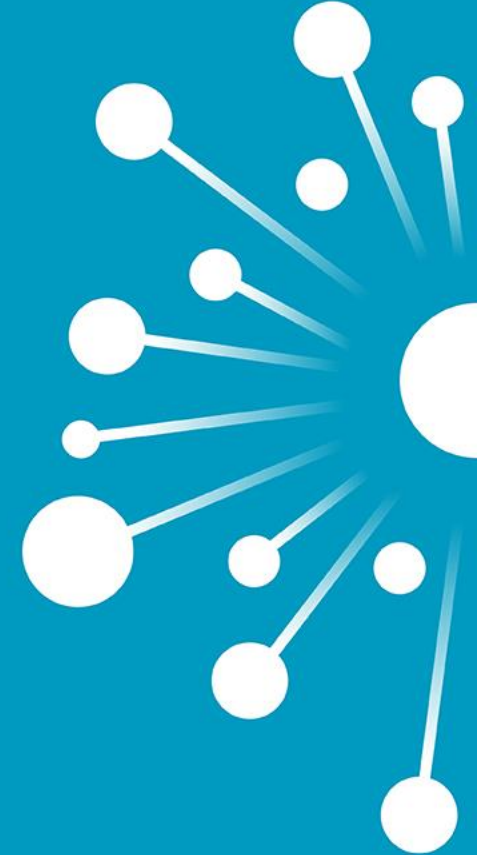
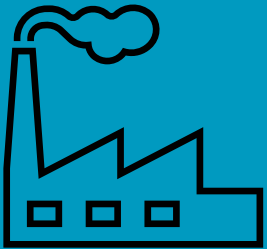


INFORMATIVNI DAN

Novosti programa Obzorje Evropa

Delovni program 2025

GROZD 4 – INDUSTRIJA



Doroteja Zlobec

doroteja.zlobec@gov.si

Ministrstvo za visoko šolstvo, znanost in inovacije



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2. Steber – tematski grozdi
SODELOVALNI PROJEKTI
 interdisciplinarno, medsektorsko, čezmejno in
 mednarodno sodelovanje
 najrazličnejše ravni tehnološke pripravljenosti (TRL)



Obzorje Evropa: Strateško načrtovanje

Strateški načrt za naložbe v raziskave in inovacije v okviru programa Obzorje Evropa za leta 2025-2027

Strategic plan: https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/strategic-plan_en

Ključni elementi:

- **3 ključne strateške usmeritve** za raziskovalne in inovacijske dejavnosti v okviru Obzorja Evropa v letih 2025-2027
- **32 pričakovanih vplivov** (*expected impacts*), razdeljenih po grozdih
- 9 novih so-programiranih in so-financiranih evropskih **partnerstev**
- Misije EU in pregled njihovih dosežkov v prvih letih
- New European Bauhaus Facility

3 strateške usmeritve:

- Zeleni prehod
- Digitalni prehod
- Bolj odporna, konkurenčna, vključujoča in demokratična Evropa

Odprta **strateška** avtonomija in zagotavljanje **vodilne vloge** Evrope pri razvoju in uvajanju ključnih tehnologij sta splošni načeli, ki veljata za vse 3 ključne strateške usmeritve.

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Table 7 Overview of R&I expected impacts, intervention areas, and Horizon Europe partnerships

