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Technical Assistance for Turkey in Horizon 2020 Phase-II
EuropeAid/139098/IH/SER/TR

Turkey in Horizon 2020 II

Horizon Europe Structure

An overview- What is in there for SMEs?

Grigoris Chatzikostas



REPUBLIC OF TURKEY
MINISTRY OF INDUSTRY
AND TECHNOLOGY



Grigoris Chatzikostas



- “ Managing multi-national and cross-sectoral consortia, **writing proposals for EU funding and coordinating large-scale projects** that promote tech-enabled entrepreneurship in various sectors such as agrifood, ICT, environment, health, manufacturing, entrepreneurship etc.
- “ **Training, coaching, mentoring and supporting researchers and innovators** on issues related to proposal writing for EU funding opportunities, project management of EU funded projects, IPR management and entrepreneurship, in countries such as Greece, Serbia, Lithuania, Bulgaria, Turkey, Tunisia, Poland etc

17yrs

Experience in EU
projects



1st position in
Serbia in attracting
H2020 funds

100+ m€

Total value of
projects managed



INTRO: WHY HORIZON EUROPE?



ELIGIBILITY



PILLARS



TYPES OF ACTION



MISSIONS



Q/A SESSION

INTRO: WHY HORIZON EUROPE?



Horizon Europe



The next EU research and innovation investment programme
(2021-2027) – (**95.5** billion Euros!)

A sustainable, fair and
prosperous future for **people**
and **planet** based on European
values.

- Tackling **climate change**
(35 % budgetary target)
- Helping to achieve **Sustainable Development Goals**
- Boosting the Union's **competitiveness and growth**

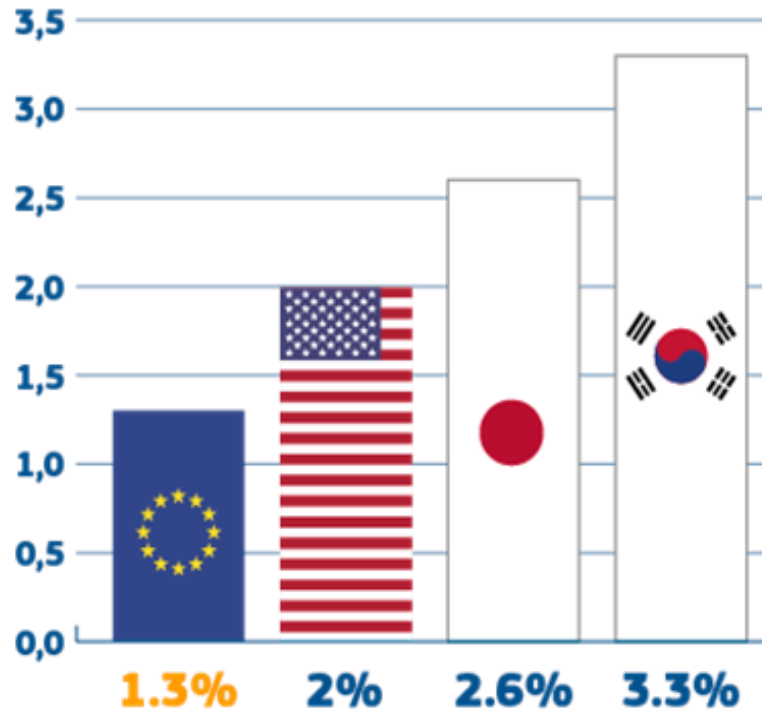


Some key figures about Europe:

- **7%** of the world's population
- **20%** of global R&D
- **1/3** of all high-quality scientific publications

