



T.C. SANAYİ VE
TEKNOLOJİ BAKANLIĞI



TÜBİTAK



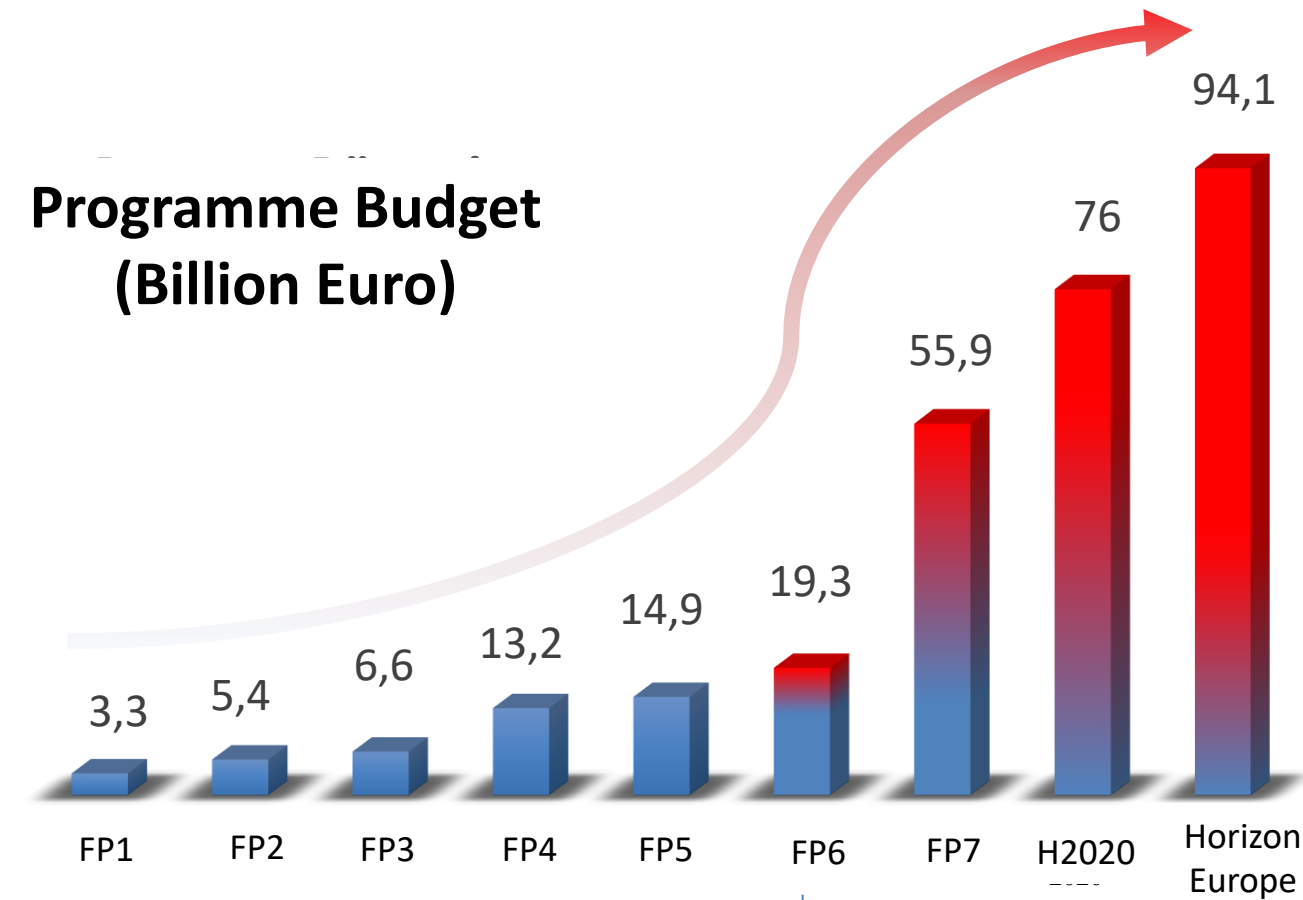
TÜBİTAK

Horizon Europe MSCA 2025 Calls Conference

Çağrı YILDIRIM
Head of EU Framework Programmes Department
TÜBİTAK

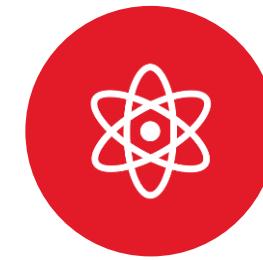
08.05.2025, Feza Gürsey Conference Room,
TÜBİTAK

What are the European Union Framework Programmes?



Participation of Türkiye (FP6 2002)

Million	FP6	FP7	Horizon 2020 (2014-2020)
National Contribution	185	261	265,5
Received Funding	59	208,9	297
Return of the National Contribution	%32	%80	%112



- The world's largest civilian research and innovation programmes by budget.
- Support scientific research, technological development, and innovation.



- The goal is to foster social and economic development.
- Aim is to strengthen research and technology capacities and encourage university-industry collaboration.



- Seeks to enhance cooperation across various policy areas of the EU.

With an estimated budget of €95.5 billion, Horizon Europe is a seven-year (2021–2027) research and innovation programme.



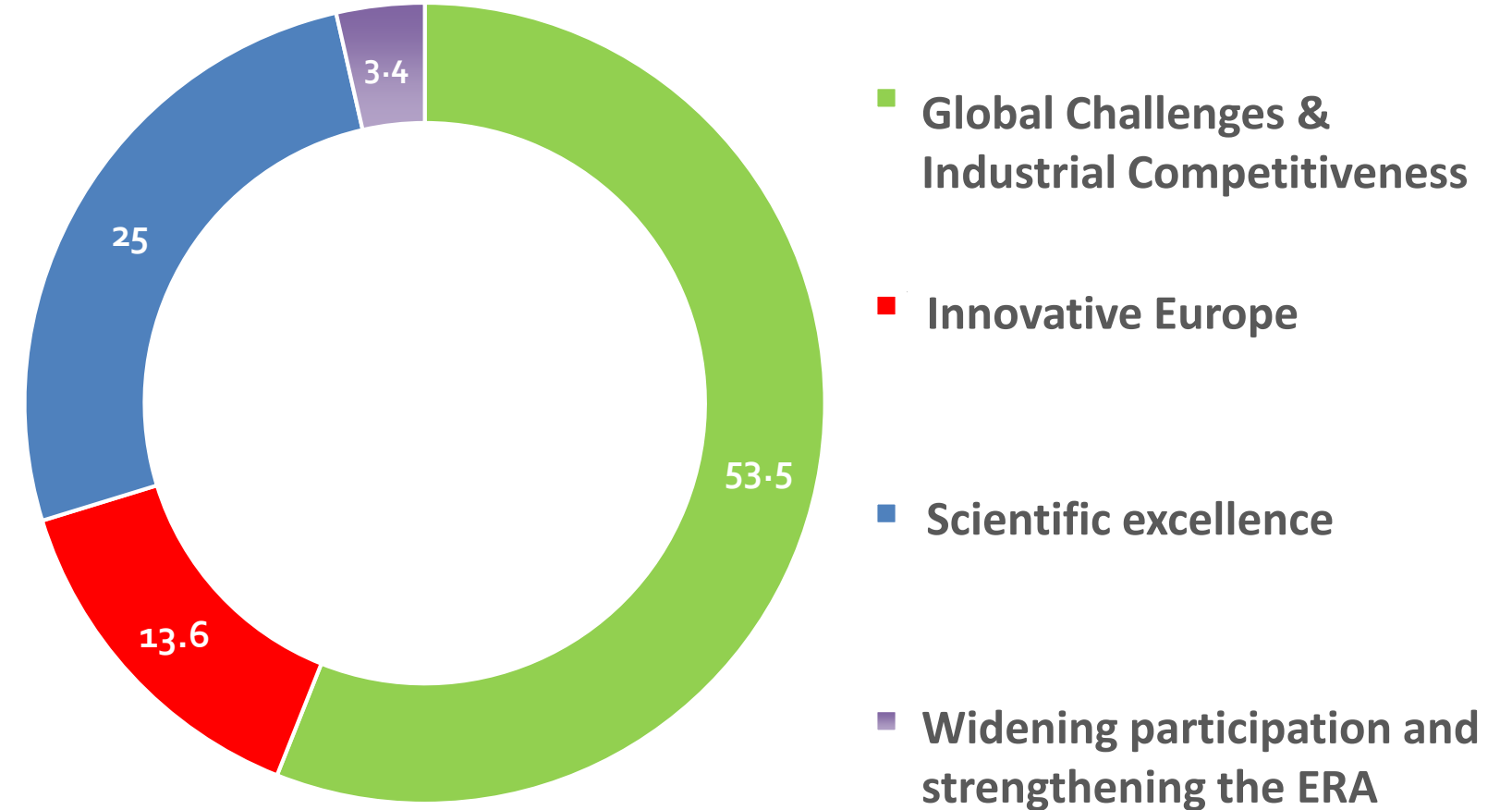
To strengthen Europe scientifically and technologically.