EXPECTED IMPACT	INTERVENTION AREAS COVERED	EUROPEAN PARTNERSHIPS*
15. . Achieving global leadership in climate-neutral, circular and digitised industrial and digital value chains	4.2.1. Manufacturing technologies 4.2.4. Advanced Materials 4.2.8. Circular Industries 4.2.9. Net-zero and less polluting Industries	Made in Europe Process for Planet Clean Steel Textiles of the Future
16. Achieving technological leadership for Europe's open strategic autonomy in raw materials, chemicals and innovative materials	4.2.5. Artificial intelligence and robotics 4.2.7. Advanced computing and big data 4.2.1. Manufacturing technologies 4.2.8. Circular Industries 4.2.9. Net-zero and less polluting Industries	Raw Materials for the Green and Digital Transition Innovative Materials for EU
17. Developing an agile and secure single market and infrastructure for data services and trustworthy artificial intelligence services	4.2.2. Key digital technologies 4.2.3. Emerging enabling technologies 4.2.5. Artificial intelligence and robotics 4.2.6. Next generation internet 4.2.7. Advanced computing and big data	Photonics Partnership Artificial Intelligence, Data and Robotics Made in Europe Agriculture of Data
18. Achieving open strategic autonomy in digital and emerging enabling technologies	4.2.2. Key digital technologies 4.2.3. Emerging enabling technologies 4.2.5. Artificial intelligence and robotics 4.2.6. Next generation internet 4.2.7. Advanced computing and data	Artificial Intelligence, Data and Robotics Photonics Partnership Virtual Worlds
19. Achieving open strategic autonomy in global space-based infrastructures, services, applications and data	4.2.10. Space, including Earth observation and IRIS2	Globally Competitive Space Systems
20. Digital and industrial technologies driving human-centric innovation	4.2.6. Next generation internet 4.2.5. Artificial intelligence and robotics 4.2.1. Manufacturing technologies	Artificial Intelligence, Data and Robotics Made in Europe Photonics Partnership Virtual Worlds



PILLAR II - Global challenges & European industrial competitiveness

PILLAR III - Innovative Europe

CLUSTER 1: Health	CLUSTER 2: Culture, Creativity, and Inclusive Societies	CLUSTER 4: Digital, Industry & Space	CLUSTER 5: Climate, Energy & Mobility	CLUSTER 6: Food, Bioeconomy, Agriculture, Environment	EIT	EUROPEAN INNOVATION ECOSYSTEMS
Innovative Health Initiative	Resilient Cultural Heritage	Key Digital Technologies	Clean Hydrogen	Circular Bio-based Europe	InnoEnergy	Innovative SMEs
Global Health Partnership	Social Transformations and Resilience	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	Forests and Forestry for a sustainable Future	Cultural and Creative Industries	
Brain Health		Global competitive space systems**	Clean Energy Transition			
		Innovative Materials for EU (I AM for EU)	Driving Urban Transitions			
		Open Human-centric Interoperable Virtual Worlds	Solar Photovoltaics			
		Textiles of the Future				
		Raw Materials for the Green and Digital Transition				

CROSS-PILLARS II AND III

European Open Science Cloud

■ Institutionalised Partnerships (Art 185/7)

