



#HorizonEU

HORIZON EUROPE

The European Research & Innovation Policy and Funding

Horizon Europe 2023-24

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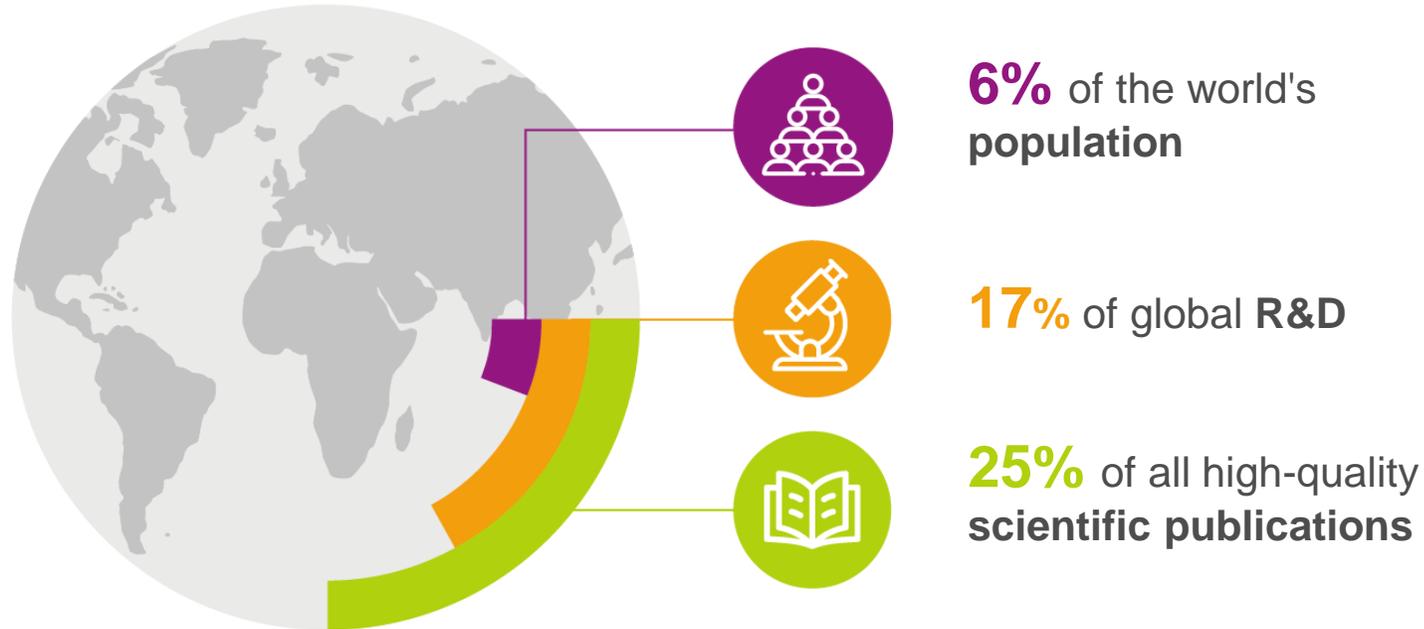
19 January 2023

HORIZON EUROPE

Investing to shape our future

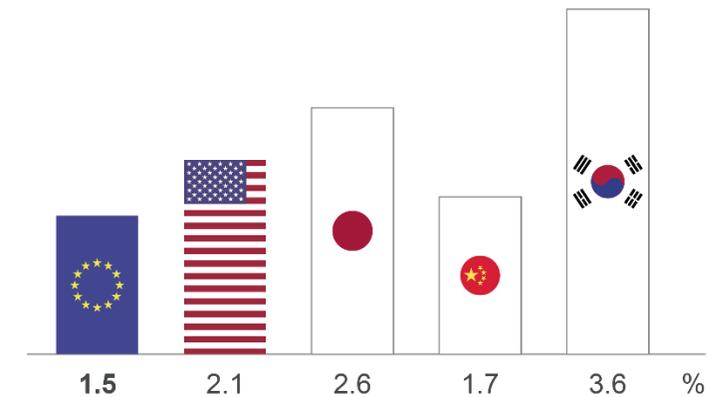


While benefiting from world-class research and strong industries... Our knowledge and skills are our main resources



...Europe can do better at transforming this into **leadership in innovation** and **entrepreneurship**

1.5% EU business R&D investment



*EU figure is for 2019
Figures for USA, Japan, China and South Korea are for 2018. Figures represent R&D as % of GDP*

