



HORIZON EUROPE OFFICE IN UKRAINE

AND FUTURE OPPORTUNITIES FOR PARTICIPANTS

Project HEOinUA-101132682

*Igor Taranov,
PhD in Economics, Associate Professor,
Head of the Department Horizon Europe Office in Ukraine*

**Prospects for the development of cooperation in
higher education between Ukraine and Austria
16 April 2024**



SPECIFIC PROGRAMME IMPLEMENTING HORIZON EUROPE & EIT*

Exclusive focus on civil applications



Pillar I **EXCELLENT SCIENCE**

European Research Council

Marie Skłodowska-Curie

Research Infrastructures



Pillar II **GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS**

Clusters

- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- Climate, Energy & Mobility
- Food, Bioeconomy, Natural Resources, Agriculture & Environment

Joint Research Centre



Pillar III **INNOVATIVE EUROPE**

European Innovation Council

European Innovation
Ecosystems

European Institute of
Innovation & Technology*

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence

Reforming & Enhancing the European R&I system

On December 20, 2023, the official opening ceremony of Horizon Europe Office in Ukraine took place on the basis of the National Research Foundation of Ukraine



The Office will provide support to National Contact Points across Ukraine and strengthen research ties between Ukrainian and European institutions.

The objective of the Office work is to bring Ukraine's participation in the Horizon Europe Programme to a new level

Office structure



IGOR TARANOV
PhD in Economics, Associate Professor, Head of the Department Horizon Europe Office in Ukraine
Pillar I: Excellent Science (European Research Council)
Pillar II: Global Challenges and European Industrial Competitiveness (Joint Research Centre)
Pillar III: Innovative Europe (European Innovation Council)



NATALIIA DIDENKO
PhD in Agricultural Science, Senior Researcher, Deputy Head of the Department Horizon Europe Office in Ukraine
Pillar II: Global Challenges and European Industrial Competitiveness (cluster 5: Climate, Energy and Mobility; cluster 6: Food, Bioeconomy, Natural Resources, Agriculture & Environment)
Widening participation and strengthening the European Research Area (Widening participation and spreading excellence)



OLENA LIVINSKA
PhD in Biology, Leading Officer
Pillar II: Global Challenges and European Industrial Competitiveness (cluster 1: Health; cluster 6: Food, Bioeconomy, Natural Resources, Agriculture & Environment)
Widening participation and strengthening the European Research Area (Reforming and enhancing the European Research and Innovation system)



GRYGORIY NAUMOVETS
PhD in Physics and Mathematics, Leading Officer
Pillar II: Global Challenges and European Industrial Competitiveness (cluster 4: Digital, Industry and Space)
Pillar II: Global Challenges and European Industrial Competitiveness (Joint Research Centre)
Euratom Research and Training Programme



YULIIA REMINSKA

PhD in Law, Leading Officer

Pillar I: Excellent Science (Marie Skłodowska-Curie Actions)
Pillar II: Global Challenges and European Industrial Competitiveness (cluster 2: Culture, Creativity and Inclusive Societies)



OLEKSANDR MOISEIEV

PhD in Law, Leading Officer

Pillar III: Innovative Europe (European Institute of Innovation & Technology, European Innovation Ecosystems)
Widening participation and strengthening the European Research Area (Reforming and enhancing the European Research and Innovation system)



MAKSYM KOLISNYK

PhD in Public Administration, Associate Professor, Leading Officer

Pillar II: Global Challenges and European Industrial Competitiveness (cluster 4: Digital, Industry and Space)
Pillar III: Innovative Europe (European Institute of Innovation & Technology)
Widening participation and strengthening the European Research Area (Widening participation and spreading excellence)



TAYISIYA SYMOCHKO

Leading Officer. In 2015 she was nominated as the National Contact Point of Horizon 2020

Pillar II: Global Challenges and European Industrial Competitiveness (cluster 1: Health; cluster 6: Food, Bioeconomy, Natural Resources, Agriculture & Environment)





NADIIA NAUMOVA
PhD in Law, Leading Officer

Pillar I: Excellent Science (Research Infrastructures)
Pillar II: Global Challenges and European Industrial
Competitiveness (cluster 3: Civil Security for Society)
Specific programme: European Defence Fund