To enhance Europe's innovation capacity, competitiveness, and employment.



To address societal challenges and ensure the sustainability of socio-economic models and values.



Approaches centered around challenges that require solutions pursued jointly.



Knowledge &
Skills



Challenges
Requiring
Solutions



Co-Creation

Excellent Science

European Research
Council

MSCA Actions

Research Infrastructures

Global Challenges &
Industrial Competitiveness

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

Innovative Europe

European Innovation
Council

Innovation Ecosystems

European Institute of
Innovation and
Technology

Widening Participation & Strengthening ERA

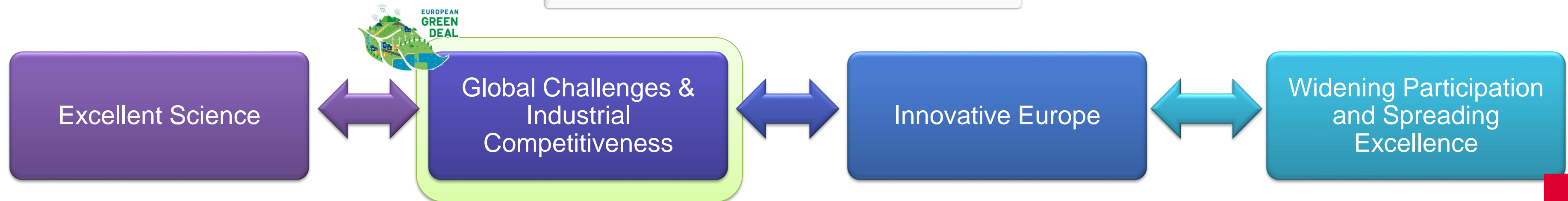
Spreading Excellence

Reforming and Enhancing the European R&I System

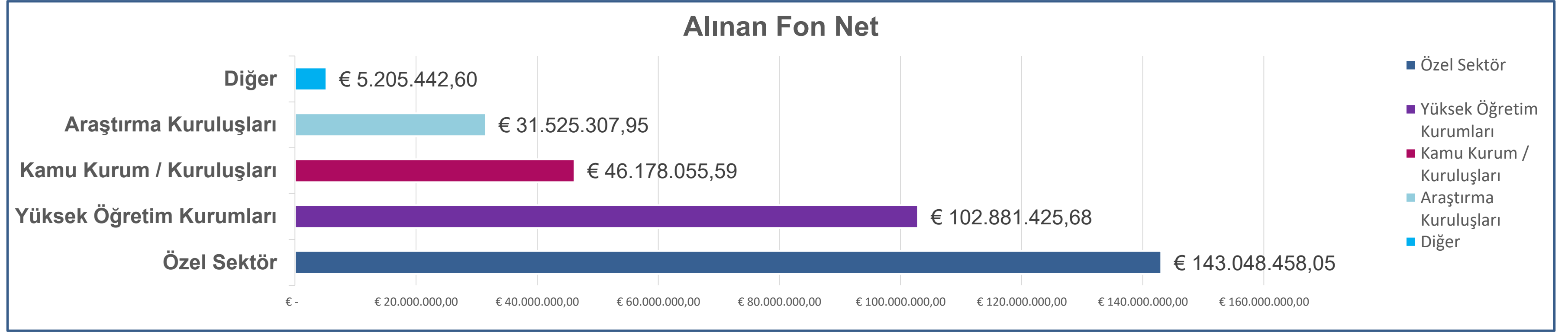


Current Performance of the Horizon Europe Programme

Across our ecosystem, **1,131 project implementers** have collaborated on **695 projects**, advancing the components of Horizon Europe through a shared vision of co-creation and success.



Current Performance of the Horizon Europe by Organisation Type



The Most Successful Turkish Industrial Enterprises	Funding Received (Million Euro)	The Most Successful Turkish Research Institutions	Funding Received (Million Euro)	Most Successful SMEs	Funding Received (Million Euro)
FORD OTOSAN	8.52	KOC UNIVERSITESI	20.58	SRDC	3.42
GE MARMARA	8.17	TURKIYE BILIMSEL VE TEKNOLOJIK ARASTIRMA KURUMU	16.61	ERGUNLER INSAAT	1.55
ARCELIK	6.75	ORTA DOGU TEKNİK UNIVERSITESI	16.11	ADBIOINK	1.53
TOFAS	5.18	SABANCI UNIVERSITESI SUNUM	8.50	DEMİR ENERJİ	1.52
TUPRAS	5.00	IZMİR YUKSEK TEKNOLOJİ ENSTITIUSU	7.26	HIDROPAR	1.37
ENERJISA	3.50	BILKENT UNIVERSITESI	7.09	BITNET	1.35
AIR LIQUIDE GAZ	3.49	SABANCI UNIVERSITESI	6.99	BIGTRI	1.33
SIRO SILK ROAD	3.03	ISTANBUL TEKNİK UNIVERSITESI	5.56	İND YAZILIM	1.18
FEV TR	2.24	BOGAZICI UNIVERSITESI	5.04	SMART KONTROL SİSTEMLERİ	1.15
ZORLU ENERJİ	2.18	YILDIZ TEKNİK UNIVERSITESI	4.89	YONGA TEKNOLOJİ	1.06



Excellent Science

EXCELLENT SCIENCE:

To strengthen and expand the EU's scientific foundation.

