



# HORIZON EUROPE



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## THE EU RESEARCH & INNOVATION PROGRAMME

2021 – 2027

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DG R&I, European Commission



**IGLO Open seminar**

4th April 2023

## R&I SUPPORT MEASURES FOR UKRAINE

# Impacts of war on Ukraine's R&I ecosystem

- 35% of Research Infrastructure and Higher Education Institutions damaged or destroyed
- Estimated 6000 scientists left Ukraine; many others changed careers or joined defense forces.
- Public R&I budget reduced to a minimum.

# UA's Association Agreement to HE and Euratom

*in force since 9 Jun 2022*

- Key instrument to support UA R&I entities **both in & out** of the country
- UA government does not have to contribute financially to programmes
- UA entities participate on equal terms with entities from EU MS, i.e. UA entities eligible for EU funding and can act as project coordinators
- UA government representatives participate as observers in:
  - i) Programme Committees where Work Programmes are shaped;
  - ii) ERA governance structures incl. ERA Forum and ERAC (on ad-hoc basis)

# HORIZON EUROPE – Key Support Actions

€ 25M

MSCA4Ukraine

€ 3M

Health  
Scientists

€ 5M

EU Cities  
Mission –  
capacity-  
building

Fast-track  
access to  
RI

€ 20M

EIC4Ukraine

**HORIZONTAL**

All applicants  
encouraged to **create  
opportunities** where  
possible for affected UA  
entities

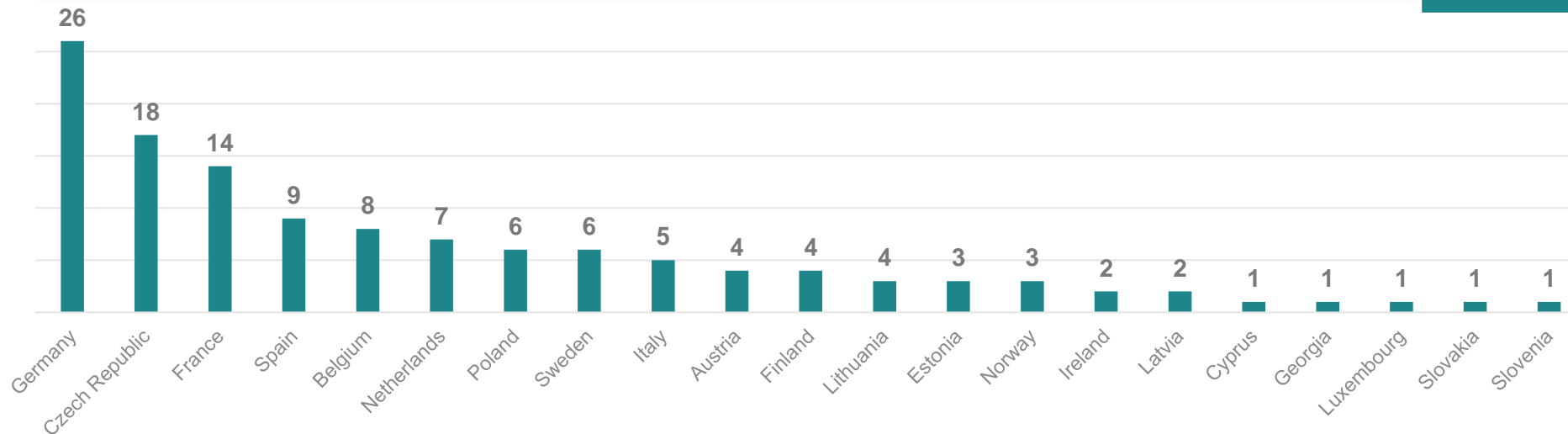
# MSCA4Ukraine



- **EUR 25 million** fellowships scheme to enable displaced UA scientists to continue their work.
- Host organisations in EU **MS** and HE **Associated Countries**;
- **126** projects selected for funding. **113 postdoctoral researchers** and 13 doctoral candidates.
- **65% female** researchers and **35% male** researchers

Research Area	%
LIF	25,81
SOC	21,77
CHE	17,74
PHY	11,29
ENG	10,48
ECO	5,65
MAT	4,03
ENV	3,23