■ Institutionalised partnerships / EIT KICs

■ Co-Programmed

■ Co-Funded

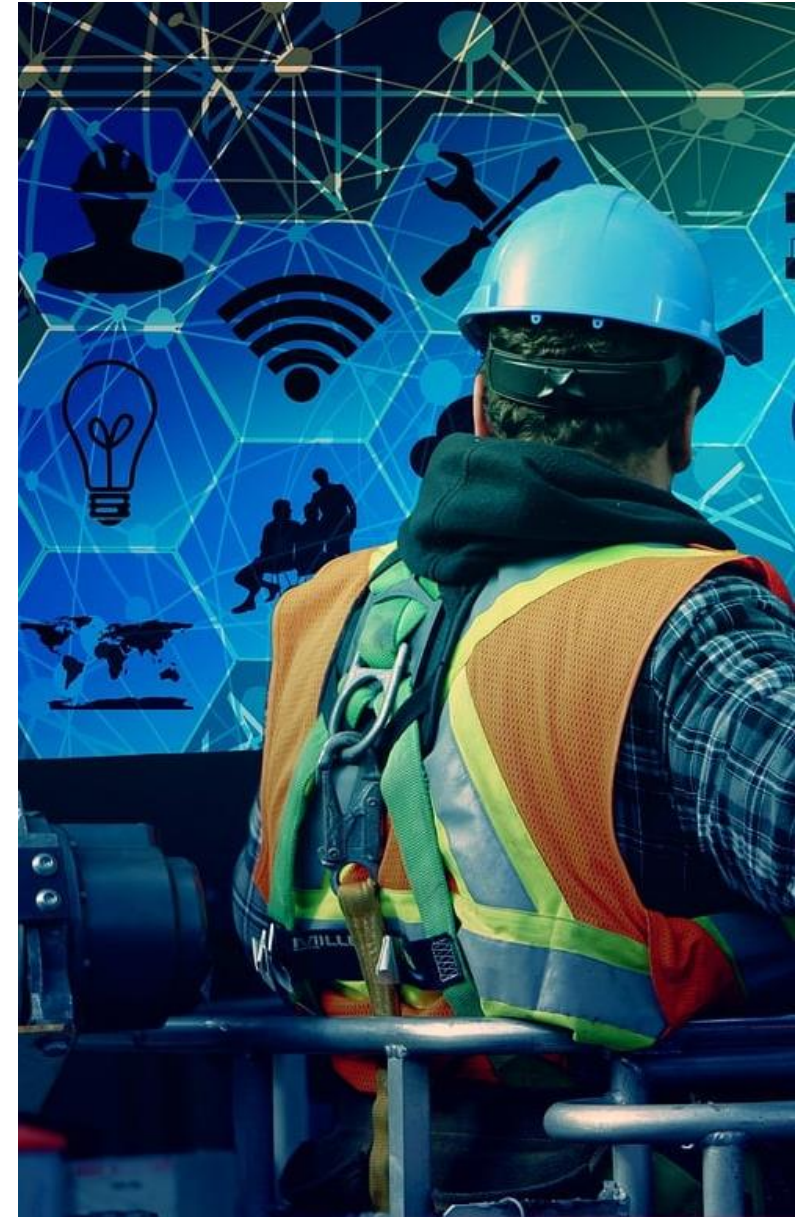
■ Possible new candidate European Partnerships under the Horizon Europe Strategic Plan 2025-2027

* Calls with opening dates in 2023-24

Grozd 4 - Destinaciji 1 in 2 - INDUSTRIJA

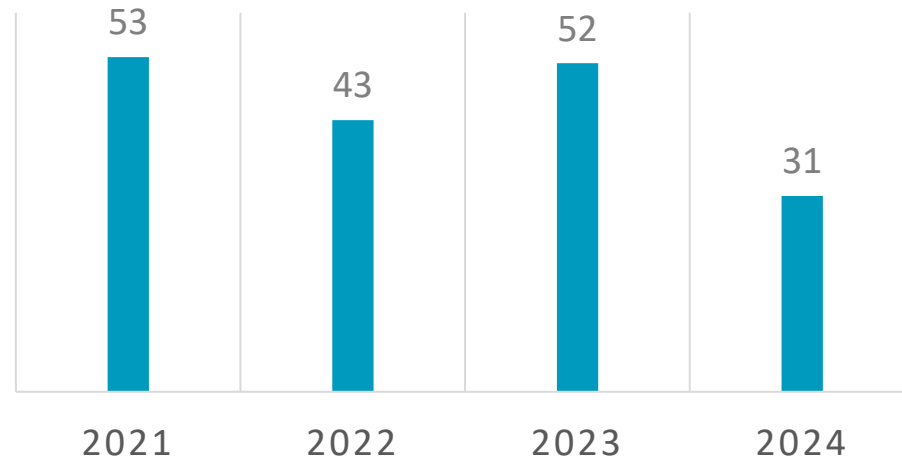
CILJI:

- Vzpostavitev konkurenčne, **digitalne, nizkoogljične** in **krožne industrije**
- Krepitev zmogljivosti in zagotavljanje **suverenosti Evrope** vzdolž celotne vrednostne verige
- Zagotavljanje trajnostne oskrbe s **surovinami**
- Razvoj **naprednih materialov** in zagotovitev podlage za napredek in inovacije v zvezi z globalnimi družbenimi izzivi