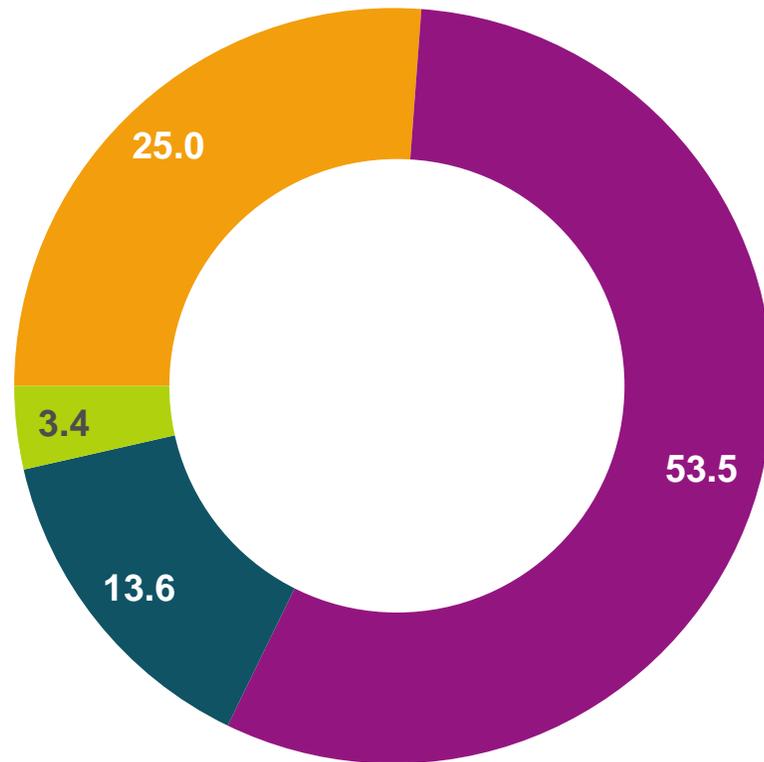
HORIZON EUROPE



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

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

35 % of the expenditure to contribute to climate objectives

Lessons Learned

from Horizon 2020 Interim Evaluation



Support breakthrough innovation



European Innovation Council



Create more impact through mission-orientation and citizens' involvement



EU Missions



Rationalise partnerships' landscape



New approach to partnerships



Reinforce openness



Open science policy



Strengthen international cooperation



Extended association possibilities



Encourage participation



Spreading Excellence

Strategic planning process

EU Missions

- **Adaptation to Climate Change:** support at least 150 European regions and communities to become climate resilient by 2030
- **Cancer:** working with Europe's Beating Cancer Plan to improve the lives of more than 3 million people by 2030 through prevention, cure and solutions to live longer and better
- **Restore our Ocean and Waters by 2030**
- **100 Climate-Neutral and Smart Cities by 2030**
- **A Soil Deal for Europe:** 100 living labs and lighthouses to lead the transition towards healthy soils by 2030

Budget: EUR 584.43 million in 2023. The WP 23-24 will be amended in Q1 2024.

Overview of 49 candidate European Partnerships

PILLAR II - Global challenges & European industrial competitiveness

PILLAR III - Innovative Europe

CLUSTER 1: Health	CLUSTER 4: Digital, Industry & Space	CLUSTER 5: Climate, Energy & Mobility	CLUSTER 6: Food, Bioeconomy, Agriculture, ...	EIT	SUPPORT TO INNOVATION ECOSYSTEMS
Innovative Health Initiative	Key Digital Technologies	Clean Hydrogen	Circular Bio-based Europe	InnoEnergy	Innovative SMEs
Global Health Partnership	Smart Networks & Services	Clean Aviation	Rescuing Biodiversity to Safeguard Life on Earth	Climate	
Transformation of health systems	High Performance Computing	Single European Sky ATM Research 3	Climate Neutral, Sustainable & Productive Blue Economy	Digital	
Chemicals risk assessment	European Metrology (Art. 185)	Europe's Rail	Water4All	Food	
ERA for Health	AI-Data-Robotics	Connected and Automated Mobility (CCAM)	Animal Health & Welfare*	Health	
Rare diseases*	Photonics	Batteries	Accelerating Farming Systems Transitions*	Raw Materials	
One-Health Anti Microbial Resistance*	Made in Europe	Zero-emission waterborne transport	Agriculture of Data*	Manufacturing	
Personalised Medicine*	Clean steel – low-carbon steelmaking	Zero-emission road transport	Safe & Sustainable Food System*	Urban Mobility	
Pandemic Preparedness* <i>Co-funded or co-programmed</i>	Processes4Planet	Built4People		Cultural and Creative Industries	
	Global competitive space systems**	Clean Energy Transition			
		Driving Urban Transitions			

CROSS-PILLARS II AND III

European Open Science Cloud

- Institutionalised Partnerships (Art 185/7)
- Institutionalised partnerships / EIT KICs
- Co-Programmed
- Co-Funded

* Calls with opening dates in 2023-24
 ** Calls with opening dates not before 2022



R&D investments: Greek Recovery and Resilience Plan and Cohesion programmes

- The **Greek Recovery and Resilience Plan** has the key objectives to increase public and private investment in research and development (R&D), reinforce the links between science and businesses, and develop a pioneering R&D infrastructure, with a view to improving Greece's research and innovation performance.
- Estimated amount of RRF funds allocated to R&I: EUR 1,21 bn (i.e. about 4% of the RRP) included in the relevant components: 3.2, 4.5, 4.7.
- Greece has allocated more than EUR 1 billion [1078 million] for Research and Innovation in its **Cohesion Programmes**. This amounts to approx. 13 % of the relevant programmes.
- R&I funding is mainly delivered under the ERDF through the national Competitiveness & Innovation programme with EUR 676 million, while the national Just Transition Fund (JTF) programme has 139 million for R&I. There is also some ERDF R&I funding in the regional programmes with nearly EUR 20 million [19.9] in the **Crete programme** (5.7 %).

Synergies

- Strengthening synergies between R&I-related programmes and policies is a top horizontal priority of EU research and innovation policy-making. The ultimate aim is to mobilise under-exploited R&I potential across the EU, to improve access to excellence, to boost the overall impact of R&I spending and thereby to contribute to the transformative EU agenda.
- Besides from Horizon Europe, key support for R&I investments comes from R&I-oriented cohesion policy programmes and the Recovery and Resilience plans. Other relevant programmes are listed in Annex IV of Horizon Europe regulation. Among these other Union programmes, the new Cohesion Policy programmes are key EU funding programmes supporting R&I investment.
- Synergies (Horizon Europe, Missions, European Partnerships, Seal of Excellence) and ERA are mainly addressed in the **Greek Partnership Agreement**.
- Greece has also exploited the opportunity of creating synergies between Horizon Europe and its RRP, where it includes an investment of EUR 10 million for the participation in **two European partnerships** - Euro-HPC (High Performance Computing) and Key Digital Technologies. In addition, Greece will use RRF funds for Greek companies awarded a **Seal of Excellence** Accelerator for EUR 18 million.

