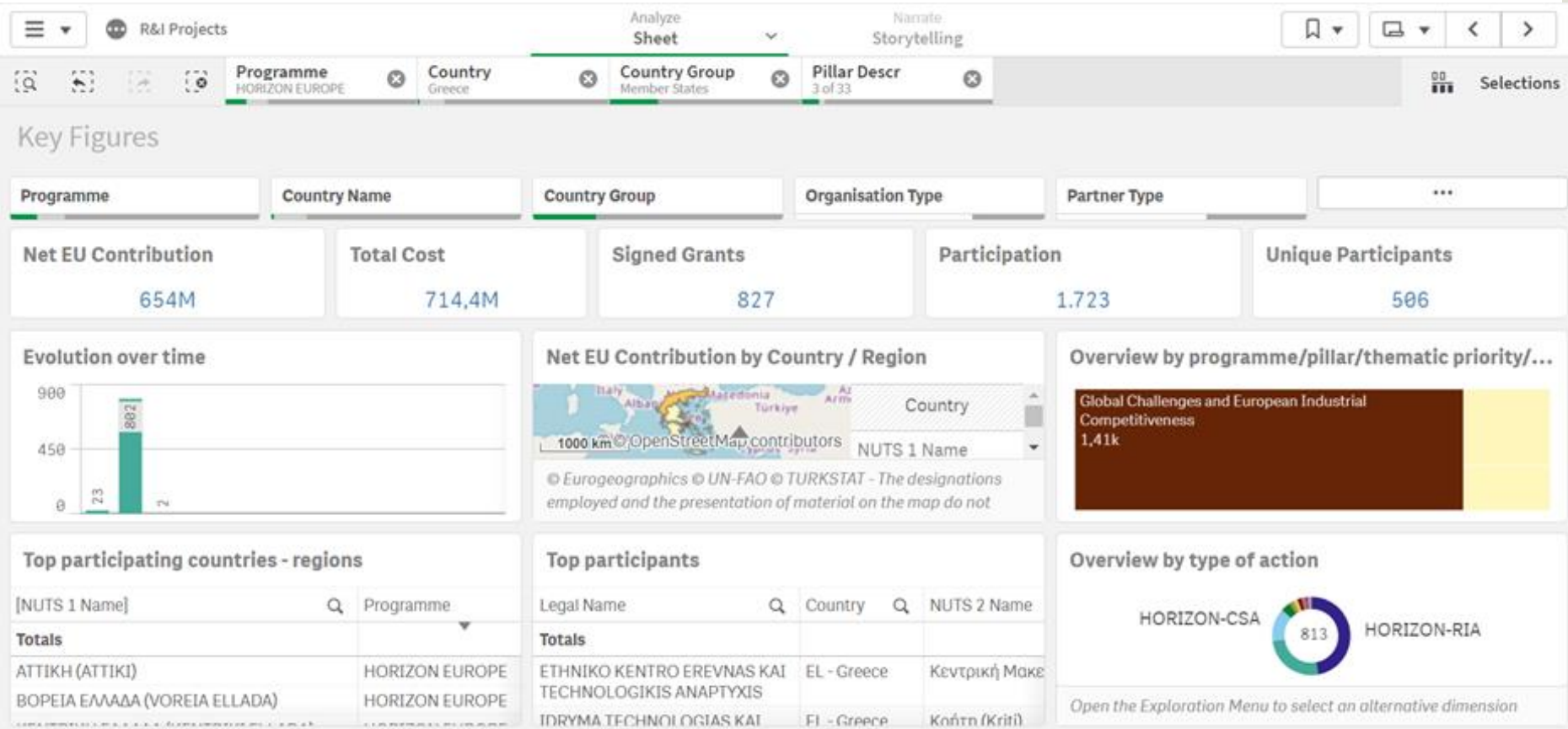
- › Horizon Europe: [https://ec.europa.eu/info/horizon-europe\\_en](https://ec.europa.eu/info/horizon-europe_en)
- › R&I Missions (incl. reports): [https://ec.europa.eu/info/horizon-europe/missions-horizon-europe\\_en](https://ec.europa.eu/info/horizon-europe/missions-horizon-europe_en)
- › Partnerships for R&I: [https://ec.europa.eu/info/horizon-europe/european-partnerships-horizon-europe\\_en](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](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](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/>