OLGA PALEKHA

PhD in Economics, Leading Officer

Pillar II: Global Challenges and European Industrial
Competitiveness (cluster 3: Civil Security for Society; cluster 5:
Climate, Energy and Mobility)
Specific programme: European Defence Fund



OLENA SAVINA
Operational Support Officer



DENYS NIKOLAICHUK
Communications Officer



YULIA KOSHYK
Communications Officer

Project coordinator: NRFU

Duration: 36 months

Main objective: strengthening Ukraine's integration into the EU Framework Programme for Research and Innovation Horizon Europe and the European Research Area



Target audience of the Project

- 01 National contact points (NCPs)
- 02 Prospective participants and general public (PPs)
- 03 Research and innovation communities (R&IC)
- 04 Knowledge institutions (KIs)
- 05 Small and medium enterprises (SMEs)
- 06 Ministry of Education and Science of Ukraine (MoESU)
- 07 Other governmental bodies (GBs)
- 08 European Commission (EC)

KEY TASKS OF THE OFFICE



Provide support to National Contact Points (NCPs) throughout Ukraine

Promote the creation of an active and efficient network of NCPs that will provide professional services to Ukrainian researchers and innovators

Provide policy advice on Ukraine's integration into the ERA, focusing on specific policy priorities

Monitor the implementation of cooperation projects, raise awareness of success stories and warn of specific challenges



- ✓ Raising awareness of the NPC, the research community, stakeholders and partners about the Horizon Europe Programme.
- ✓ Stakeholders are provided with the analytical data they need to make effective decisions.
- ✓ The general public and the scientific community have a comprehensive vision of the problems and achievements in the Ukrainian scientific sector.
- ✓ Horizon Europe Office in Ukraine develops sustainable cooperation with the international offices of the Programme.
- ✓ The Ukrainian research community has better access to information on opportunities for cooperation with the EU in research and innovation outside of the Programme.

Expected results



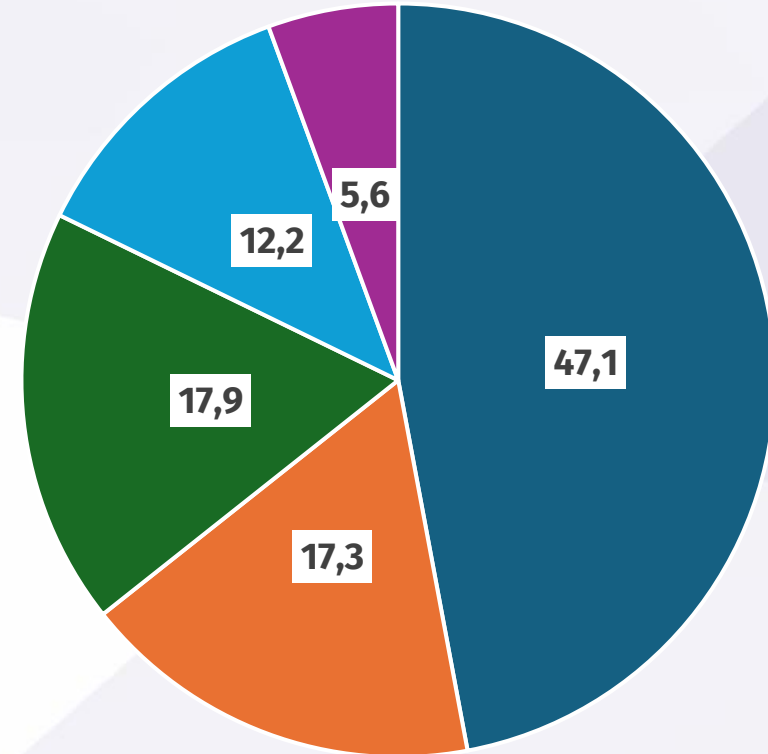
Ukraine's participation in the Horizon 2020 Framework Programme

During the implementation of the Horizon 2020, as of **11.04.2024**, **2841 applications were submitted** by Ukrainian applicants (0.28% of all applications under the Horizon 2020), **235 grant agreements were signed** (0.66% of all signed) for the amount of **EUR 49.05 million** (0.07% of all funding).