Work Programme 2023-2024 in a nutshell

- Total budget ca. **€13.5 billion** for research and innovation (R&I)
- Support to the **green and digital transitions**:
 - climate objectives and biodiversity
 - digital transition in a wide range of sectors and core digital technologies
- Investment in EU's **safety, security and resilience**:
 - recovery from the COVID-19 pandemic
 - clean energy transition and reducing energy dependency
 - pandemic preparedness
 - fighting physical and cyber threats
- Targeted support for **Ukraine**

International Cooperation in the Work Programme 2023-2024

- Open to the World: any consortium can include international partner(s) for almost all topics
- 22% of topics specifically encourage International Cooperation
- Africa initiative/ Mediterranean initiative/ China flagships
- Balance openness with safeguarding European strategic autonomy and assets (Article 22.5 of HE Regulation): 31 topics restrict participation

Which are my opportunities: Funding & tenders (europa.eu)

The screenshot shows the Europa.eu website interface for funding and tenders. The main header includes the European Commission logo and the text 'Funding & tender opportunities Single Electronic Data Interchange Area (SEDIA)'. Navigation tabs include 'SEARCH FUNDING & TENDERS', 'HOW TO PARTICIPATE', 'PROJECTS & RESULTS', 'WORK AS AN EXPERT', and 'SUPPORT'. A search bar contains the text 'access'. On the left, there are filters for 'Match whole words only', 'GRANTS', and 'TENDERS'. Below these are sections for 'Submission status' (Forthcoming: 19, Open for submission: 13, Closed: 315), 'Programming period', 'Filter by Programme / Programme group', 'Filter by call', and 'Type of grants calls'. The main content area displays 'Funding and tenders (347)' with a 'Need help?' button and a 'Sort by: Submission status' dropdown. Three funding opportunities are listed:

- European Excellence Initiative** (HORIZON-WIDERA-2023-ACCESS-03-01): Horizon Europe (HORIZON), HORIZON Coordination and Support Actions, Open for submission, single-stage, deadline 12 April 2023 17:00:00 Brussels time.
- Hop on Facility** (HORIZON-WIDERA-2023-ACCESS-06-01): Horizon Europe (HORIZON), HORIZON Research and Innovation Actions, Open for submission, multiple cut-off, next deadline 28 September 2023 17:00:00 Brussels time.
- Teaming for Excellence** (HORIZON-WIDERA-2023-ACCESS-01-01-two-stage): Horizon Europe (HORIZON), HORIZON Coordination and Support Actions, Open for submission, two-stage, first stage deadline 12 April 2023 17:00:00 Brussels time, second stage deadline 07 March 2024 17:00:00 Brussels time.

Watch all info days for the Work Programme 2023/24 online:

<https://research-innovation-community.ec.europa.eu/events>

A grid of event cards for Horizon Europe info days and COP27. Each card features an illustration, a QR code, and event details:

- Horizon Europe info days - Cluster 5** (CLIMATE, ENERGY & MOBILITY): 15 December 2022, 09:00 (GMT+01:00). Topics: Climate, Energy, Mobility.
- Horizon Europe info days - Cluster 6** (FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE & ENVIRONMENT): 13 December 2022, 09:00 (GMT+01:00). Topics: Agriculture, Bioeconomy, Ecosystems and Biodiversity.
- Horizon Europe info day - WIDERA Work Programme 2023-2024**: 12 December 2022, 09:30 (GMT+01:00). Topics: Research, Innovation.
- Horizon Europe info days - Cluster 4** (DIGITAL, INDUSTRY & SPACE): 7-8 November 2022.
- Horizon Europe info day - Research Infrastructures**: 7-8 November 2022.
- Research and Innovation at COP27** (European Union side events): 7-18 November 2022, Sharm El-Sheikh, EG.





SEARCH FUNDING & TENDERS ▾

HOW TO PARTICIPATE ▾

PROJECTS & RESULTS

WORK AS AN EXPERT

SUPPORT ▾

Lump Sum Funding in Horizon Europe: How does it work? How to write a proposal?

📅 9 Feb 2023 ⌚ 10:00

Lump Sum Funding in Horizon Europe: How does it work? How to write a proposal?

Online Information Day: Partnerships for Innovation – Forward-Looking Projects 2023

📅 2 Feb 2023 ⌚ 14:00

This online information session covers all the information that you need to know about the policy context, priorities and award criteria of the Forward-Looking Projects 2023 funding opportunities of the Erasmus+ programme (Key Action 2).

Horizon Europe Coordinators' Day on Grant Agreement Preparation

📅 2 Feb 2023 ⌚ 09:30

This webinar is specifically designed for Horizon Europe proposal coordinators who have received a letter inviting them to start Grant Agreement Preparation. Proposal participants and other stakeholders are also welcome to participate. The webinar will be hybrid: you can participate both remotely (no need to register), or attending live in Brussels (registration is mandatory for accessing the venue).

Online information session: Centres of Vocational Excellence 2023

📅 27 Jan 2023 ⌚ 10:00

This online information session on 27 January 2023 will explain the latest policy context and application procedure for the Centres of Vocational Excellence 2023 call for proposals under Erasmus+ Key Action 2.