European Research Council(ERC)

- Funds frontier research by leading researchers and teams

Programme Budget:
€15 Billion



European Research Council
Established by the European Commission

Marie Skłodowska Curie Actions (MSCA)

- Empowers researchers through mobility and training

Programme Budget:
€6.6 Billion

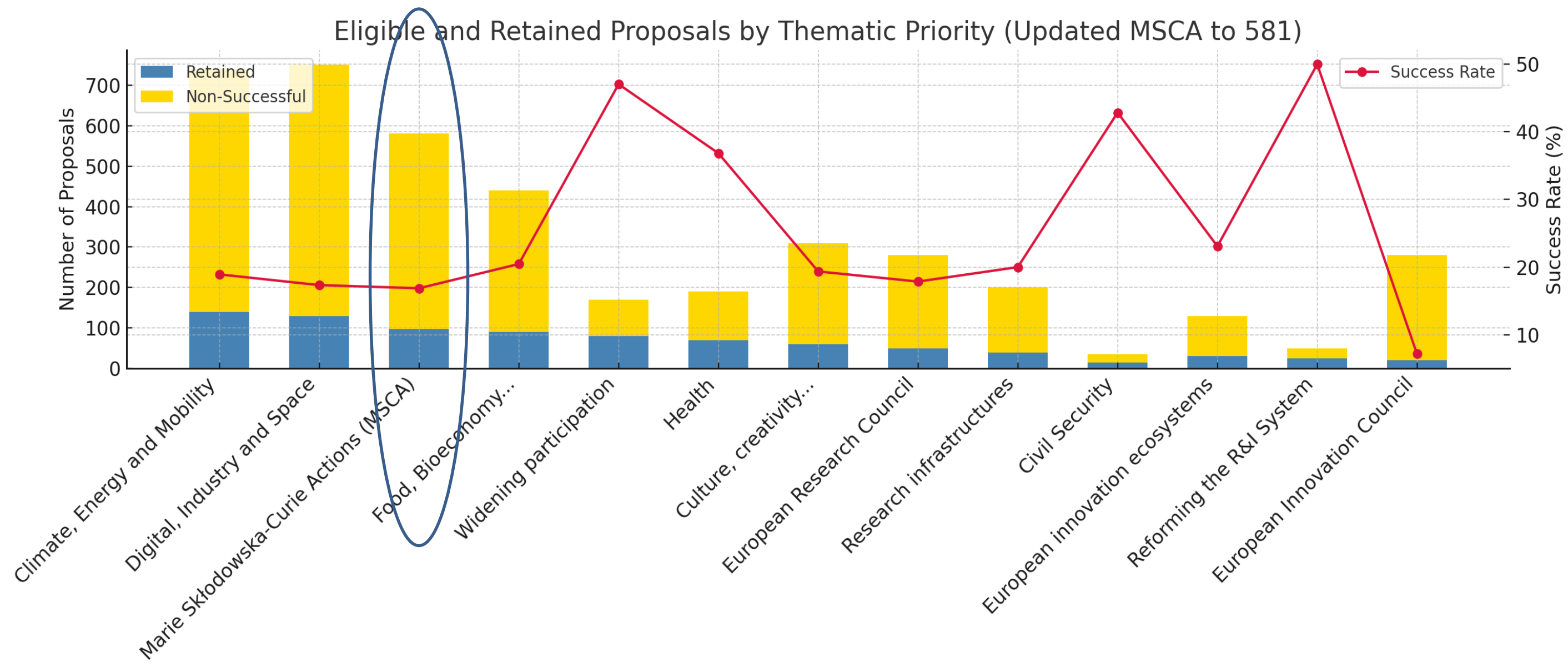


Research Infrastructures

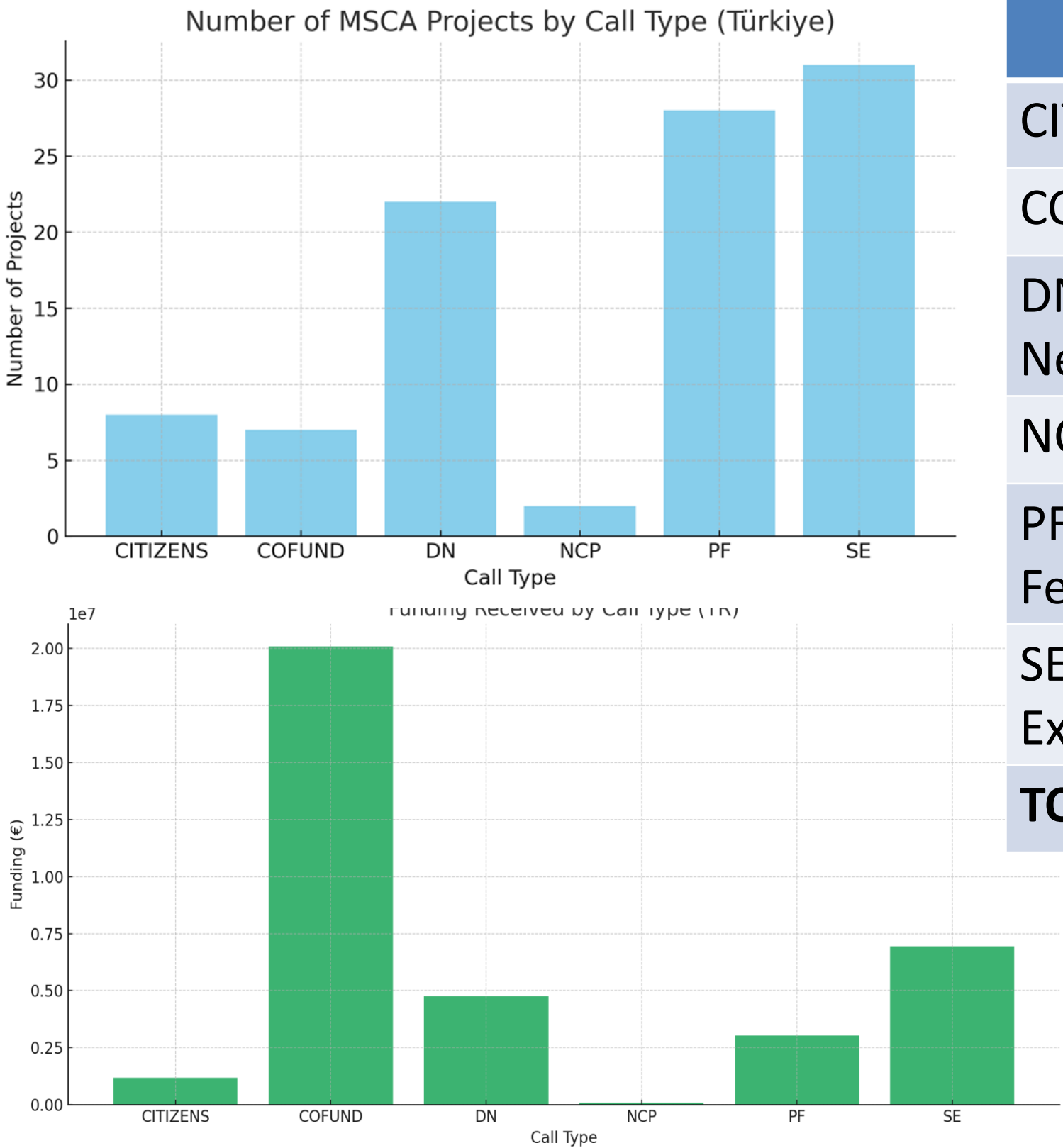
- Equips Europe with world-class sustainable research infrastructures and ensures that these infrastructures are open and accessible to the best researchers.