In total, **172 Ukrainian organizations** (0.41% of the total number of participants) became participants of the Horizon 2020.

The percentage of successful applications in Ukraine under the Horizon 2020 is **9.33%**. The average success rate of the participating countries is **6.76%**.

Distribution of participants, %



- private organizations (except for higher and secondary education institutions)
- higher and secondary educational institutions
- research institutions
- public organizations (except for scientific institutions, higher and secondary education institutions)
- others

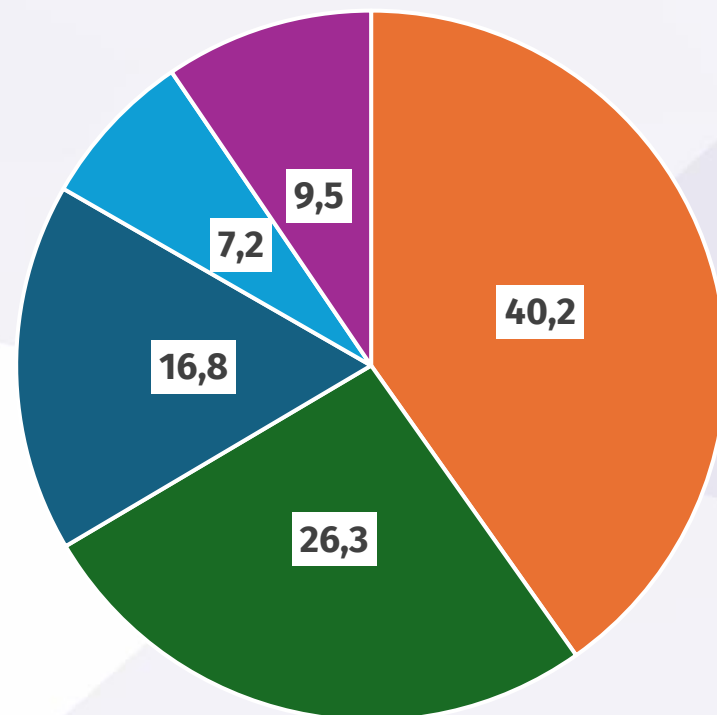
Ukraine's participation in the Horizon Europe Framework Programme

During the implementation of the Horizon Europe for 2021-2024, as of **11.04.2024**, **1231 applications were submitted** (0.37% of all applications under the Horizon Europe), **139 grant agreements were signed** (1.27% of all signed) for the amount of **EUR 36.81 million** (0.12% of all funding).

In total, **145 Ukrainian organizations** (0.66% of all participating organizations) became members of the Horizon Europe.