EC Horizon Results Platform & Partners: A Value Proposition

📅 24 Jan 2023 ⌚ 10:00

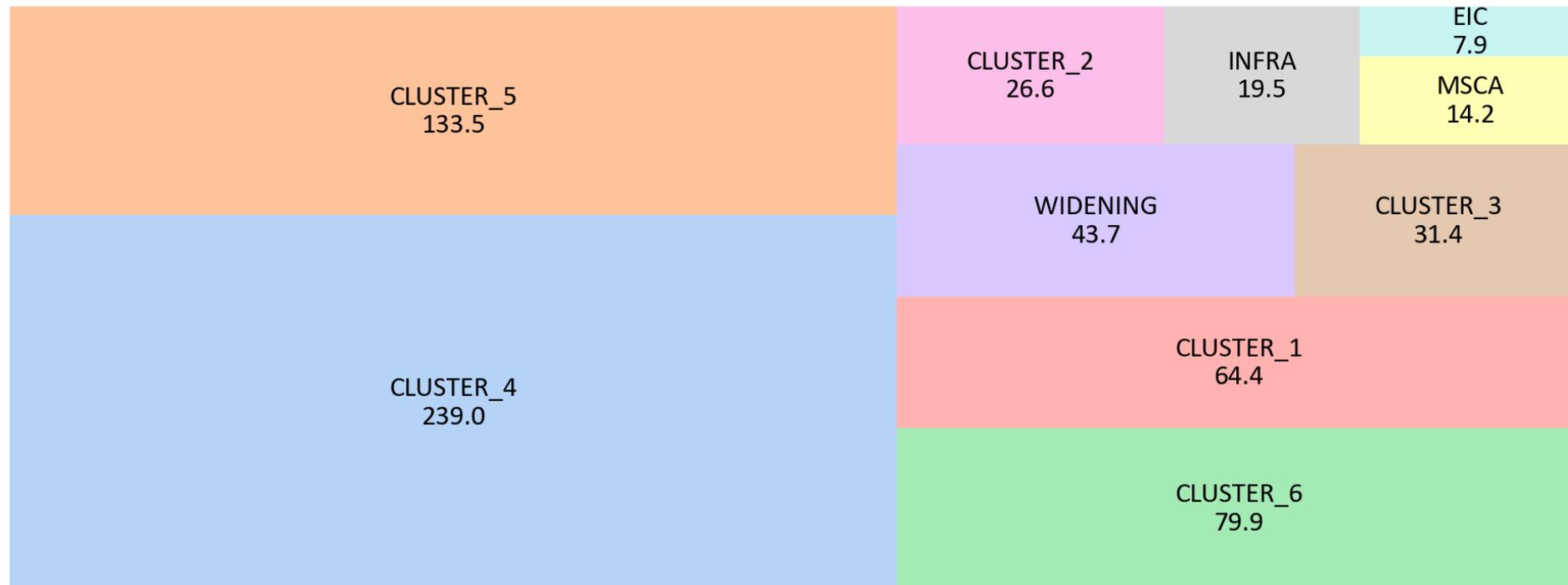
Join us to learn what Horizon Results Platform RP and its partners (EEN, business angel networks EBAN and BAE, Solar Impulse Foundation, the EU IP Helpdesk and other experts) can do to accelerate taking your innovative results to the next level! Discover how HRP promotes you and your results, whether you are targeting the investor community, commercial uptake, research partners or policy makers. Here is the Webex link: <https://ecconf.webex.com/ecconf/j.php?MTID=m18f5ef23b2e7e4c11914b6855211d5c9>. If you have not yet created your result profile on the HRP, it's very easy! Check here how to do it: <https://webgate.ec.europa.eu/funding-tenders-opportunities/display/IT/Managing+Project+Results+in+the+Horizon+Results+Platform>. For more information on the event, or any issues connecting, contact us at EC-HORIZON-RESULTS-PLATFORM@ec.europa.eu.

Upcoming Webinars

Performance of Greece in HE priority areas

The top priority areas in the HE budget going to Greece are **Digital, Industry and Space** (EUR 239.0 million) and **Climate, Energy and Mobility** (EUR 133.5 million);

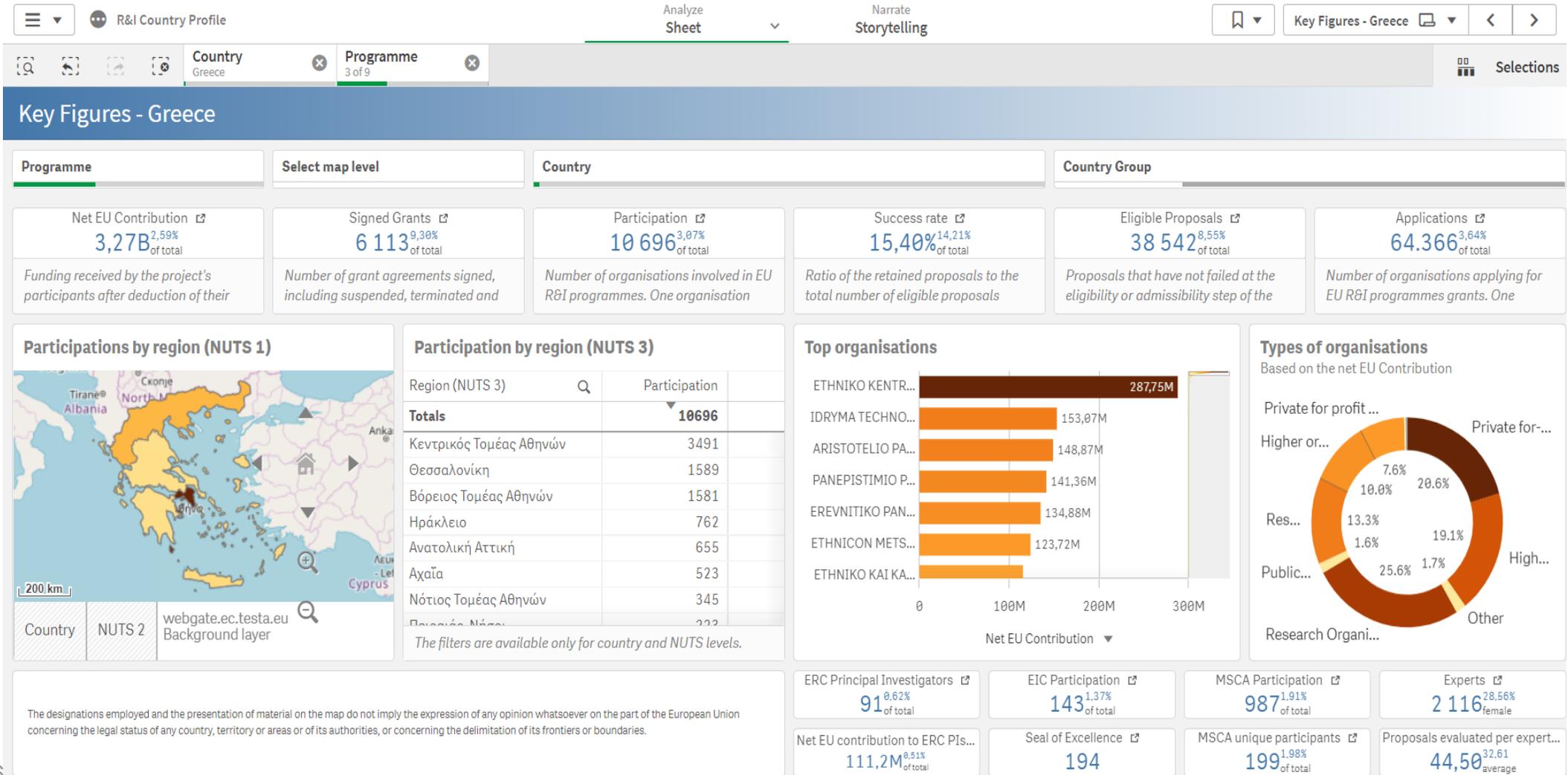
Horizon Europe EU Contribution to Top 10 Priority Areas (mil EUR)



- Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy Natural Resources, Agriculture and Environment
- Health
- Widening participation and spreading excellence
- Civil Security for Society
- Culture, creativity and inclusive society
- Research infrastructures
- Marie Skłodowska-Curie Actions (MSCA)
- The European Innovation Council (EIC)

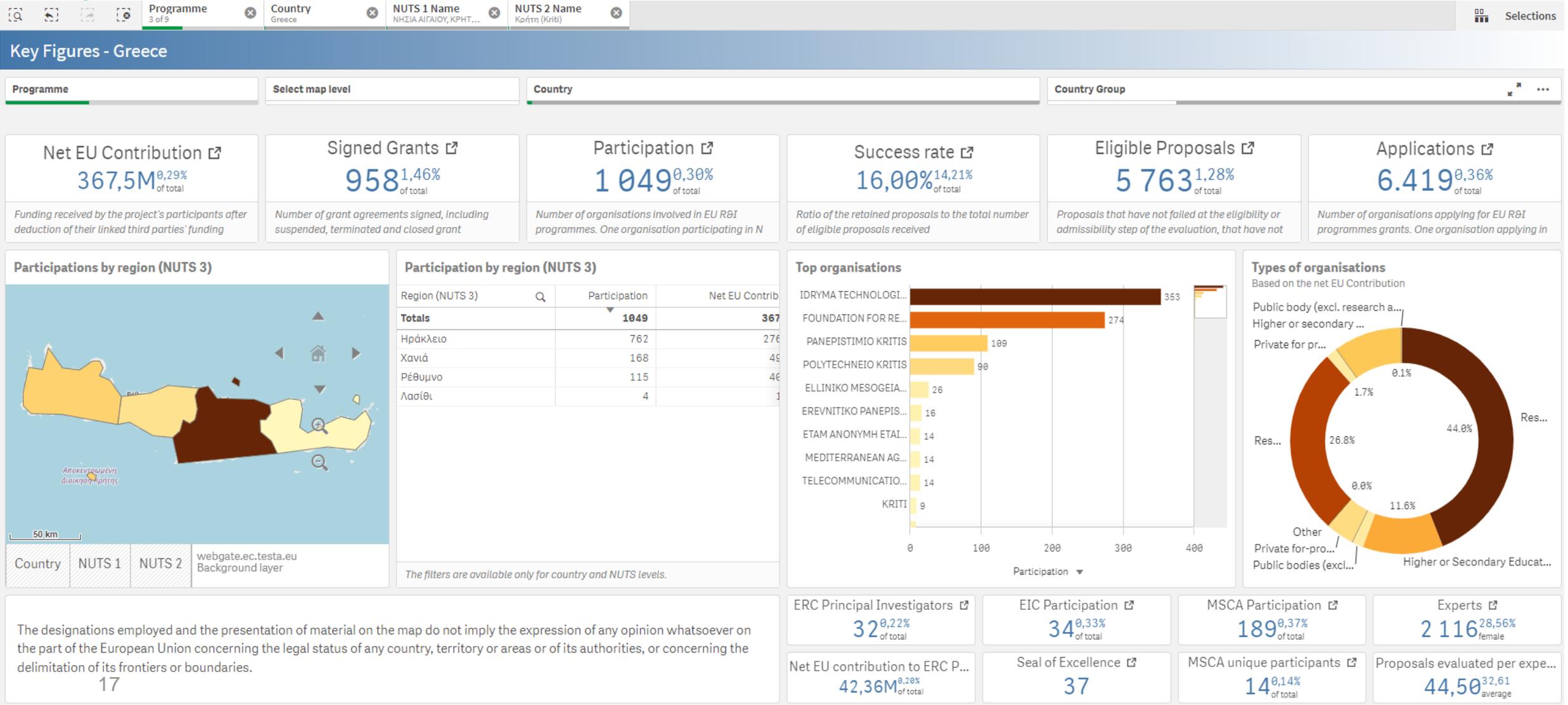
Country profile Greece – FP7, H2020, HE

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



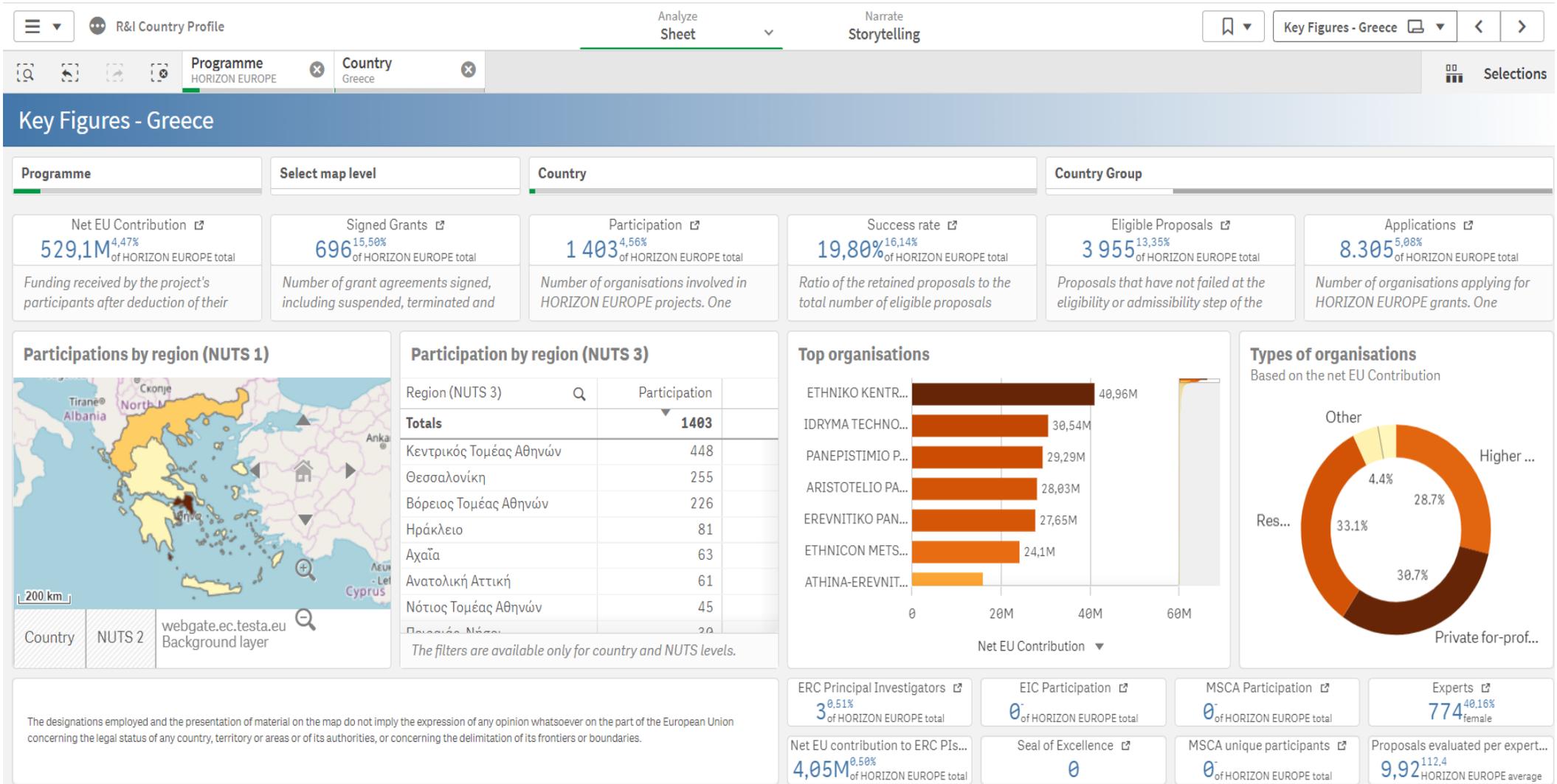
Profile of participation - Crete

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

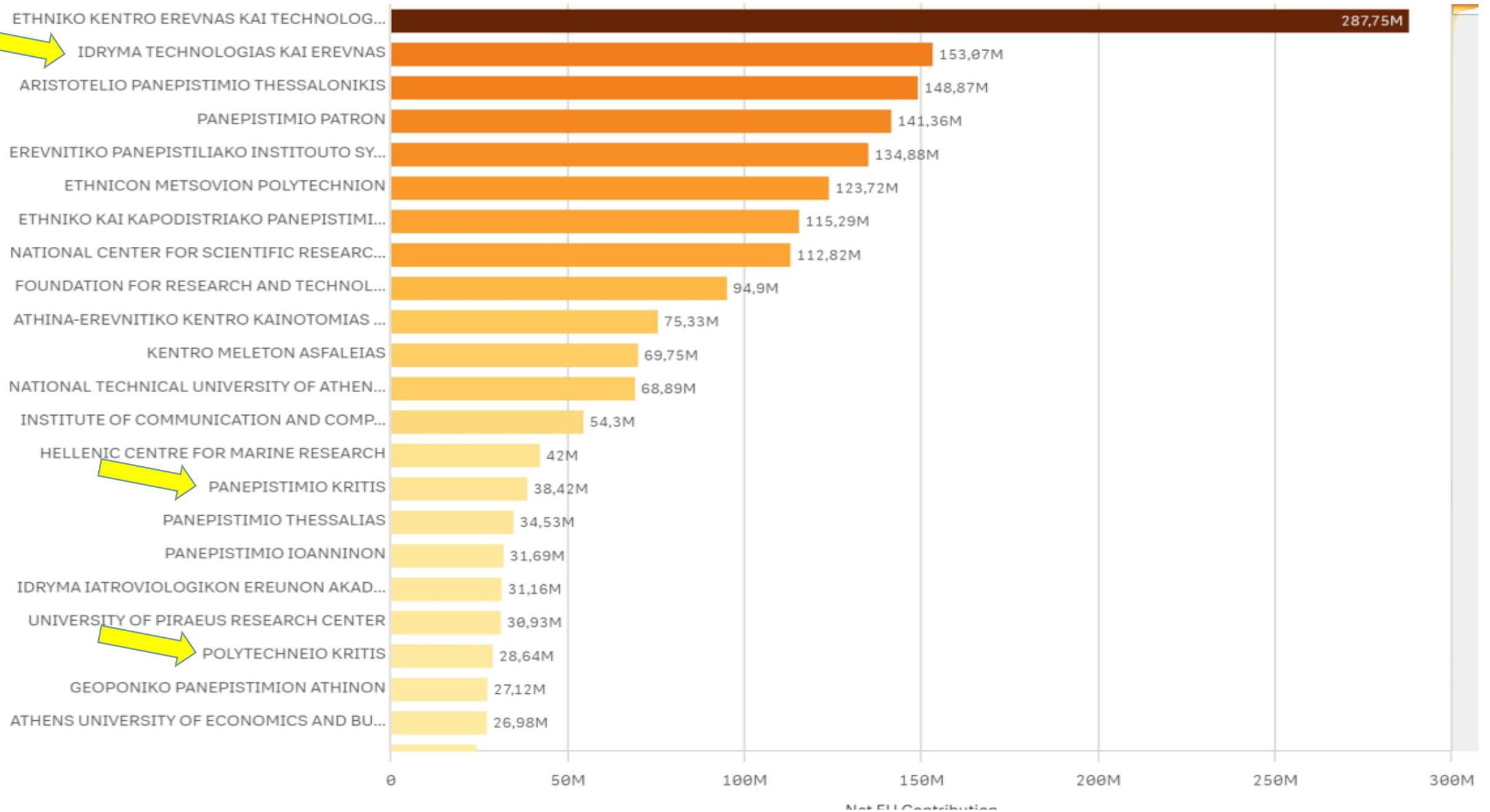


Country profile Greece – HE

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



Top organisations



Public consultation on the “past, present & future of the European R&I programmes 2014-2027”

- Open until **23 February 2023**
- Opportunity to share views on the performance of Horizon 2020 and Horizon Europe, as well as shaping the strategic orientations for the Horizon Europe Strategic Plan 2025-2027
- Access
https://research-and-innovation.ec.europa.eu/news/all-research-and-innovation-news/now-open-largest-public-consultation-ever-held-past-present-and-future-european-research-and-2022-12-01_en

A new vision for the European Research Area (ERA)

What is the new ERA?