Programme Budget:
€2.4 Billion

Türkiye's Performance Overview by Actions Priority



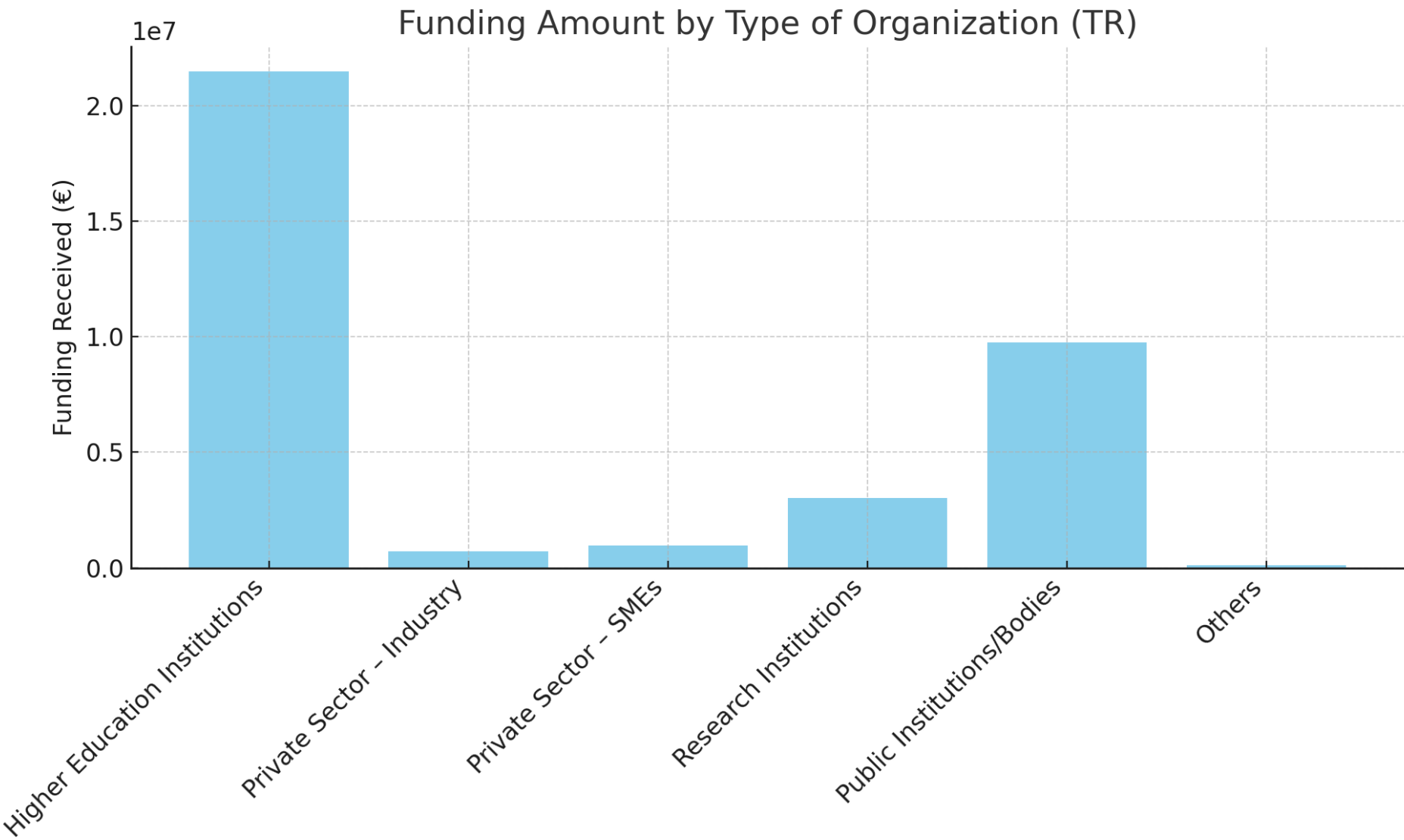
Number of Funded MSCA Projects from Türkiye



Call	Funding Received (€)	Number of Projects	Number of Participants
CITIZENS	€ 1,189,083.00	8	27
COFUND	€ 20,079,360.00	7	55
DN (Doctoral Networks)	€ 4,765,645.80	22	30
NCP	€ 79,500.00	2	2
PF (Postdoctoral Fellowships)	€ 3,030,539.16	28	29
SE (Staff Exchanges)	€ 6,936,800.00	31	58
TOTAL	€ 36,080,927.96	98	201



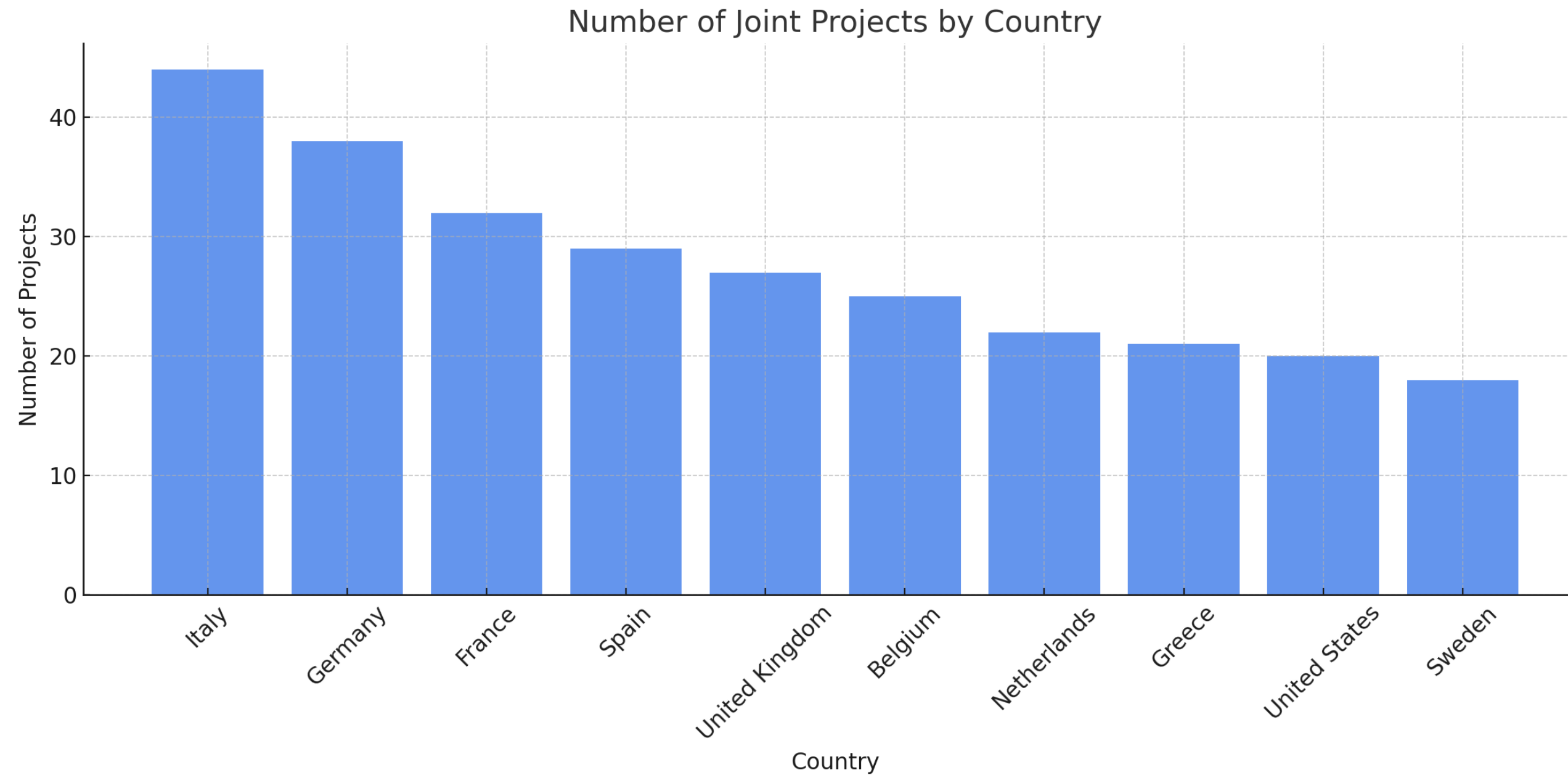
Number of Participants in Funded Projects of MSCA Calls in Türkiye