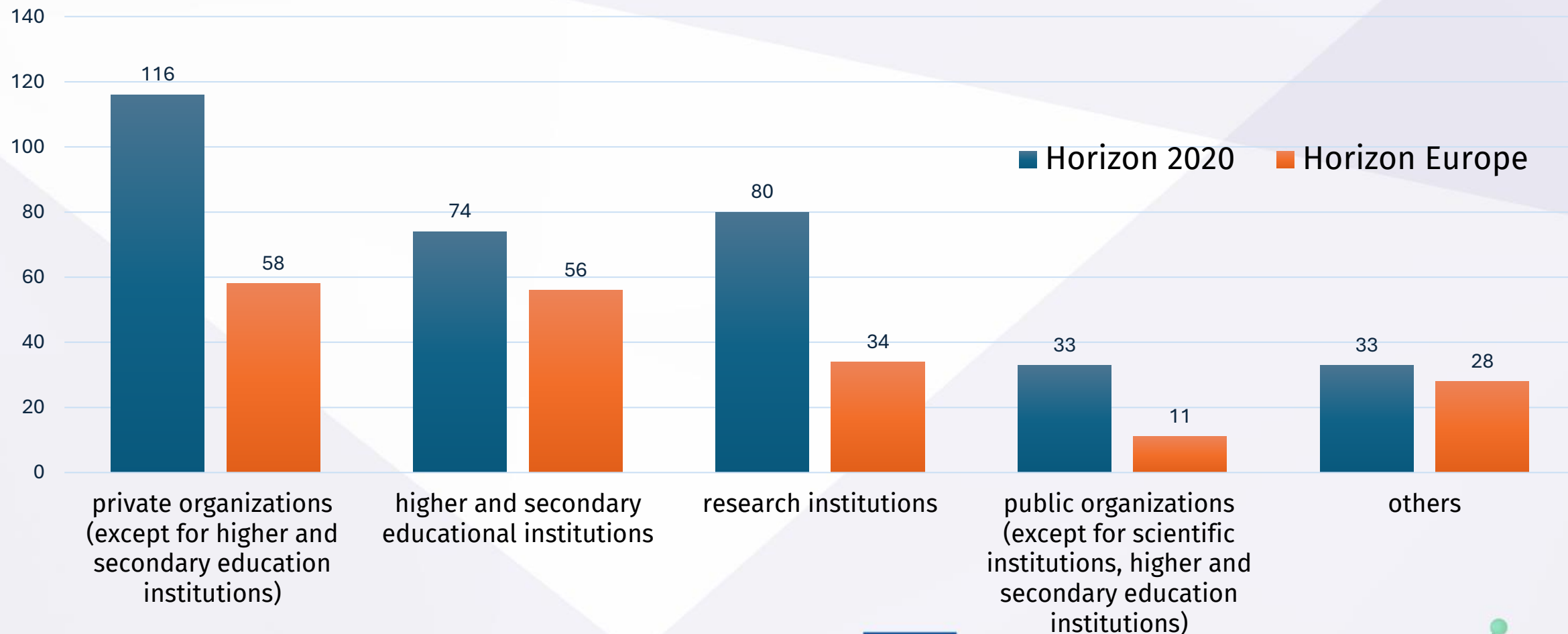
The percentage of successful applications in Ukraine under the Horizon Europe is **17.30%**. The average success rate of the participating countries is **17.16%**.