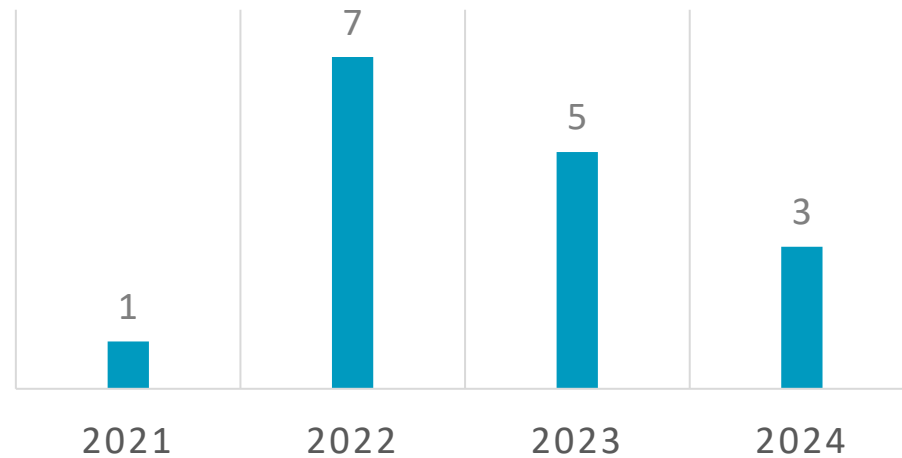


Rezultati: Destinacija 1 – TWIN TRANSITION

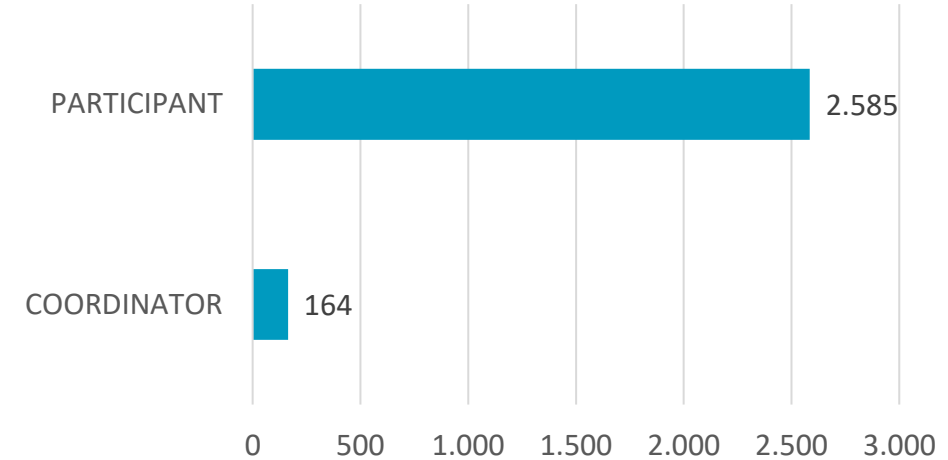
"SIGNED GRANTS" PO LETIH - HEU



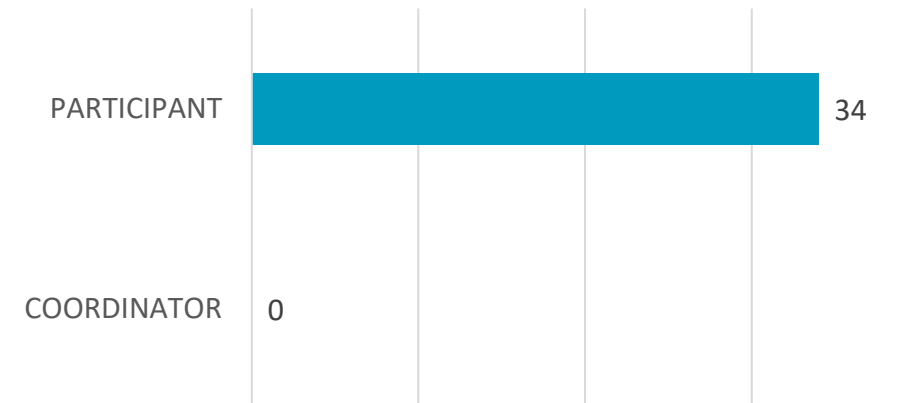
"SIGNED GRANTS" PO LETIH - SLO



Participation HEU

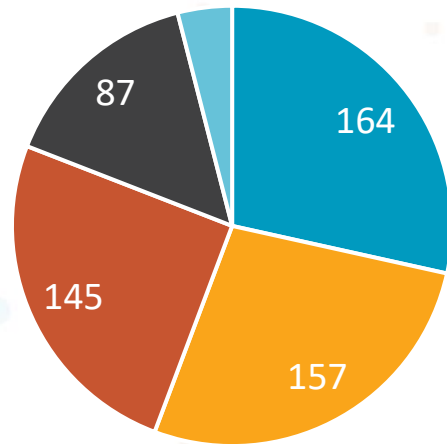


Participation SLO



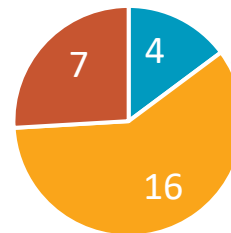
Rezultati: Destinacija 1 – TWIN TRANSITION

Legal Entity Type - Signed Grants HEU