Top 5 Most Successful Turkish Institutions

Institution Name	Funds Received (€)
Izmir Institute of Technology	€ 4,725,752.40
Middle East Technical University	€ 3,604,733.88
Yildiz Technical University	€ 2,763,016.00
SUNUM	€ 2,292,480.00
Koç University	€ 1,710,258.36







Global Challenges & Industrial Competitiveness

Global Challenges & Industrial Competitiveness

To support key technologies and solutions that align with EU policies and the Sustainable Development Goals.



Health



Culture,
Creativity &
Inclusive
Society



Civil Security
for Society



Digital,
Industry &
Space



Climate,
Energy &
Mobility



Food,
Bioeconomy,
Natural
Resources,
Agriculture &
Environment

€53.5 Billion



PV4PLANTS: An AgriPV system with climate, water, and light spectrum control for the production of safer, healthier, and enhanced crops.

Start and End Date

1 December 2022 – 31 December 2025

Coordinator

Kalyon Güneş Teknolojileri Üretim A.Ş.

Budget

€4,907,018.75
(EU Contribution: €4,079,701)

Turkish Partners

Kalyon Güneş Teknolojileri Üretim A.Ş.,
METU GÜNDAM, TAT GIDA, YTU



PV4Plants aims to integrate photovoltaic (PV) panels into agricultural activities through an innovative agriPV technology that promotes synergy between the agriculture and energy sectors.

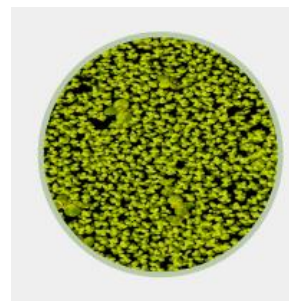


The objective is to enhance growing conditions and land-use efficiency while simultaneously producing renewable energy.



Bursa, Türkiye

The pilot site is an open field belonging to Tat Gıda, Turkey's largest tomato producer, where tomato and green pea seedlings are cultivated. The aim of this installation is to reduce energy and irrigation costs, making the water pumps and assembly line used for irrigation fully self-sufficient.



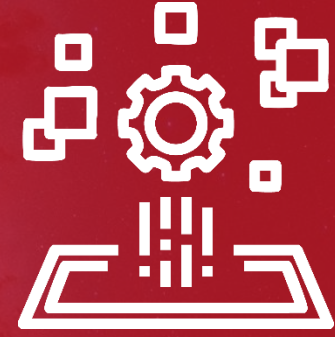
Avila, Spain

This is the world's first agriPV project designed to grow duckweed and microalgae species under innovative PV panels.



Høje-Taastrup, Denmark

Agricultural activities are carried out in 15 greenhouses and on 4.5 hectares of open field. The goal in this area is to increase energy efficiency by reducing water use, with field irrigation powered by electricity generated from the agriPV system.



Innovative Europe

To foster market-creating innovations and innovation-enabling ecosystems.

01. European Innovation Council

Supports breakthrough innovations with the potential to create new markets.

€10.1
Billion

02. European Institute of Innovation and Technology

Brings together key innovation actors, universities, the private sector, and research centers, around a shared goal through 9 different Knowledge and Innovation Communities (KICs).

€2.9
Billion

03. European Innovation Ecosystems

Aims to connect regional and national innovation actors to enhance collaboration and synergy.

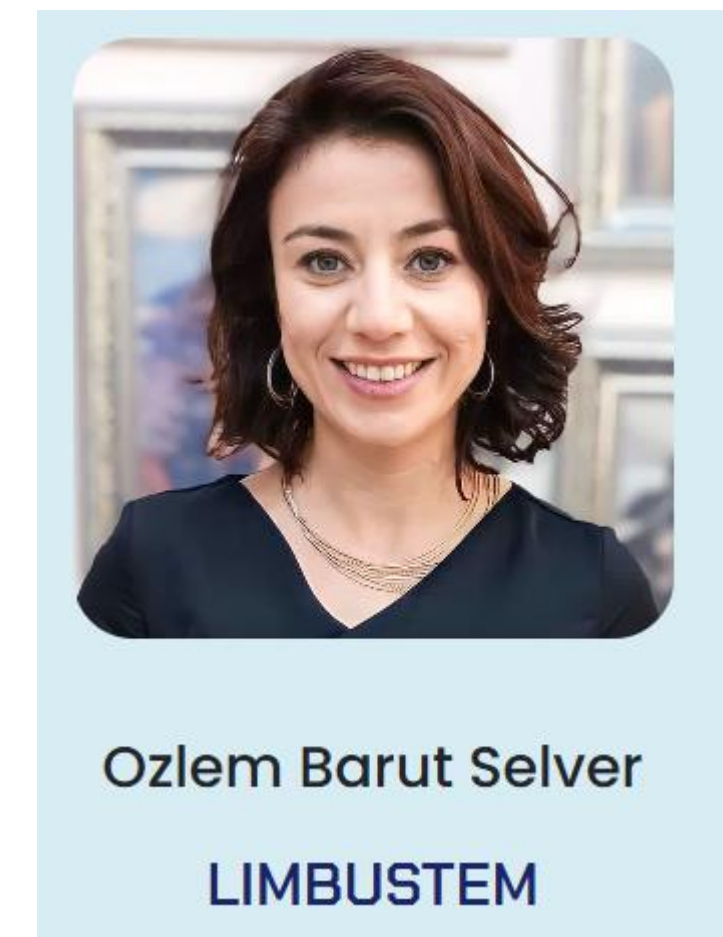
€520
Billion

Success Story



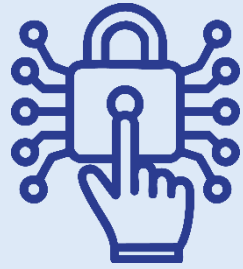
Prof. Dr. Rana Sanyal, Co-Founder and CSO of RS Research, a clinical-stage biotechnology startup developing smart nanodrugs enabling targeted chemotherapy, and a faculty member at the Department of Chemistry at Boğaziçi University, **has been awarded first place in the Women Innovators category.**

Limbustem, a company focused on developing advanced medical treatments in the field of ophthalmology, has been selected as one of the 40 projects supported under the second call of the Women TechEU programme. The company has been awarded €75,000 and is entitled to benefit from a 6-month personalized business development program.