Distribution of participants, %

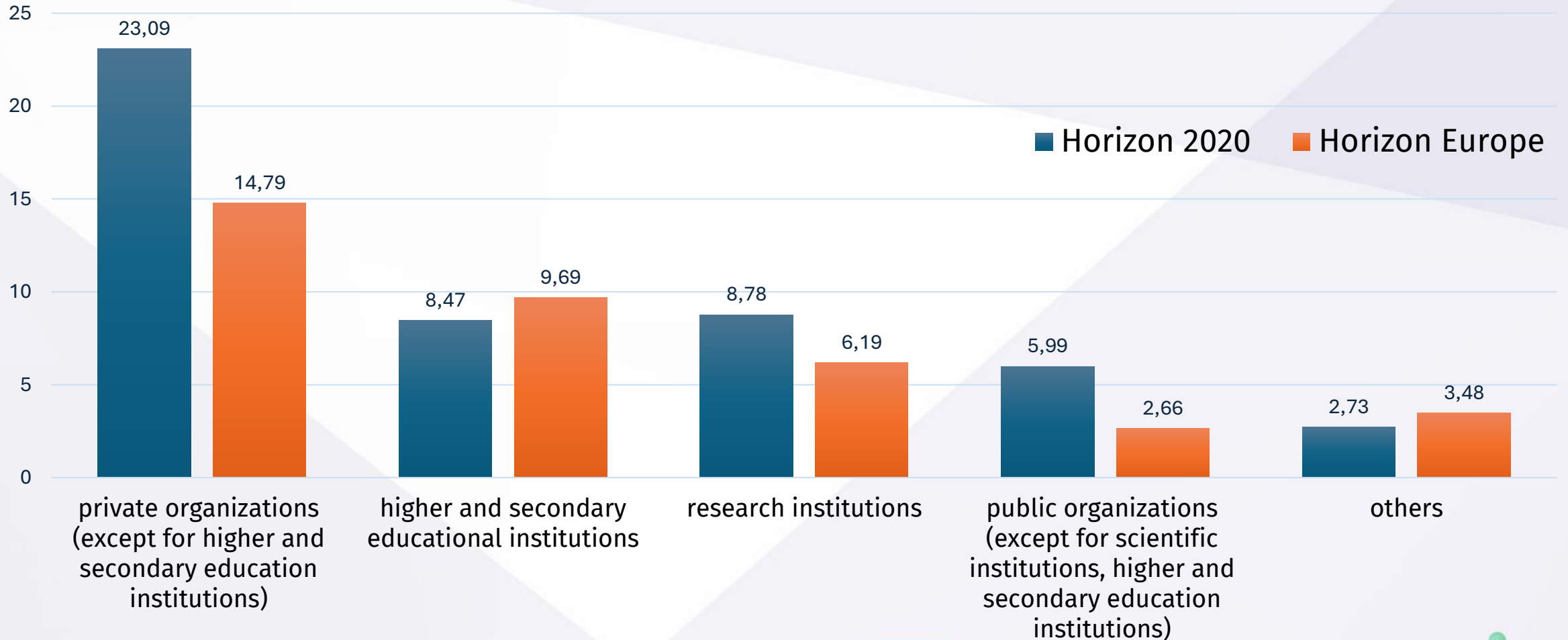


- private organizations (except for higher and secondary education institutions)
- higher and secondary educational institutions
- research institutions
- public organizations (except for scientific institutions, higher and secondary education institutions)
- others

The number of participants from Ukraine in the Horizon 2020 and Horizon Europe: a comparative analysis (according to the CORDIS portal)



Funding of Ukrainian organizations in the Horizon 2020 and Horizon Europe: a comparative analysis (according to the CORDIS portal)





Horizon Europe Framework Programme
1 Pillar I Excellent Science
European Research Council (ERC)

Horizon Europe Framework Programme



3 Pillar II Global Changes and European Industrial Competitiveness
Health

19 Digital, Industry and Space

49 Climate, Energy and Mobility

Horizon Europe Framework Programme

5 Pillar III Innovative Europe
European Innovation Council (EIC)



Horizon Europe Framework Programme

2 Pillar III Innovative Europe
European Innovation Ecosystems

Horizon Europe Framework Programme

1 Widening Participation and Strengthening the European Research Area
Widening participation and Spreading Excellence



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ERC PROOF OF CONCEPT GRANTS

ERC-2024-POC

Type of action

HORIZON-ERC-POC HORIZON ERC Proof of Concept Grants

Type of MGA

HORIZON Lump Sum Grant [HORIZON-AG-LS]

Deadline model

multiple cut-off

Budget 30 000 000

Indicative number of grants 200

Opening date

16 November 2023

Deadline dates

14 March 2024 17:00:00 Brussels time

17 September 2024 17:00:00 Brussels time

The ERC Proof of Concept Grants **aim at facilitating exploration of the commercial and social innovation potential** of ERC funded research and are therefore **available only to Principal Investigators** whose proposals draw substantially on their ERC funded research

Pillar II Global Changes and European Industrial Competitiveness

Health

Opening date
16 January 2024

Deadline date
22 May 2024 17:00:00 Brussels time

Budget 95 000 000
Indicative number of grants 3

Type of action

HORIZON-JU-RIA HORIZON JU Research and Innovation Actions

Type of MGA

HORIZON Action Grant Budget-Based [HORIZON-AG]

Improving clinical management of heart disease from early detection to treatment

HORIZON-JU-IHI-2024-07-01-singe-stage

Heart disease includes structural heart disease (SHD), coronary artery disease (CAD), heart failure (HF) and heart arrhythmias, which are common, devastating, and heterogeneous medical conditions causing a high burden in Europe and worldwide

User-centric technologies and optimized hospital workflows for a sustainable healthcare workforce

HORIZON-JU-IHI-2024-07-02-singe-stage

Due to long-lasting staff shortages and systemic challenges in healthcare systems, which have been exacerbated as a consequence of the COVID-19 pandemic, healthcare professionals are facing increasing workloads and pressures at work, resulting in an increase in burnout and stress as well as short- or long-term absences from work. A high level of clinician and medical staff burnout has many professional ramifications and can result in medical errors and suboptimal patient care as well

Clinical validation of biomarkers for diagnosis, monitoring disease progression and treatment response

HORIZON-JU-IHI-2024-07-03-singe-stage

Biomarker-driven approaches for diagnosis, monitoring disease progression and assessing treatment response have immense potential to help us progress precision medicine