- Private for-profit entities (excluding Higher or Secondary Education Establishments)
- Research Organisations
- Higher or Secondary Education Establishments
- Other
- Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Legal Entity Type - Signed Grants SLO

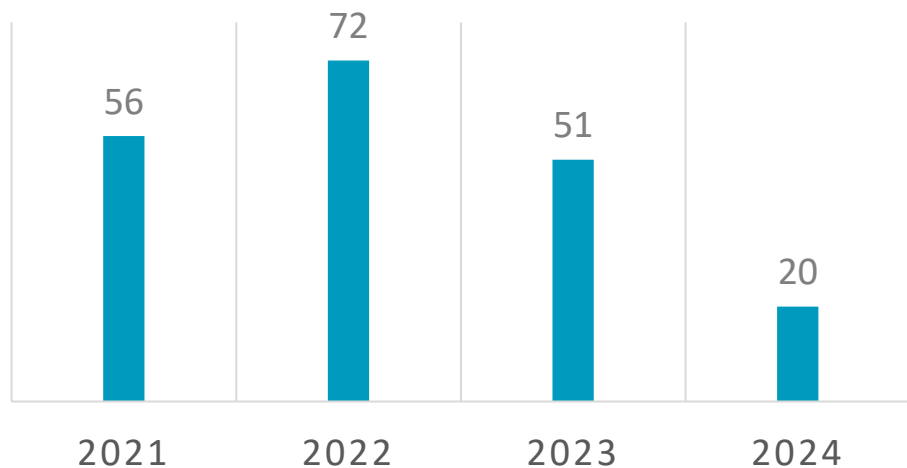


- Higher or Secondary Education Establishments
- Private for-profit entities (excluding Higher or Secondary Education Establishments)
- Research Organisations