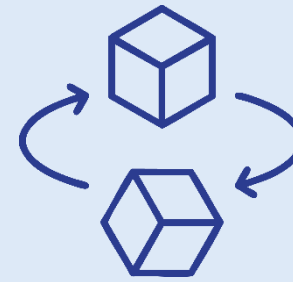
Widening Participation & Strengthening ERA (WIDERA)

The aim is to enhance the performance of “Widening countries”, including Türkiye, by aligning national and other EU funds, and supporting reforms in their R&D systems in accordance with the new ERA (European Research Area) priorities.



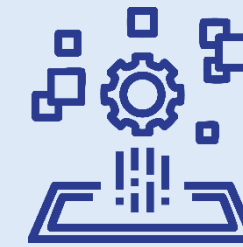
Improving Access to Excellence

- Teaming
- Twinning
- European Excellence Initiative
- Hop-on Facility
- Excellence Hubs
- **EIC pre-accelerator**



Attracting and Mobilizing the Best Talents

- ERA Chairs
- ERA Talents



Developing the European Research and Innovation System

- Open science, citizen science and science communication
- Gender equality
- Ethics and integrity
- Support to international cooperation
- Support for policy makers to ERA development
- Foresight

From Türkiye, the “**SolarHub**” project, coordinated by GÜNAM, aims to synergistically strengthen the solar energy innovation ecosystems of Greece and Türkiye in support of the Clean Energy Transition and the European Green Deal.

The project includes **a total of 21 organizations**, 11 of which are from Türkiye, with a total budget of **€2.2 million** allocated to Turkish stakeholders. More information:

<https://horizonsolarhub.eu/en/4555-about-us>



Another successful initiative is the TEAM-NANO project, coordinated by SUNUM (Sabancı University Nanotechnology Research and Application Center) which has been awarded **€9 million** in funding. Over a 6-year period, the project will focus on capacity building and synergy creation in the fields of micro-nano fabrication and flexible electronics. The planned project partners include the University of Southampton (UK) and Delft University of Technology (Netherlands).

To foster large-scale collaboration to tackle complex challenges that require systemic solutions.



Adaptation to Climate Change



Increasing resilience against the impacts of climate change, preparing for its growing effects, and researching behavioural changes and social dimensions.

The Mission Implementation Platform (MIP4Adapt)

<https://climate-adapt.eea.europa.eu/en/mission/the-mission/about-mip4adapt>



Cancer



Reducing the number of cancer patients, ensuring earlier diagnosis, minimizing the impact on patients, and improving quality of life during and after treatment.



Restore Our Ocean and Waters



Preventing, reducing, and eliminating marine pollution; transitioning to a circular and blue economy; adapting to ocean pollution and climate change impacts; sustainable use and governance of ocean resources; development of new materials; urban, coastal, and marine spatial planning; and ocean economy and governance.

Mission Ocean and Waters service portal

<https://projects.research-and-innovation.ec.europa.eu/en/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/eu-missions-horizon-europe/restore-our-ocean-and-waters/mission-ocean-and-waters-service-portal>



Climate-Neutral and Smart Cities



Achieving net-zero carbon emissions by 2030 through systemic transformation in 100 European cities.

Net Zero Cities Platform

<https://netzerocities.eu>



Soil Health and Food



Raising awareness about the importance of soils and developing solutions for soil health and soil functions.

Mission Soil Platform

<https://mission-soil-platform.ec.europa.eu/>

Horizon Europe Co-Funded Partnerships – Türkiye

Launched Co-Funded Partnerships

-  1.Clean Energy Transition Partnership (CETP) – TÜBİTAK
-  2.Driving Urban Transition Partnership (DUT) – TÜBİTAK
-  3.The European Biodiversity Partnership (Biodiversa+) – TÜBİTAK, **TAGEM**
-  4.Sustainable Blue Economy Partnership (SBEP) – TÜBİTAK
-  5.Fostering a European Research Area for Health Research (ERA4Health) – TÜBİTAK
-  6.Water Security for the Planet (Water4All) – TÜBİTAK
-  7.European Partnership on Innovative SMEs (Eurostars-3) – TÜBİTAK (1709 Support Programme)

Project Proposals to Be Launched Through Joint Calls

Long-Term Joint EU-AU Research and Innovation Partnership on Sustainable Energy (LEAP-SE)
Maritime Low Emission Network (MarLEN)

Launched Co-Funded Partnerships

-  8.European Partnership for Personalised Medicine (EP PerMed) – TÜBİTAK
-  9.Accelerating Farming Systems Transitions (AGROECOLOGY) – TÜBİTAK, **TAGEM**
-  10.European Partnership Animal health and Welfare (EUPAHW) – TÜBİTAK, **TAGEM**
-  11.European Partnership for Safe and Sustainable Food Systems (FutureFoodS) – TÜBİTAK, **TAGEM**
-  12.European Partnership on Rare Diseases (ERDERA) – TÜBİTAK, **ACIBADEM ÜNV., İBG**

Proposed Co-Funded Partnerships with Turkish Participation

- European Partnership for One Health/AMR Antimicrobial Resistance (AMR)
- Agriculture of Data (AGDATA)

Co-Funded Partnerships for the 2025–2027 Period

- Brain Health
- Forests and Forestry for a Sustainable Future
- Raw Materials for the Green and Digital Transition
- Pandemic Preparedness
- Resilient Cultural Heritage



Types of Funding



Research and Innovation Actions (RIA)

Actions aimed at generating new knowledge or exploring the feasibility of new or improved technologies, products, processes, services, or solutions.



Innovation Actions (IA)

Actions focused on the design and planning of new, modified, or improved products, processes, and services.



Coordination and Support Actions (CSA)

Actions that support the programme's objectives but are not themselves R&D or innovation activities.



Co-Funded Actions (Co-Fund)

Actions intended to fund programmes jointly developed by organizations that manage and fund R&D and innovation programmes.



Innovation and Market Deployment Actions (IMDA)

Actions embedded within innovation activities, aimed at scaling innovations already on the market (typically under EIC).



Training and Mobility Actions (TMA)

Actions supporting skills, knowledge, and career development of researchers through mobility across countries, sectors, or disciplines (typically under MSCA).