Pillar II Global Changes and European Industrial Competitiveness

Digital, Industry and Space

Deadline date

18 April 2024 17:00:00 Brussels time

SNS Operations and Output optimisation

HORIZON-JU-SNS-2024-STREAM-CSA-01

Budget 4 000 000 **Indicative number of grant** 1

SNS Microelectronics Lighthouse

HORIZON-JU-SNS-2024-STREAM-C-01-01

Budget 10 000 000 **Indicative number of grant** 1

International Collaboration – EU-ROK

HORIZON-JU-SNS-2024-STREAM-B-01-06

Budget 3 000 000 **Indicative number of grant** 1

Sustainability Lighthouse

HORIZON-JU-SNS-2024-STREAM-B-01-07

Budget 13 000 000 **Indicative number of grant** 1

International Collaboration – EU-JP

HORIZON-JU-SNS-2024-STREAM-B-01-05

Budget 3 000 000 **Indicative number of grant** 1

Reliable AI for 6G Communications Systems and Services

HORIZON-JU-SNS-2024-STREAM-B-01-08

Budget 6 000 000 **Indicative number of grant** 1

SNS Large Scale Trials and Pilots (LST&Ps) with Verticals

HORIZON-JU-SNS-2024-STREAM-D-01-01

Budget 25 000 000 **Indicative number of grants** 2

Reliable Services and Smart Security–Standardisation and Follow-up/PoCs

HORIZON-JU-SNS-2024-STREAM-B-01-04

Budget 16 000 000 **Indicative number of grants** 2

Wireless Communication Technologies and Signal Processing – Standardisation and Follow-up/PoCs

HORIZON-JU-SNS-2024-STREAM-B-01-02

Budget 16 000 000 **Indicative number of grants** 2

System Architecture - Standardisation and Follow-up/PoCs

HORIZON-JU-SNS-2024-STREAM-B-01-01

Budget 16 000 000 **Indicative number of grants** 2

Communication Infrastructure Technologies and Devices – Standardisation and Follow-up/PoCs

HORIZON-JU-SNS-2024-STREAM-B-01-03

Budget 16 000 000 **Indicative number of grants** 2

Pillar II Global Changes and European Industrial Competitiveness

Digital, Industry and Space

Deadline date

14 May 2024 17:00:00 Brussels time

17 September 2024 17:00:00 Brussels time

HORIZON-JU-Chips-2024-2-RIA Topic 1 Global call according to SRIA 2023

HORIZON-JU-Chips-2024-2-RIA-T1

Budget 52 000 000 Indicative number of grants 20

Topic 1 Global call according to SRIA 2024

HORIZON-JU-Chips-2024-1-IA-T1

Budget 103 000 000 Indicative number of grants 20

Topic 2 Focus topic on “Sustainable and greener manufacturing”

HORIZON-JU-Chips-2024-2-RIA-T2

Budget 15 000 000 Indicative number of grants 2

Topic 2 Focus topic on “High Performance RISC-V Automotive Processors supporting SDV”

HORIZON-JU-Chips-2024-1-IA-T2

Budget 20 000 000 Indicative number of grants 2

Topic 3 Focus topic on “Service Oriented Framework for the Software Defined Vehicle of the future”

HORIZON-JU-Chips-2024-1-IA-T3

Budget 20 000 000 Indicative number of grants 2

Joint call with Korea

HORIZON-JU-Chips-2024-3-RIA

Budget 6 000 000 Indicative number of grants 6

European Quantum Excellence Centres (QECs) in applications for science and industry

HORIZON-EUROHPC-JU-2023-QEC-05-01

Budget 10 000 000 Indicative number of grants 2

Deadline date

06 June 2024 17:00:00 Brussels time

India-EU

HORIZON-EUROHPC-JU-2023-INCO-06-01

Budget 5 000 000 Indicative number of grant 1



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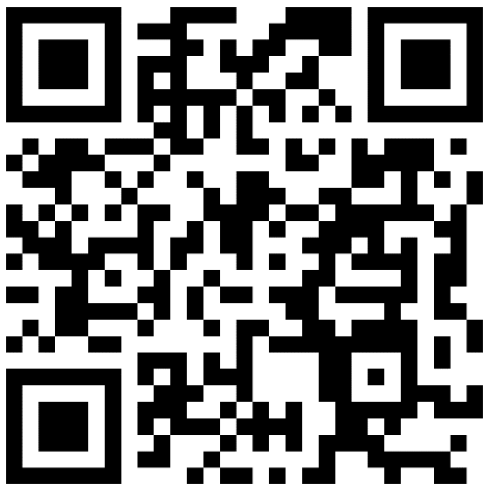
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Pillar II Global Changes and European Industrial Competitiveness