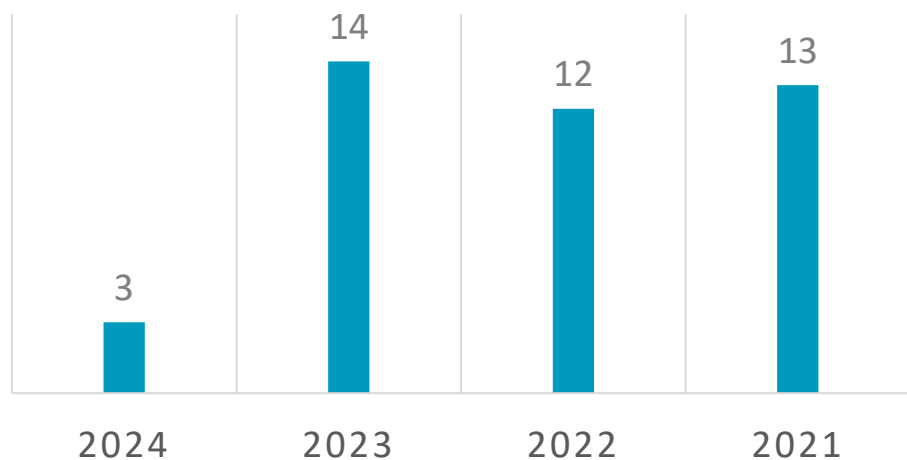


Rezultati: Destinacija 2 – RESILIENCE

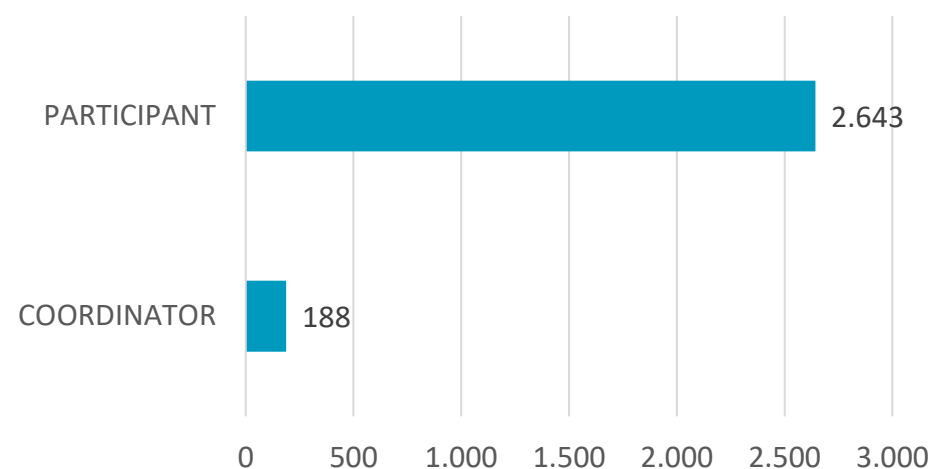
"SIGNED GRANTS" PO LETIH - HEU



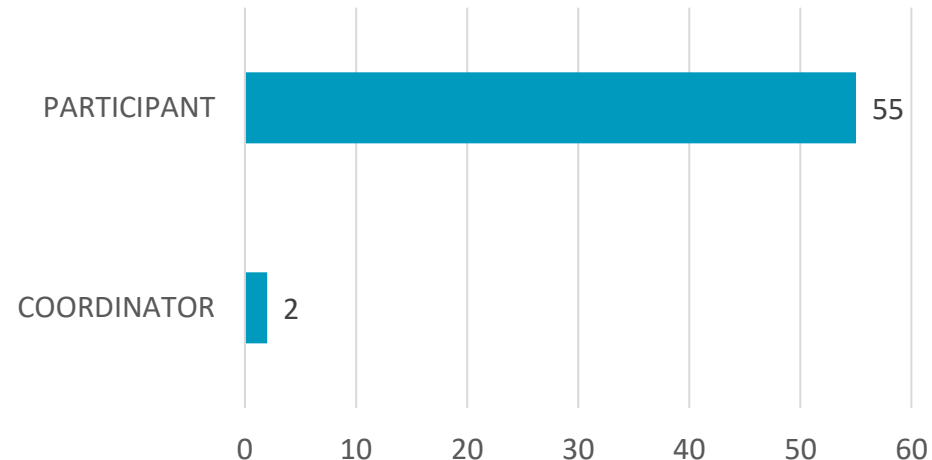
"SIGNED GRANTS" PO LETIH - SLO



Participation - HEU

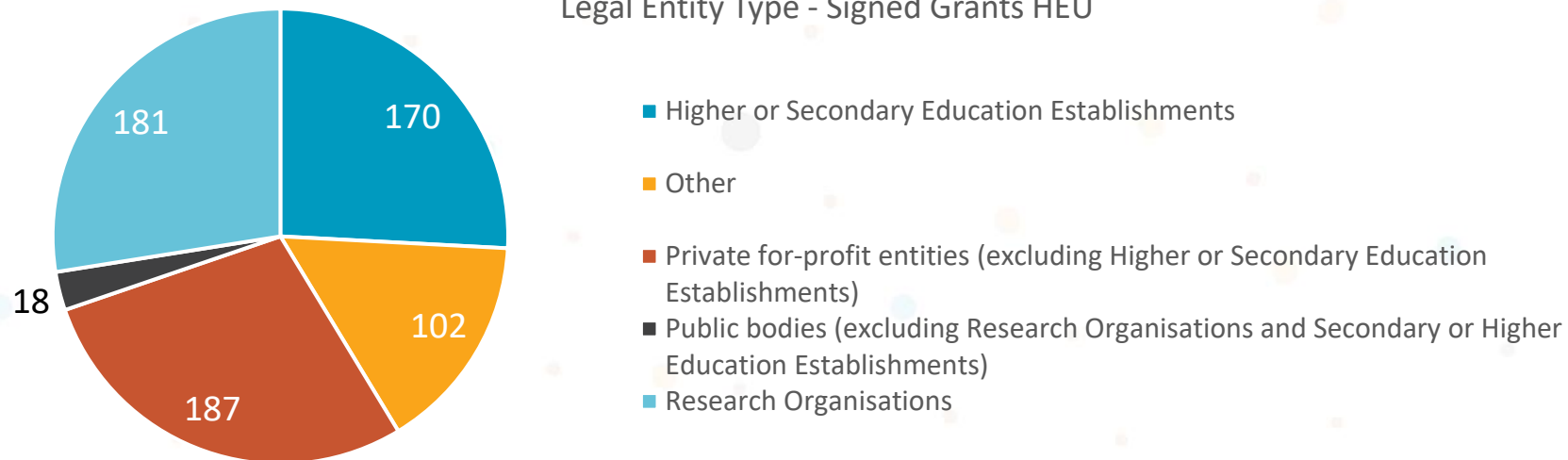


Participation - SLO



Rezultati: Destinacija 2 – RESILIENCE

Legal Entity Type - Signed Grants HEU



Legal Entity Type - Signed Grants SLO



Destination 1:

Achieving global leadership in climate-neutral, circular and digitised industrial and digital value chains

INDUSTRY-TWIN TRANSITION

Manufacturing

- Integrated approaches for remanufacturing
- Physical and cognitive augmentation in advanced manufacturing
- Advanced manufacturing technologies for leadership of EU manufacturers in products for the net-zero industry

Construction

- Enhanced logistics and operations of construction sites

Social Circular Enterprises

- Demonstrators for clusters of social circular enterprises

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Destination 1:

Achieving global leadership in climate-neutral, circular and digitised industrial and digital value chains

INDUSTRY-TWIN TRANSITION

Energy-Intensive Industries - Decarbonisation and Energy Efficiency

- From heat-driven processes to the use of mechanical and electric forces
- Green and resilient flexible production processes
- Integrated use of renewable energy carriers in industrial sites
- Smart integration of net zero technologies into Energy Intensive industries
- Solving issues in carbon-neutral iron and steel making processes with diverse input materials of varying quality



Destination 1:

Achieving global leadership in climate-neutral, circular and digitised industrial and digital value chains

INDUSTRY-TWIN TRANSITION

Energy-intensive Industries - Circularity and Zero Pollution

- Developing and embedding upcycling technologies into viable business
- Safe and clean processing technologies and products
- Synergies and mutual learning with national and regional initiatives in Europe on Industrial decarbonization
- Towards human-centric, sustainable and resilient energy-intensive industries