Pre-Commercial Procurement Actions (PCP)

Actions aimed at developing innovative new solutions to meet the needs of a group of end-users.

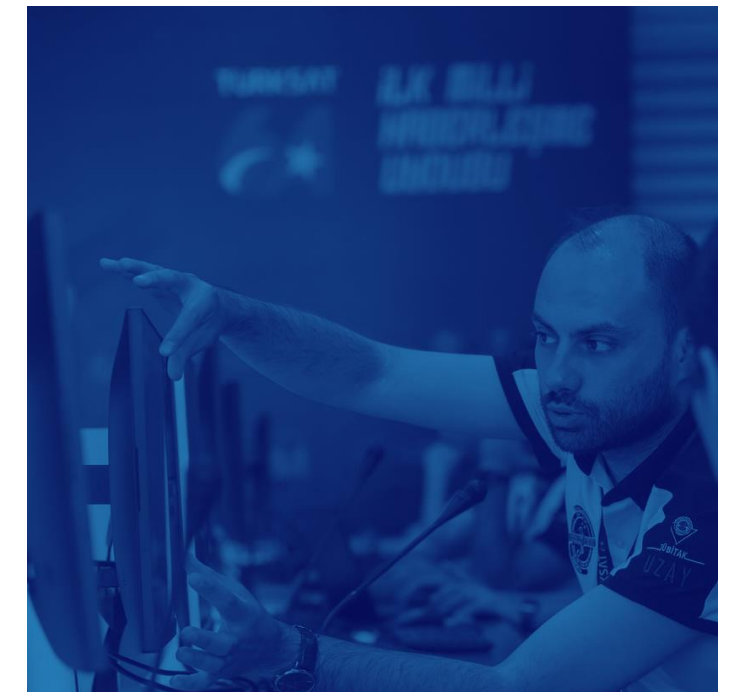
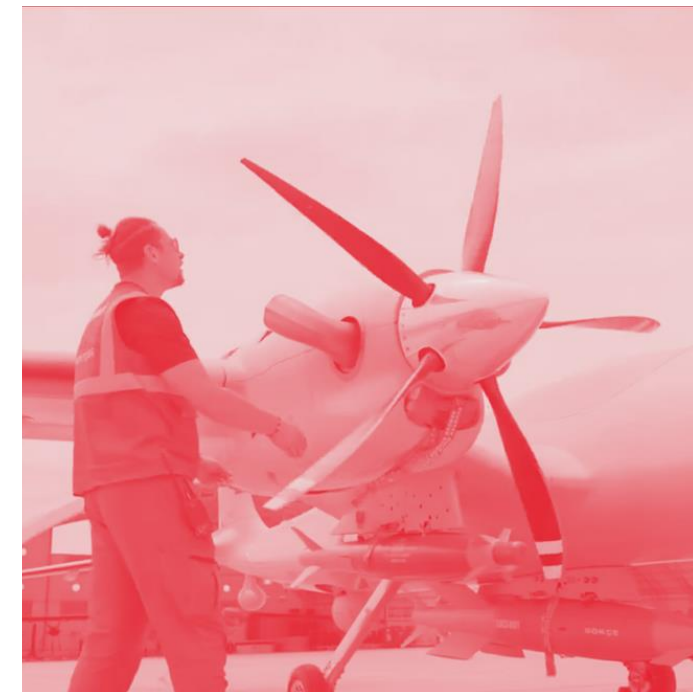


Public Procurement of Innovative Solutions (PPI)

Actions designed to enhance the capabilities of a group of end-users to develop early-stage innovative solutions.

Funding Rates

Type of Funding	Funding Rate
Research and Innovation Actions (RIA)	100%
Innovation Actions (IA)	Up to 70% (not for profit organizations 100%)
Coordination and Support Actions (CSA)	100%
Co-Funded Actions (Co-Fund)	30% - 70%
Innovation and Market Deployment Actions (IMDA)	Up to 70% (not for profit organizations 100%)
Training and Mobility Actions (TMA)	100%
Pre-Commercial Procurement Actions (PCP)	100%
Public Procurement of Innovative Solutions (PPI)	50%



Budget Items Covered by Funding

Eligible Cost Categories

Direct Costs

Personnel Costs

- Expenses calculated based on payroll wages and the time worked on the project.
- Covers staff already employed or newly hired/assigned specifically for the project by the partner organization.

Subcontracting Costs

- When one or more tasks under the responsibility of the beneficiary are outsourced to a supplier.

Purchase Costs

Travel and Subsistence

- Must comply with national legislation and internal institutional rules and practices.
- Documents published by the Commission containing unit per diem rates are not applicable.

Equipment

- Costs correspond to the depreciation value of machinery/equipment used during the project period.
- Unless under exceptional circumstances, only the portion used within the project timeline is eligible.

Other Goods, Work, and Services

- Includes consumables, event organization, printing and publishing, and open access fees.

Indirect Costs

- A flat-rate institutional contribution to cover costs that cannot be declared directly or are not directly attributed to the project.
- Calculated as 25% of total eligible personnel and purchase costs (excluding subcontracting).

National Contact Points

- Hüseyin Arif SAYILI
- Tuğçe ÇAĞLAYAN SOLAK
- ncpfinance@tubitak.gov.tr



Applications Online



- Funding & Tender Opportunities Portal

Consortium Structure (for R&D Projects)