A single, borderless market for research, innovation and technology across the EU...

...where countries come together and improve their research policies and systems...

...and where there is free movement of researchers, knowledge and innovation.

What are the objectives of the new ERA?



Prioritise investments in research and innovation



Boost market uptake



Widening: Improve access to excellence



Strengthen the mobility of researchers and free flow of knowledge and technology

European Research Area 2020 - 2022

2020

Commission Communication “A new ERA for Research and Innovation”, September

26 November 2021

Council Recommendation on a “Pact for Research and Innovation in Europe”

- 1) Principles for R&I in Europe
- 2) Priority areas for ERA joint actions
- 3) Investments and reforms
- 4) Simplified policy coordination

2022

Establishment of the **new ERA Forum (Member States and European Commission Representatives)** to implement the actions of the **ERA Policy Agenda**

ERA Policy Agenda: 20 actions along four priority areas

DEEPENING A TRULY FUNCTIONING INTERNAL MARKET FOR KNOWLEDGE

1. Open sharing of knowledge, incl. EOSC
2. Data legislation fit for research
3. Reform of research assessment
4. Strengthen research careers
5. Gender equality and inclusiveness
6. Protect academic freedom
7. Better knowledge valorisation
8. Research infrastructures
9. International cooperation, reciprocity

TOGETHER FOR TWIN GREEN AND DIGITAL TRANSITION, AND INCREASING SOCIETY'S PARTICIPATION IN THE ERA

10. R&I Missions and Partnerships for ERA
11. Green energy transformation
12. Transition of industrial ecosystems
13. Empower higher education institutions
14. Bring science closer to society



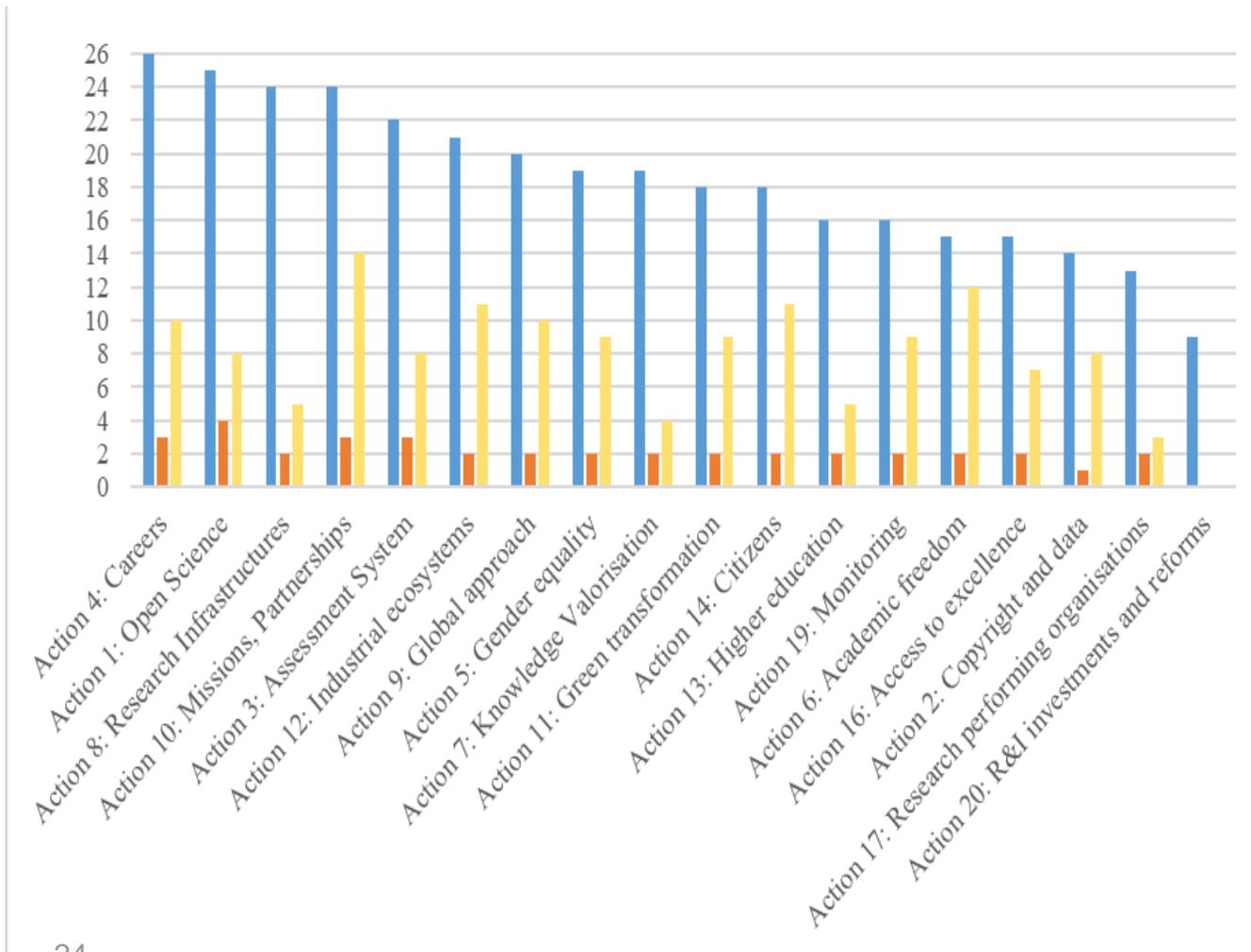
AMPLIFYING ACCESS TO RESEARCH AND INNOVATION EXCELLENCE ACROSS THE UNION

15. Regional and national R&I ecosystems
16. EU-wide access to excellence
17. Strategic capacity of public RPOs

ADVANCING CONCERTED R&I INVESTMENTS AND REFORMS

18. Coordination national support for ERA
19. ERA monitoring mechanism
20. Prioritisation and coordination of R&I investments and reforms

Member States' commitment per action



- At least 14 MS have committed to 16 actions.
- Actions 17 and 20 have not yet reached the threshold.