Destination 2:

Achieving technological leadership for Europe's open strategic autonomy in raw materials, chemicals and innovative materials

INDUSTRY-MATERIALS

Raw Materials

- Technologies for critical raw materials and strategic raw materials from end-of-life products
- Strategic Partnerships for Raw Materials: Innovative Approaches for sustainable production of Critical Raw Materials
- Innovative solutions for the sustainable production for Semiconductor raw materials
- [EU Co-funded Partnership](#) on raw materials for the green and digital transition (*ERA-MIN*)



Destination 2:

Achieving technological leadership for Europe's open strategic autonomy in raw materials, chemicals and innovative materials

INDUSTRY-MATERIALS

Innovative Advanced Materials (IAMs)

- IAMs for product monitoring, smart maintenance and repair strategies in the construction sector
- IAMs for robust, fast curing sealants and coatings for manufacturing and final assembly
- IAMs Innovation Procurement
- IAMs for photonics, enabling low-power and ultra-broadband performance for telecommunication
- IAMs for conformable, flexible or stretchable electronics
- [Materials Commons for Europe](#)



Destination 2:

Achieving technological leadership for Europe's open strategic autonomy in raw materials, chemicals and innovative materials

INDUSTRY-MATERIALS

Safe and Sustainable by Design

- Development of safe and sustainable by design alternatives to Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)
- Accelerate the uptake of life-cycle assessment (LCA) for Safe and Sustainable by Design (SSbD) chemicals and materials and resulting

Textiles

- Digitally enabled local-for-local textile and apparel production



NAPREDNI MATERIALI

EU

Advanced Materials for Industrial Leadership

- Technology Council for advanced materials

So-programirano PARTNERSTVO: Innovative Materials for EU (IAM4EU)

Advanced Material Initiative (AMI2030) <https://www.ami2030.eu>

Innovative Advanced Materials Initiative (IAM-I)

[Sep 19: SRIA Validation Workshop on Advanced Materials | IAM-I](#)

Obzorje 2020: M-ERA.NET3 – odprt razpis rok 13. 5. 2025

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DOGODKI

- [New Partnership in Horizon Europe: Textiles of the Future](#) (15.4.2025 – online)
- [HE info days – Cluster 4](#) (13. + 14. 5. 2025 – online + Brokerage events)
- [EU Brokerage Event on KETs 2025](#) (20. 5. 2025 - Stasbourg)
- [IndTech 2025](#) (2.-4. 6. 2025 Krakow + Brokerage event)



SUROVINE

EU

Evropski akt o kritičnih surovinah

https://commission.europa.eu/strategy-and-policy/priorities-2019-2024/european-green-deal/green-deal-industrial-plan/european-critical-raw-materials-act_sl

So-financirano PARTNERSTVO

RAMP?/ERA-MIN

<https://www.era-min.eu/partnership>

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Uporabne povezave

- MVZI and Horizon Europe: www.obzorje-evropa.si
- Horizon Europe: https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe_en
- Funding and Tenders: <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>
- Strategic plan: https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/strategic-plan_en
- Reference documents (Work programme & call documents): <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/reference-documents?programmePeriod=2021-2027&frameworkProgramme=43108390>
- European Partnerships in Horizon Europe: https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/european-partnerships-horizon-europe_en
- Made in Europe (EFFRA): <https://www.effra.eu/made-in-europe-state-play/>
- Processes4Planet (A.SPIRE): <https://www.aspire2050.eu/p4planet/about-p4planet>
- Advanced Materials Initiative (AMI2030): <https://www.ami2030.eu/>
- Advanced Material Partnership: <https://www.iam-i.eu/>
- M-ERA.NET: <https://www.m-era.net/>
- ERA-MIN: <https://www.era-min.eu/>
- NCP4Industry: <https://ncp4industry.eu/>