## **Η Ελλάδα σε αριθμούς**

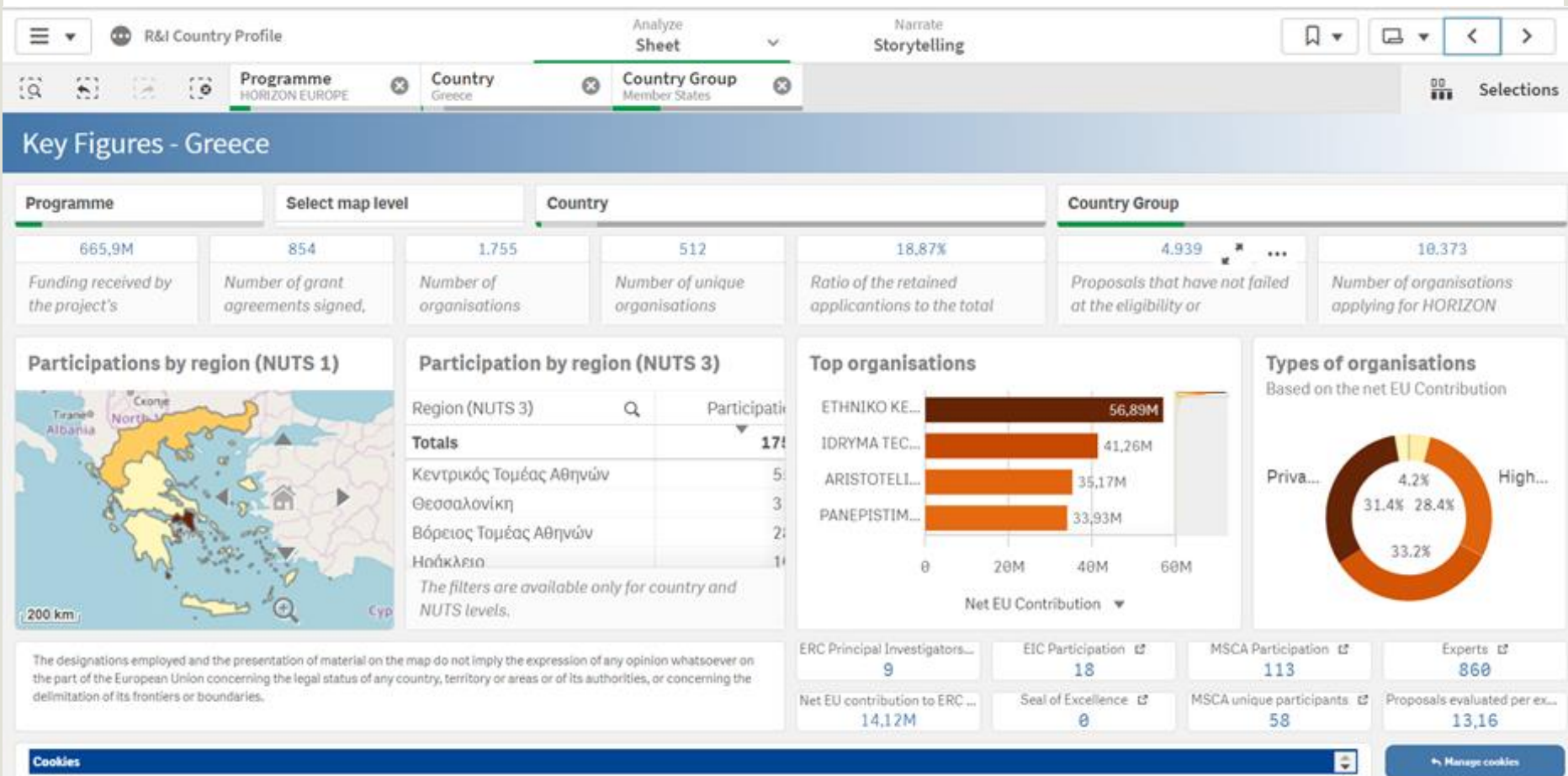


# Dashboard: Horizon Europe (R&I projects)





# Horizon Europe: R&I Country Profile





**Τι μπορεί να κάνει το Δίκτυο ΠΡΑΞΗ για  
εσάς;**



**Το Δίκτυο ΠΡΑΞΗ, με 30 χρόνια εμπειρίας & παρουσία σε 5 πόλεις της Ελλάδας, αποτελεί εθνική υποδομή για την υποστήριξη της καινοτομίας και της μεταφοράς τεχνολογίας σε εθνικό και ευρωπαϊκό επίπεδο.**



## Το Δίκτυο ΠΡΑΞΗ ως Εθνικό Σημείο Επαφής

Πληροφόρηση

Συμβουλευτική  
υποστήριξη

Δικτύωση



**πράξη** »

δίκτυο διάχυσης τεχνολογίας



Εκδόσεις, ενημερωτικά φυλλάδια και οδηγοί σε ηλεκτρονική μορφή

## Ορίζοντας Ευρώπη



## Widening Participation and Spreading Excellence



## European Innovation Council



Ευχαριστώ  
για την προσοχή σας

**Βασιλική Καλοδήμου, Εθνικό  
Σημείο Επαφής Ορίζοντα  
Ευρώπη**

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