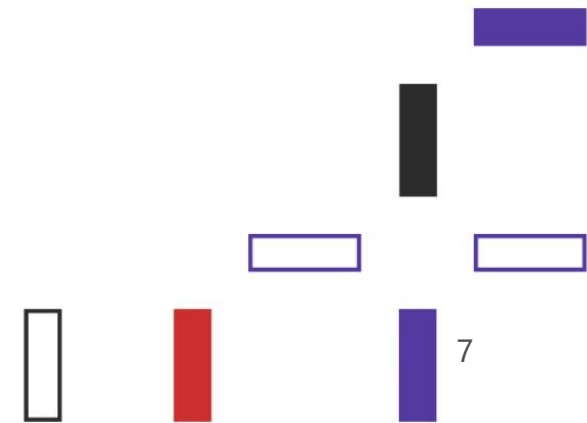
## Distribution of the awards by the host country



# Other initiatives for UA displaced researchers

- **UA health scientists** benefit from ‘scientists for scientists’ initiative under [Human Frontier Science Program](#) (EU contribution EUR 3 mln 2022-2024)
- [ERC4Ukraine](#): jobs for UA researchers linked to ongoing ERC grants
- Joint fellowships by Joint Research Centre and European University Institute (EUI) in **science for policy competences**
- [ERA4Ukraine](#) as a one-stop-shop for information

- **EUR 20 million initiative by the European Innovation Council**
- **Pan-European network** to be created that will:
  - Support tech startups/SMEs in Ukraine and temporarily displaced
  - Provide **direct financial support** (up to EUR 60k innovation grants) to **at least 200 UA tech startups/SMEs**
  - Provide **support services** (expertise, access to markets, access to networks)
  - Managed by a consortia of associations from different MS + UA partners
  - Launch of the network foreseen in second half of 2023.



# Research Infrastructure (RI)

- **Ongoing HE call to offer fast track access to European RI**
    - Applicable to all topics of **INFRASERV** destination: **RIs services to support health research, green and digital transformation, and frontier knowledge**
    - Actions under this destination are invited to offer fast-track access for UA researchers through :
      - **Specific outreach activities**
      - **Support in preparing applications to the access calls**
      - **Selection priority at equal scientific merit**
      - **Extended ad-hoc training and duration of visits (beyond 3 months)**
- 
- + ***JRC calls to access its 60 unique RI facilities, including nuclear, are open to UA.***





## ‘Associating Ukrainian cities to the Climate-Neutral and Smart Cities’ Mission

- EUR 5 million call
- Will support a number of UA cities to **integrate the principles of climate neutrality in their reconstruction efforts**
- Through **peer-to peer-cooperation** with 112 EU/AC cities involved in the Mission
- Synergies will be sought with Urban Transition Mission launched at COP27 where three UA cities participate (Konotop, Zhytomyr and Lviv).

# Political Perspectives for Eastern Neighbourhood and Western Balkans

- EUR 9 mln call (closed on 14 Mar 2023)
- Focus on:
  - i) improved EU neighborhood policy and accession process;
  - ii) geopolitical ambitions of Russia and China in the regions;
  - iii) more resilient EU foreign policy
- Consortium must include at least one entities from the following countries:  
Ukraine, Georgia, Moldova

# Excellence Hubs Initiative

- EUR 60 mln call (Sep 2023) under WIDERA part of HE Work Programme
- Encourages applications from less developed innovation eco-systems, **UA in particular**, to participate in a “mentoring scheme”
- Beneficiaries will receive **mentoring, training, knowledge transfer** even if their ecosystems are not yet developed to a full quadruple helix structure.

# Hop On Facility

- Allows legal entities from Widening countries, **UA included**, to join ongoing Horizon projects that have no partners from Widening countries
- Easier application procedure with win-win benefits for ongoing projects and the Hop On partner
- **Thematic areas:**
  - Health
  - Culture, Creativity and Inclusive Society
  - Civil Security for Society
  - Digital, Industry and Space
  - Climate, Energy and Mobility
  - Food, Bioeconomy, Natural Resources, Agriculture and Environment
  - Non-nuclear Direct Actions of the JRC
  - Innovation

## **New call: HORIZON-WIDERA-2023-ACCHES-06**

- Type of action: RIA
- Opening: Jan 2023
- Cut-Off dates: 26 Sep 2023; 27 Sep 2024
- Indicative budget: €80M for two cut-off dates
- Expected EU contribution per project: €0,2M to €0,5M
- Expected number of projects to be funded: 160

# Calls to support specific cooperation frameworks

## *EU-Ukraine Strategic Partnership on Raw Materials*

- **HORIZON-CL4-2023-RESILIENCE-01-06:** Earth Observation platform, products and services for raw materials (IA)
- **HORIZON-CL4-2024-RESILIENCE-01-11:** Technologies for extraction and processing of critical raw materials (IA)