A NEW EUROPEAN **INNOVATION AGENDA**

*Research and
Innovation*



New European Innovation Agenda: Leading the new wave of deep tech innovation

Innovation and particularly deep tech innovation
is an answer to:



Improve Europe's competitiveness



Contribute to the green and digital
transition

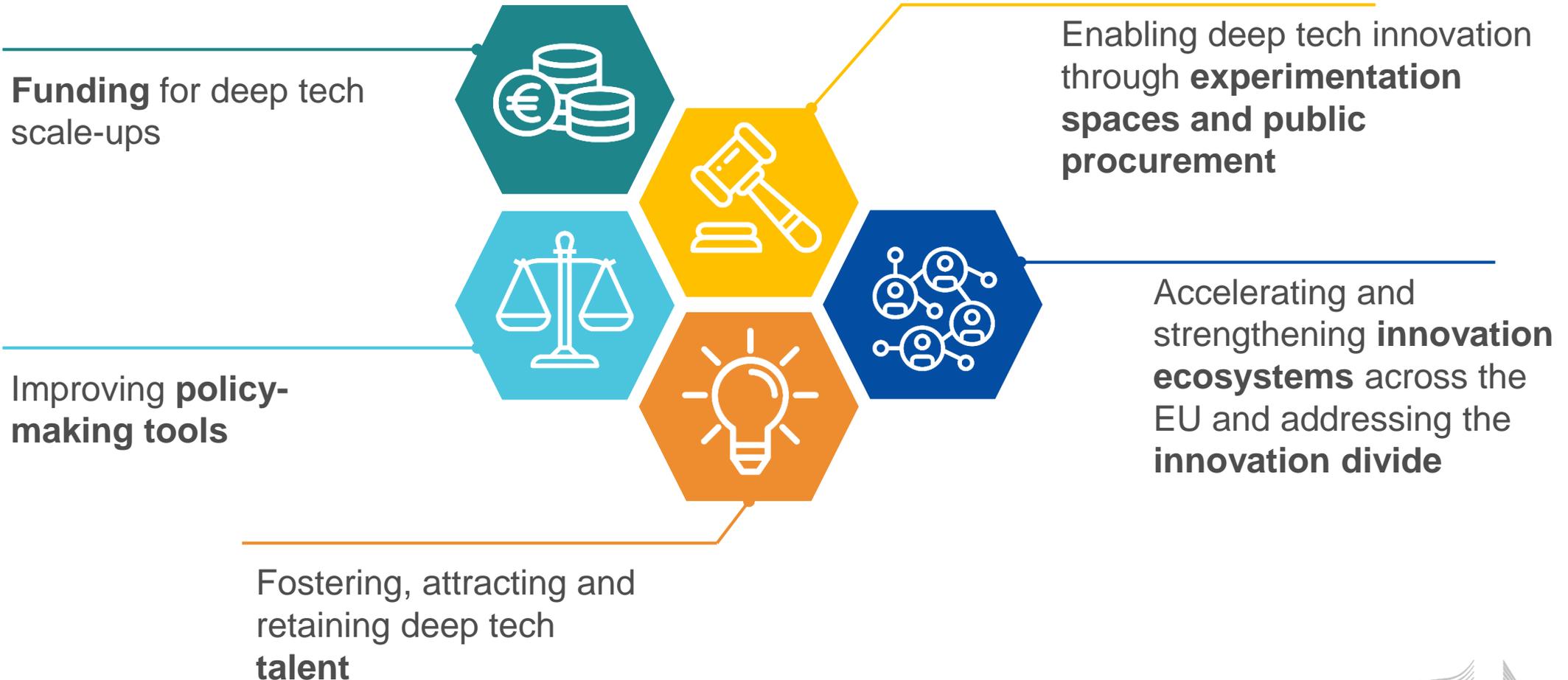


Narrow the innovation divide



Reinforce Europe's open strategic
autonomy

The five flagship areas of the NEIA



Coalition of the Willing

- **The Coalition of the Willing** was officially created on 6 July 2022
- The objective of the group is to **work together** with the Commission and to **provide feedback** on the actions under the new European Innovation Agenda
- Commission groups together with **innovative companies, innovative local authorities and innovative universities**
- **21 initiatives** under flagship 3 & **19 initiatives** under flagship 4

Coalition of the Willing

Trainings for digital technologies and entrepreneurship at Nicosia Municipality		Geographical distribution								
<p>Nicosia Municipality, Cyprus</p> <p>Description Establish trainings for digital technologies (including AI) and entrepreneurship through relevant actions at Nicosia Municipality with contribution from the Centre of Excellence in Research and Innovation established by the Municipality through a teaming grant. Given that all 3 public Universities of the country are engaged in the Centre, this will have a dual impact of empowering the Municipality as an important actor in the twin transition.</p> <p>Deliverables and milestones Workshops and trainings that also cater to women leadership and entrepreneurship.</p>		 <p>Flagships</p>  <p>Budget/Financing</p> <p>100.000 €</p> <table border="0"> <tr> <td>Public</td> <td>Private</td> <td>Grant</td> <td>Other</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table>	Public	Private	Grant	Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Public	Private	Grant	Other							
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Start-up Villages created by an Alliance of Alliances and coordinated by the European Bioeconomy University		Geographical distribution								
<p>Universidad de Almería</p> <p>Description The initiative is currently starting to be developed by an Alliance of Alliances coordinated by EBU (The European Bioeconomy University), and we think some synergies could be created between the initiative and NEIA and the Coalition of the Willing and this Alliance of Alliances.</p> <p>Deliverables and milestones</p> <ul style="list-style-type: none"> • Catalog of good practices • Catalog of recommendations for both the EC and the Coalition of the Willing 		 <p>Flagships</p>  <p>Budget/Financing</p> <p>To be further defined</p> <table border="0"> <tr> <td>Public</td> <td>Private</td> <td>Grant</td> <td>Other</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	Public	Private	Grant	Other	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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➤ **We invite you to join the Coalition of the Willing and work together with us in the implementation of the new European Innovation Agenda**



Thank you!
HorizonEU

A new ERA for Research and Innovation

Coalition of the Willing

New European Innovation Agenda

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

Funding & tender opportunities

Public consultation European R&I programmes 2014-2027



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