Climate, Energy and Mobility

20 calls that are open for funded
with the deadline of **April 17, 2024**



26 calls are open for funded
with the deadline of **April 18, 2024**

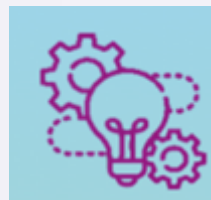


3 calls are open for funding
with a deadline for applications **May 7, 2024**

1. EU-RAIL – SNS SYNERGY: DIGITAL & AUTOMATED TESTING AND OPERATIONAL VALIDATION OF THE NEXT EU RAIL COMMUNICATION SYSTEM (HORIZON-ER-JU-2024-FA2-SNS). Details: <http://surl.li/sends>

2. DIGITAL AUTOMATIC COUPLER – TESTING TO SUPPORT DAC AUTHORISATION, MIX AND MATCH FOR DAC COUPLER HEAD AND DRAFT GEAR INTERCHANGEABILITY AND DAC HYBRID COUPLER FITTING SOLUTIONS (HORIZON-ER-JU-2024-FA5). Details: <http://surl.li/semzv>

3. HYPERLOOP – ROADMAP TOWARDS INDUSTRIALISATION AND HARMONIZED IMPLEMENTABLE CONCEPT (HORIZON-ER-JU-2024-FA7). Details: <http://surl.li/senid>



Financial Support under the EIC Booster Grant Scheme

HORIZON-EIC-2024-BOOSTER

Type of action

HORIZON-CSA HORIZON Coordination and Support Actions

Type of MGA

HORIZON Action Grant Budget-Based [HORIZON-AG]

Budget 6 000 000

Indicative number of grant 1

Opening date

16 January 2024

Deadline dates

17 April 2024 17:00:00 Brussels time

The objective of this action is to **organise and ensure the implementation of the EIC Booster Grant scheme**. The project implementing this action must provide financial support in the form of grants of a fixed maximum amount not exceeding EUR 50 000 to a booster grant project linked to an EIC pathfinder or EIC transition funded projects.

The European Social Innovation Competition 2024

HORIZON-EIC-2024-EUSIC-PRIZE-04

Type of action

HORIZON-RPr HORIZON Recognition Prize

Type of MGA

HORIZON Prize [HORIZON-PR]

Budget 150 000

Indicative number of grants 3

Opening date

09 April 2024

Deadline dates

11 June 2024 17:00:00 Brussels time

The European Social Innovation Competition (EUSIC) **aims at stimulating the potential of social innovation to provide solutions to societal challenges and to foster sustainable and inclusive growth in Europe**. This competition looks for new entrepreneurial solutions responding to the most burning social needs, creating social relationships and enabling new collaborations in an innovative way and bringing effective solutions to systemic social challenges.



The European Capital of Innovation Awards (Rising)

HORIZON-EIC-2024-ICAPITAL-PRIZE-02-2

Type of action

HORIZON-RPr HORIZON Recognition Prize

Type of MGA

HORIZON Prize [HORIZON-PR]

Budget 600 000

Indicative number of grants 3

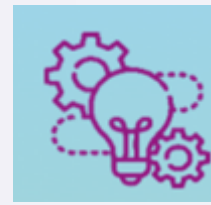
Opening date

05 March 2024

Deadline dates

18 June 2024 17:00:00 Brussels time

Cities are faced with most severe societal and sustainability challenges but do also have the means to develop, promote, and apply effective innovative solutions. They are the place where ideas, people, public and private actors meet and engage to improve the quality of life of citizens. They are the natural playground where breakthrough innovations flourish and nourish. They provide ground to experiment new technologies and products in a real environment, their interaction with people and their added value.