## *Administrative Cooperation Arrangement on Copernicus data access and EO data exchange*

- **HORIZON-EUSPA-2023-SPACE-01-46:** Designing space-based downstream applications with international partners

# European Institute of Innovation and Technology

- **EIT Higher Education Institutions Initiative** – work is ongoing with 30 UA universities to strengthen their innovation capacity.
- **EIT Jumpstarter Programme** in UA to help innovators and startups bring ideas to market via bootcamps, mentoring and a pitch event.
- **Girls Go Circular Initiative** extended to UA offering school girls training on digital and entrepreneurial skills

Pre-accelerator in  
Ukraine - powered by  
**EIT Jumpstarter**



# UA's Sustainable Recovery

- Associating UA cities to **EU Cities' Mission**: EUR 5 mln to support peer-to-peer cooperation with 112 EU/AC cities on **climate-neutral local recovery plans**
- JRC-led **New European Bauhaus capacity-building** programme for UA municipalities – on using new models of urban design in reconstruction work.
- **Nature Based Solutions Hub** launched in UA under Network Nature Project.
- JRC does **needs' assessment work** on migration flows, demographic future of UA, water-related needs + monitoring of agricultural and crop activities.
- JRC to develop **S3 model for post-destruction regions** + scenarios on security of gas supply.

# Ukraine in Horizon Europe



**51 SIGNED GRANTS**

- Success rate: 18.39%<sup>1)</sup>



**EUR 13.4 MILLION  
NET EU CONTRIBUTION**



**69 PARTICIPATIONS**

All data is taken from the internal [Horizon Dashboard](#). Do not further disseminate.

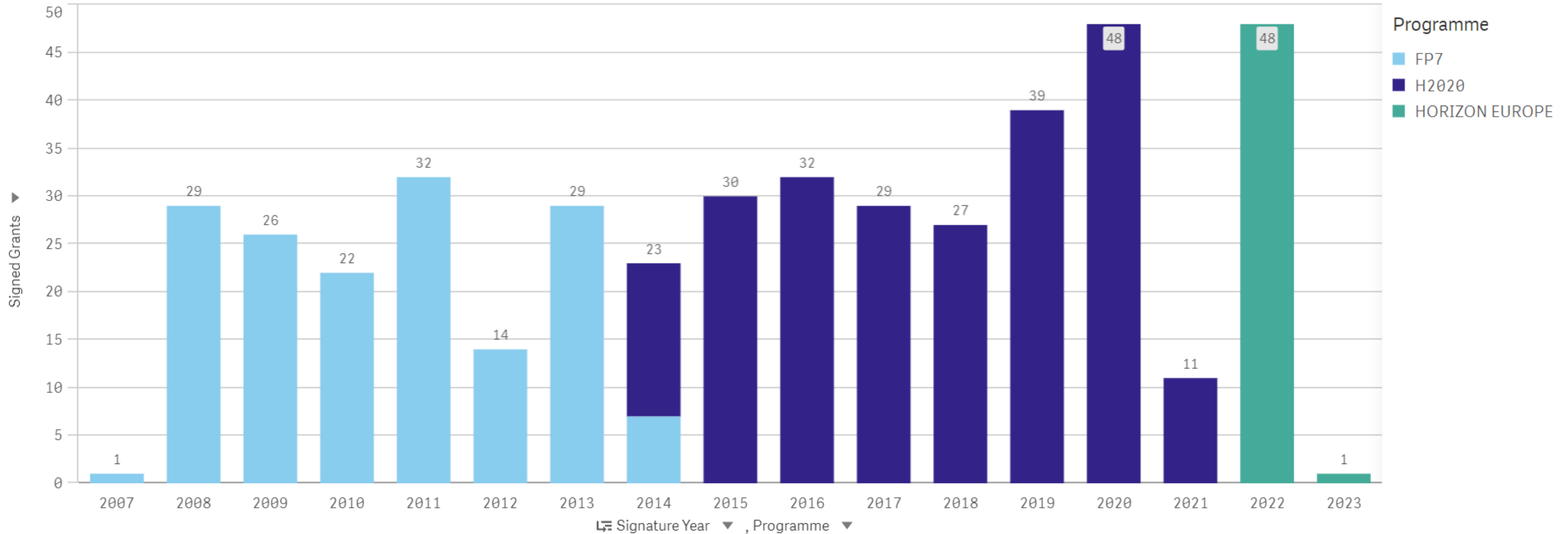
1) Overall success rate for eligible proposals in Horizon Europe: 15.85%