- R&D projects: 1 EU Member + 2 Member or Associated Countries

Eligible Countries

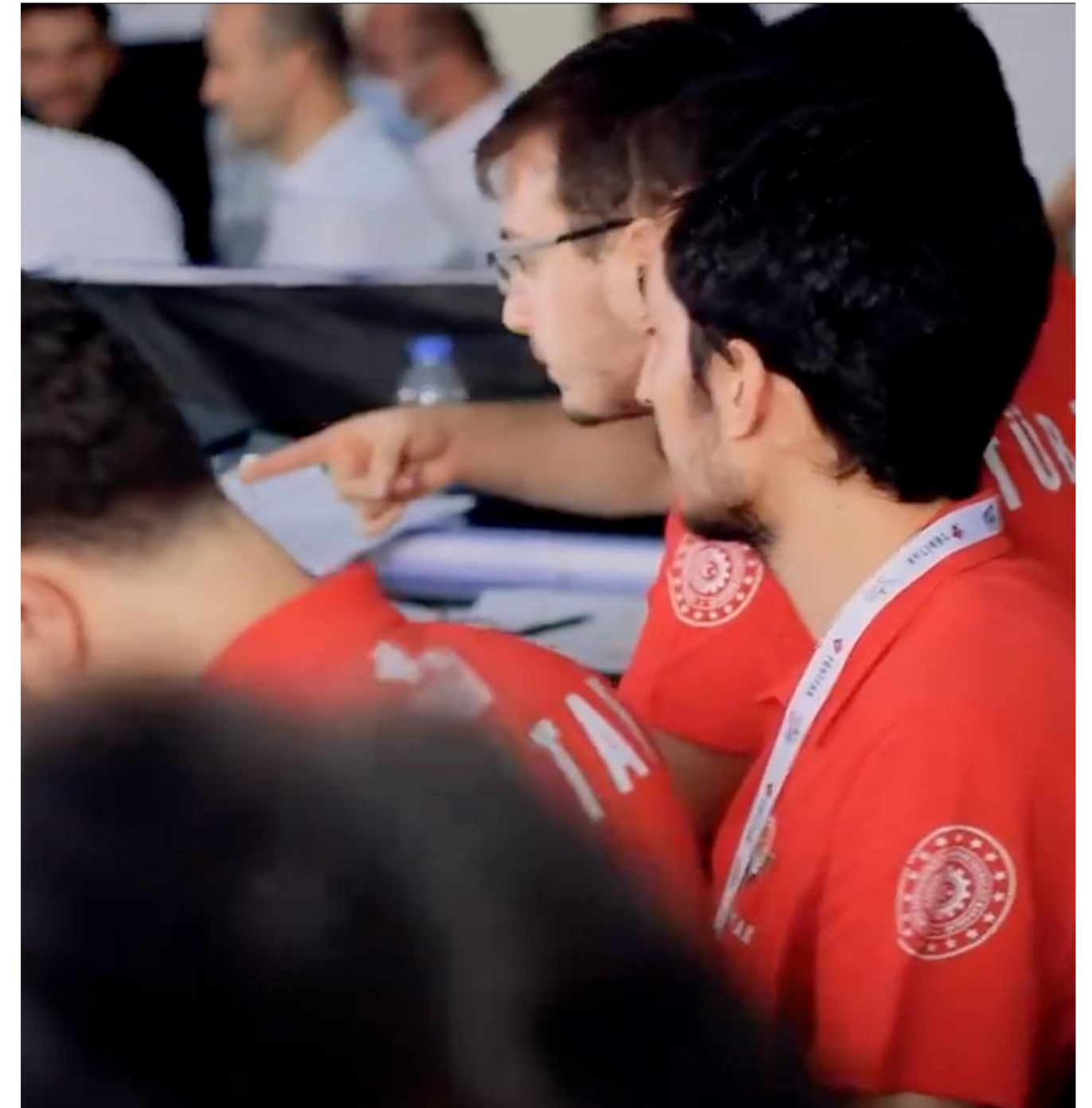


- Member States, Associated Countries, Low & Middle-Income Countries, Other countries deemed essential for the call

Special Cases

Affiliated entities established in eligible countries.

- EU Institutions
- International Organizations (IO):
 - International European research organizations are eligible for funding.
 - Other IOs are not eligible.
 - An IO located in a Member or Associated Country may be eligible for funding in education and mobility actions or if specified in the call conditions.



Gender Equality in Horizon Europe



Eligibility Criterion: Gender Equality Plan (GEP)

- Gender Equality Plan (GEP) is a mandatory requirement for all Horizon Europe calls with **deadlines from 1 January 2022 onwards**.
- Applies to **public institutions, research organizations, and higher education institutions established in EU Member States and Associated Countries**.
- Mandatory Elements of the GEP: **Must be publicly available, Dedicated resources must be allocated, Must include data collection and monitoring, Must provide for training and capacity-building activities**
- GEPs must be in effect by the time the grant agreement is signed and remain active for at least the duration of the project.
- The European Commission plans to **conduct audits for compliance**.



Evaluation Criterion: Integration of the gender dimension in the research and innovation content.



Ranking Criterion: In the case of a tie in scores, gender balance within the research team may be used as a tiebreaker.



Project Team: Gender balance should be aimed at all levels of the personnel involved during project implementation, including management and supervisory roles.



Desired Qualifications for Evaluators:

- Academics, researchers, representatives from industrial companies, SMEs, consultancy firms, NGOs Professional experience in the subject area of the project and at least a bachelor's degree
- Advanced experience in research, project management, and innovation
- Excellent written and spoken English skills
- Other aspects taken into consideration: gender balance, geographical diversity, inclusion of new experts, etc.

To Register as an Evaluator:

- Visit the following page and click on "Register as expert" to create your evaluator profile:
<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/work-as-an-expert>
- Select relevant keywords related to the topics you want to evaluate and fill in your profile as comprehensively as possible.

We Encourage the Successes of Our Ecosystem in Horizon 2020 and Beyond

Through TÜBİTAK Support Programs, we encourage ecosystem actors and **promote their success**.



Coordinator Support Program

- Support for organizing consortium-building travels and meetings, proposal writing-submission training, proposal writing services, and proposal pre-evaluation
 - ✓ Applications can be submitted up to 60 days before the deadline of the relevant call..
 - ✓ For two-stage calls and IEP calls, this period is 30 days.
 - ✓ For EIC full proposal calls, the period is 45 days.



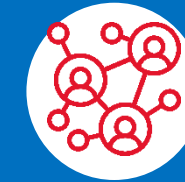
Travel Support Program

- Enabling project coordinator candidates to participate in project marketplaces, info days, consortium meetings, and other suitable events and activities.



International Researcher Travel Support

- Supports visits of foreign researchers with coordinator or ERC principal investigator/panelist experience to institutions located in Türkiye.



Network Membership Support

- Encouraging membership in networks that are effective in being included in project proposals and in determining priorities
 - ✓ Network membership support is open to continuous applications
 - ✓ Public institutions, universities, and SMEs can apply

Encouraging the Success of Our Ecosystem in Horizon 2020 and Beyond

Through TÜBİTAK Support Programs, we empower ecosystem actors and **encourage their achievements**.



ERC Principal Investigator
Development Program



MSCA Project Pre-Evaluation
Support

- Each year, 3 to 4 weeks before the closing date of the MSCA PF and MSCA COFUND calls, a targeted support call is announced.



Horizon Europe Website



USER-FRIENDLY

SUCCESS STORIES

NEW PAGES & CONTENT

MODERN DESIGN

- ✓ Mobile-Friendly Design
- ✓ Event Calendar
- ✓ News and Bulletins
- ✓ Open Call Announcements
- ✓ Missions and Partnerships

- ✓ Collaboration Map
- ✓ Integrated with IPA Project
- ✓ Thematic Program Pages

Horizon Europe Social Media Accounts



Channel	Account Name ***Links have been provided.	Account Launch Date
Instagram	UfukAvrupa_TR	May 2021
LinkedIn	TÜBİTAK Ufuk Avrupa Programı	March 2021
X	Tübitak Ufuk Avrupa Programı	August 2021
Facebook	UfukAvrupa_TR	February 2017
YouTube	TurkeyinH2020II	April 2019

Project Objective:

The main objective of the project is to strengthen Türkiye's capacity in the fields of science, technology, and innovation, and to facilitate Türkiye's integration into the European Research Area (ERA) by increasing the participation of the Türkiye Research Area (TARAL) in the Horizon Europe Programme. This project is the fourth in a series of projects previously carried out in Türkiye in relation to EU Framework Programmes. It started on 16 September 2024 and will end on 15 March 2028.

As the highest-budget Technical Assistance Project supported under the IPA III Programme, the “Technical Assistance for Türkiye in Horizon Europe” project plans to organize more than 200 events over a 42-month period for TARAL stakeholders across Türkiye. Among these are three large-scale international brokerage events.





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THANK YOU

TÜBİTAK | The Scientific and Technological Research Council of Türkiye

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