Pillar III Innovative Europe
European Innovation Council (EIC)

The European Capital of Innovation Awards (iCapital)

HORIZON-EIC-2024-ICAPITAL-PRIZE-02-1

Type of action

HORIZON-RPr HORIZON Recognition Prize

Type of MGA

HORIZON Prize [HORIZON-PR]

Budget 1 200 000

Indicative number of grants 3

Opening date

05 March 2024

Deadline dates

18 June 2024 17:00:00 Brussels time

The traditional city innovation ecosystem is opening up to new models of innovation engaging citizens, ensuring their involvement in the decision making process, and reinforcing democracy and rights. An increasing number of cities are acting as test beds for innovation and run people-driven initiatives to find solutions to societal challenges, such as climate change, digitalisation, sustainable growth or social cohesion, including through new endeavours such as nature-based solutions and EU Missions





EIC Accelerator 2024 - Short application
HORIZON-EIC-2024-ACCELERATOR-01

Type of action

HORIZON-EIC-ACC HORIZON EIC Accelerator

Type of MGA

HORIZON Lump Sum Grant [HORIZON-AG-LS]

Budget 675 000 000

Opening date

03 January 2024

Deadline dates

24 December 2024 17:00:00 Brussels time

The EIC Accelerator supports companies (principally SMEs, including start-ups) to scale up high impact innovations with the potential to create new markets or disrupt existing ones. The EIC Accelerator provides a unique combination of funding **from EUR 0.5 to EUR 17.5 million** and **Business Acceleration Services** (see [Section V of the EIC Work programme 2024](#)).





Startup Europe

HORIZON-EIE-2024-CONNECT-01-02

Type of action

HORIZON-CSA HORIZON Coordination and Support Actions

Type of MGA

HORIZON Action Grant Budget-Based [HORIZON-AG]

Budget 12 000 000

Indicative number of grants 6

Opening date

11 January 2024

Deadline dates

25 April 2024 17:00:00 Brussels time

This action will connect local digital and deep tech start-up ecosystems and support cross-border acceleration activities for start-ups that demonstrate traction (i.e. market-product fit or at least a seed round raised). Among the start-up ecosystems to be connected, specific attention will be given to the inclusion of ecosystems in ‘moderate’ or ‘emerging’ innovator countries and/or regions.

The African Union-European Union Innovation Platform

HORIZON-EIE-2024-CONNECT-01-01

Type of action

HORIZON-CSA HORIZON Coordination and Support Actions

Type of MGA

HORIZON Action Grant Budget-Based [HORIZON-AG]

Budget 2 500 000

Indicative number of grant 1

Opening date

11 January 2024

Deadline dates

25 April 2024 17:00:00 Brussels time

Strengthening Research and Innovation (R&I) cooperation between the African Union (AU) and the European Union (EU) is a key priority of the EU Communication Towards a comprehensive Strategy with Africa^[1], in which the role of R&I is recognised as a driver for sustainable and inclusive economic growth and job generation, thereby reducing poverty and inequalities.



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Hop on Facility

HORIZON-WIDERA-2023-ACCESS-06-01

Type of action

HORIZON-RIA HORIZON Research and Innovation Actions

Type of MGA

HORIZON Action Grant Budget-Based [HORIZON-AG]

Budget 40 000 000 (2023)

40 000 000 (2024)

Indicative number of grants 160

Opening date

10 January 2023

Deadline dates

28 September 2023 17:00:00 Brussels time

26 September 2024 17:00:00 Brussels time

The **Hop On Facility** integrates one additional participant from a Widening country to an ongoing project **under Pillar 2** or the **EIC pathfinder** scheme while topping up a relevant task or work package and the cost incurred by the additional participant. This will happen on a voluntary basis without affecting the freedom of choice for the consortium and the principle of excellence. **The Hop On Facility is open to all topics under Pillar 2 and the EIC pathfinder.** Applications with activities that contribute to the policy objective of the transition towards a green and digital economy are especially encouraged.



HORIZON EUROPE Office in Ukraine

*To get consultations on how to participate in the Horizon Europe Programme, please send written inquiries to the Office's mailbox:
horizoneurope.info@nrfu.org.ua*



Detailed information on current calls for proposals can be found on our website



horizon-europe.org.ua



www.facebook.com/HEOinUA



www.linkedin.com/company/heo-in-ua/



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horizoneurope.info@nrfu.org.ua



01001, Borysa Hrinchenka st.,1, Kyiv



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