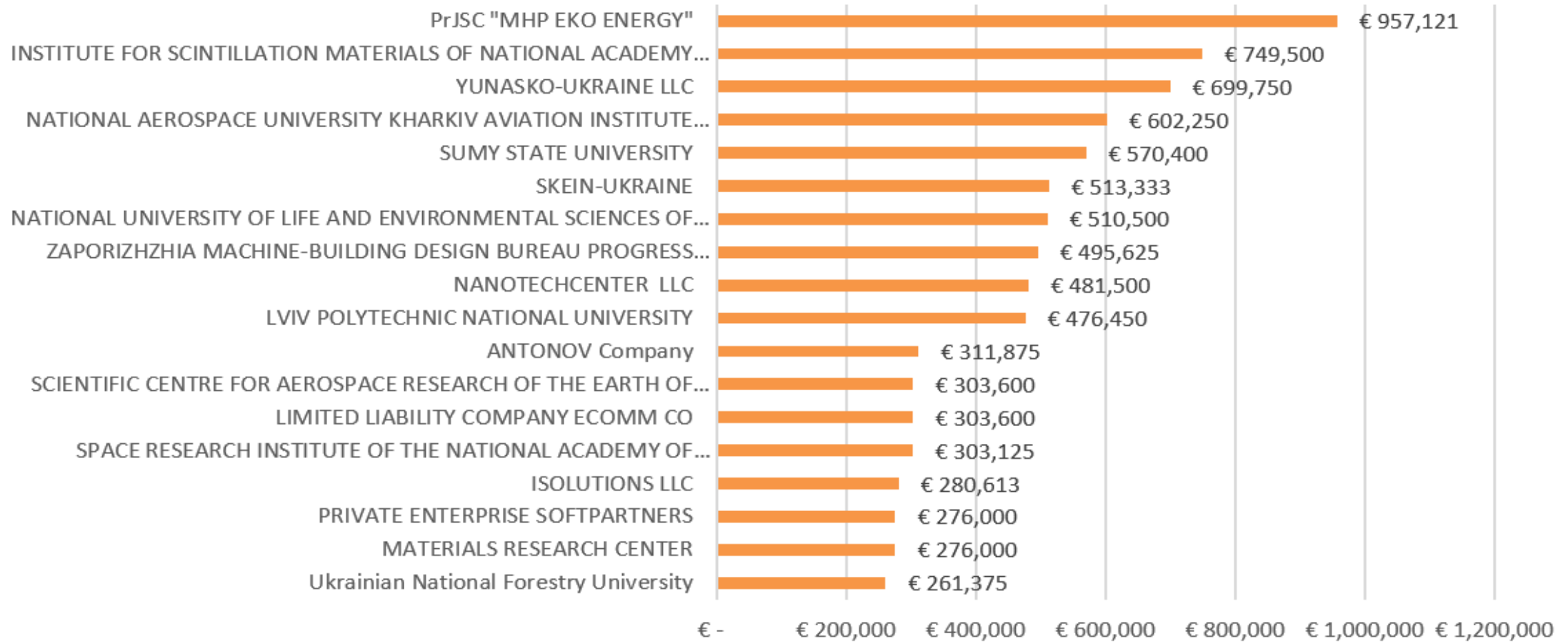
# Evolution by Participation

*latest data - to be reflected on HE public database in Feb*

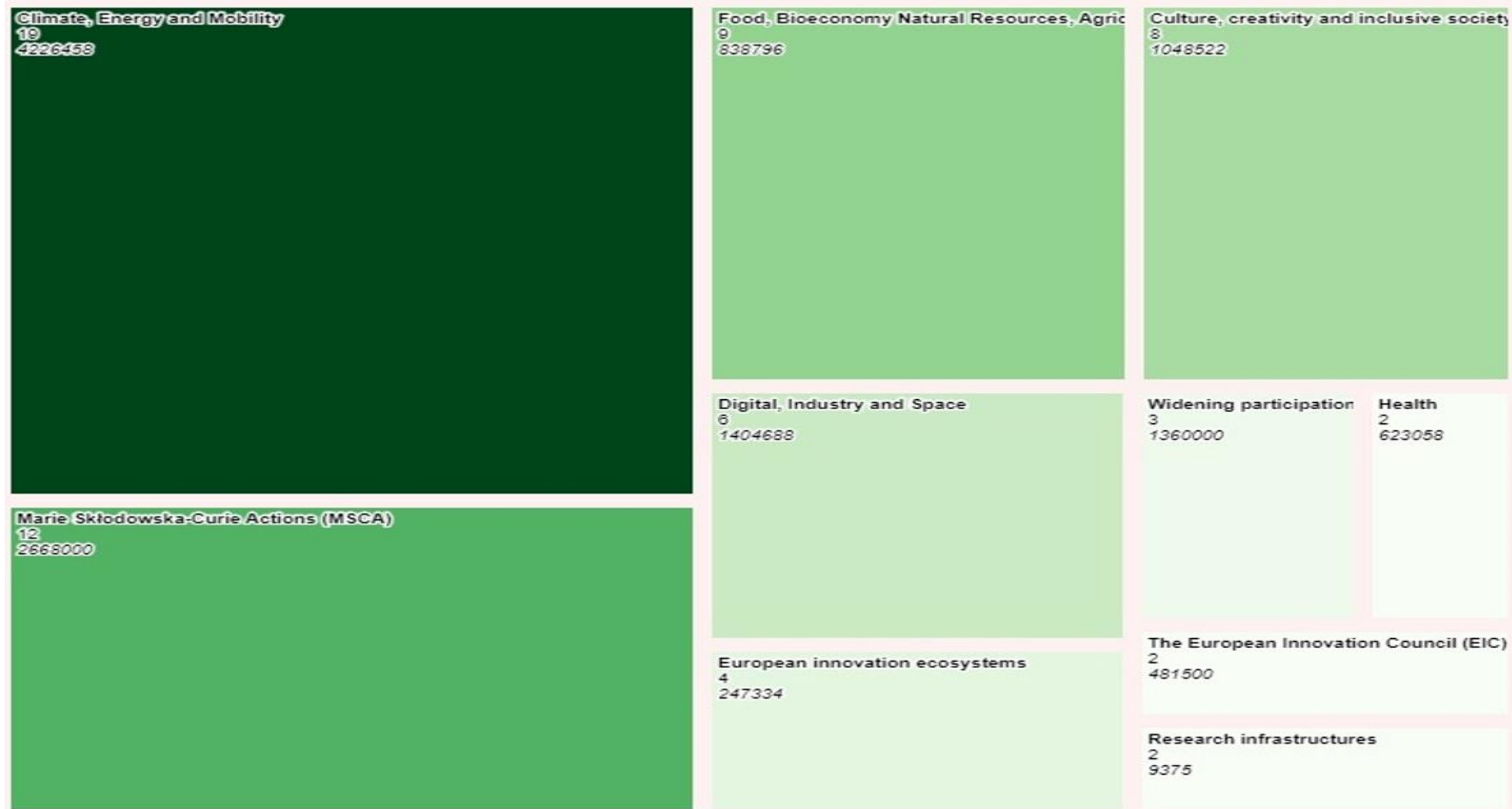
Evolution over time



# Top participants by EU Contribution in Horizon Europe



# Participations by Thematic Priority and EU Contribution in Horizon Europe



# HE Project Examples

- [BIOMETHAVERSE](#): supports the uptake of bio-methane green hydrogen technology in Europe. Two UA entities participate: EKO ENERGY and Bioenergy Association of Ukraine.
- [HYDEA](#): Hydrogen Demonstrator for Aviation. Kharkiv Aviation Institute.
- [EFACA](#): Environmentally Friendly Aviation for all classes of Aircraft. Ivcehnko Design Bureau and Antonov Company.
- [CATCHER](#): EIC-funded project to optimize and scale up ground-breaking technology to convert atmospheric humidity into electricity. Nanotechcenter LLC and Donetsk Institute for Physics and Engineering.

# Horizon Europe Office in Kyiv, Ukraine



- Launch foreseen Oct 2023
- National Research Foundation of Ukraine (NRFU) to host
- Objectives:
  - **Promote UA's participation** in HE programme through awareness raising
  - **Provide TA** and support to UA NCPs
  - **Provide policy advice** on UA's integration into ERA
- Collaborate with similar HE Offices in EU MS and other ACs (Georgia and Turkey)

# Other Reference Points

**Meet the new EIC  
Ambassador**

**Sergey Sereda**  
Co-founder and managing  
partner of PIPES.one



#EUeic



**Hub UKRAINE**



*by end 2023*

# R&I networks – building

- **Enterprise Europe Network Ukraine**
- **Info Science Bot**: Telegram bot created to quickly inform UA scientists and innovators about support opportunities in UA and abroad:
- **Science and Business Platform**: UA government online platform to promote networks between entrepreneurs and scientists:
- **Scholars Support Office (SSO)**: Scholar promotion agency to promote technology-enabled innovation in Ukraine in cooperation with international partners:



# THANK YOU!



[Ukraine \(europa.eu\)](https://europa.eu)



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