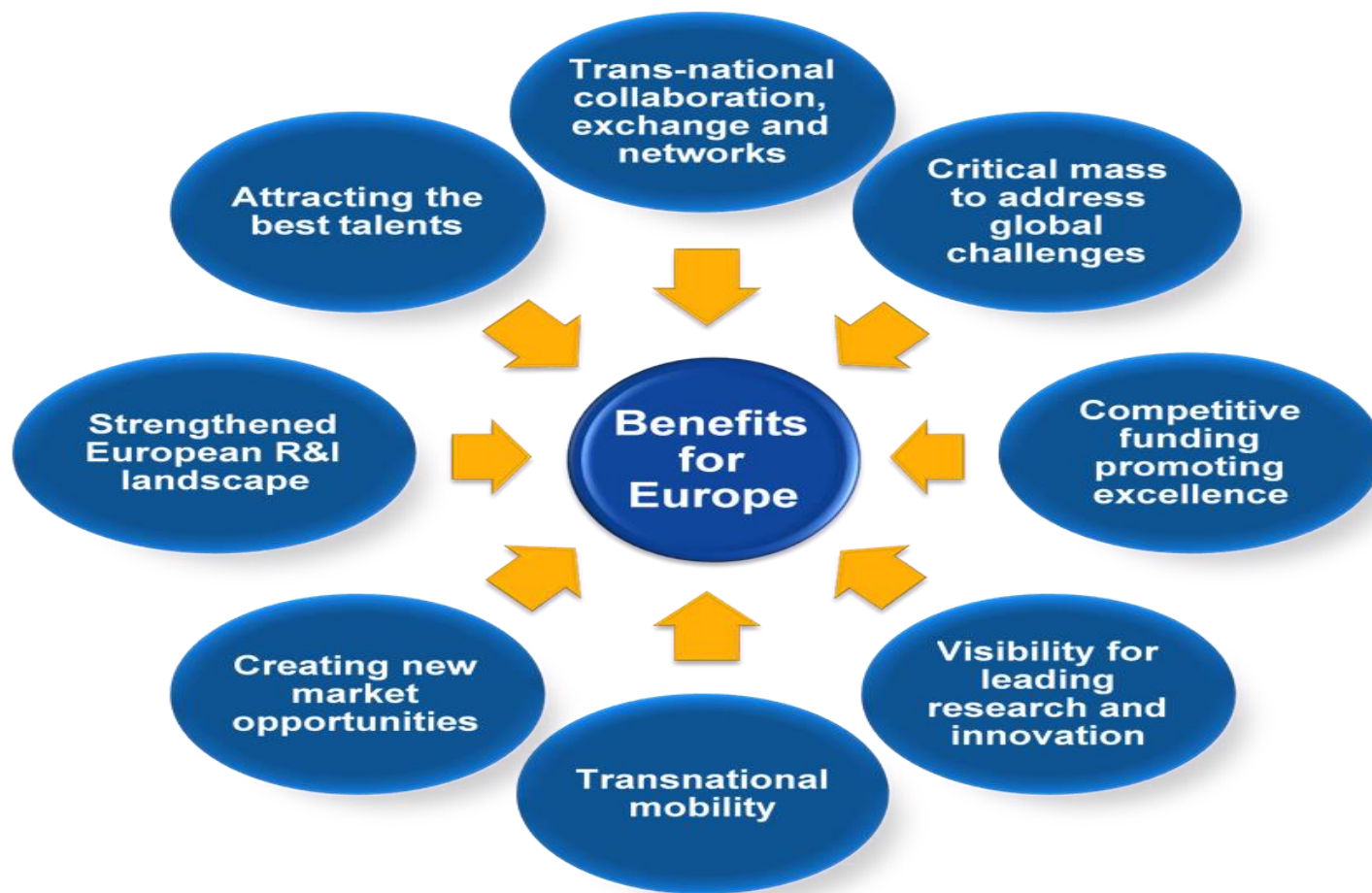


...Europe can do better at transforming this into leadership in innovation and entrepreneurship



Business R&D investment

Added value through Horizon Europe:



Keeping the EU at the forefront of global research and innovation

Horizon Europe will:

- **Maximise** its impact and deliver on the EU's strategic priorities, such as the recovery, green and digital transitions, and tackles global challenges to improve the quality of our daily lives;
- **Strengthen** excellent EU science and technology by increasing investment in highly skilled people and cutting-edge research;
- **Foster** the EU's industrial competitiveness and its innovation performance, notably supporting market-creating innovation via the European Innovation Council and the European Institute of Innovation and Technology;
- **Enhance** access to excellence for researchers across Europe to foster participation and collaboration, as well as promoting gender balance.



Up to €11 of GDP gains
over 25 years can be
potentially generated
by each euro invested
at EU level in R&I



Over 35%
of Horizon Europe
spending will
contribute to
climate objectives



To create
300.000 jobs
by 2040, of which
40% will be
highly skilled jobs

How does this relate to impact of specific H. Europe projects ?



Support breakthrough innovation > European Innovation Council: One-stop shop to bring the most promising ideas from lab to real world application and support the most innovative SMEs, including start-ups, to scale up their ideas.



Deliver targeted solutions to societal challenges together with citizens > EU missions: Ambitious, bold goals to tackle issues that affect our daily lives, ranging from fighting cancer to adapting to climate change, living in greener cities, ensuring soil health for food, nature, people and climate, and protecting our waters and ocean.



Rationalise the funding landscape > Streamlined approach to European Partnerships: Streamlined number of partnerships while encouraging wide participation of partners from public and private sectors.



Strengthen international cooperation > extended association possibilities: Extended openness to association for non-EU countries (third countries) with good capacity in science, technology and innovation.



Reinforce openness > Open Science policy: Mandatory open access to publications, open access to research data ensured. Use of European Open Science Cloud as appropriate.



Encourage participation and decrease the R&I gap in Europe > widening participation and spreading excellence: A wide spectrum of measures to support lower R&I performing countries, to build up excellence centres, to improve their capacity and facilitate collaborative links.



Increase the R&I impact > synergies with other EU programmes and policies: A set of practical solutions to implement Horizon Europe and relevant R&I-related programmes and policies in synergy, for example InvestEU, Erasmus+, EU Cohesion Policy, Digital Europe, European Structural and Investment Funds, Connecting Europe Facility, and the Recovery and Resilience Facility, to promote faster dissemination at national and regional level, and uptake of research and innovation results.



Reduce administrative burden > simpler rules: To increase legal certainty and reduce administrative burden for beneficiaries and programme administrators.



HORIZON EUROPE

EURATOM

SPECIFIC PROGRAMME: EUROPEAN DEFENCE FUND

*Exclusive focus on
defence research
& development*

Research
actions

Development
actions

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

Fusion

Fission

Joint
Research
Center

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

EXCELLENT SCIENCE:

reinforcing and extending the excellence of the Union's science base

European Research Council

- Frontier research by the best researchers and their teams

Marie Skłodowska- Curie Actions

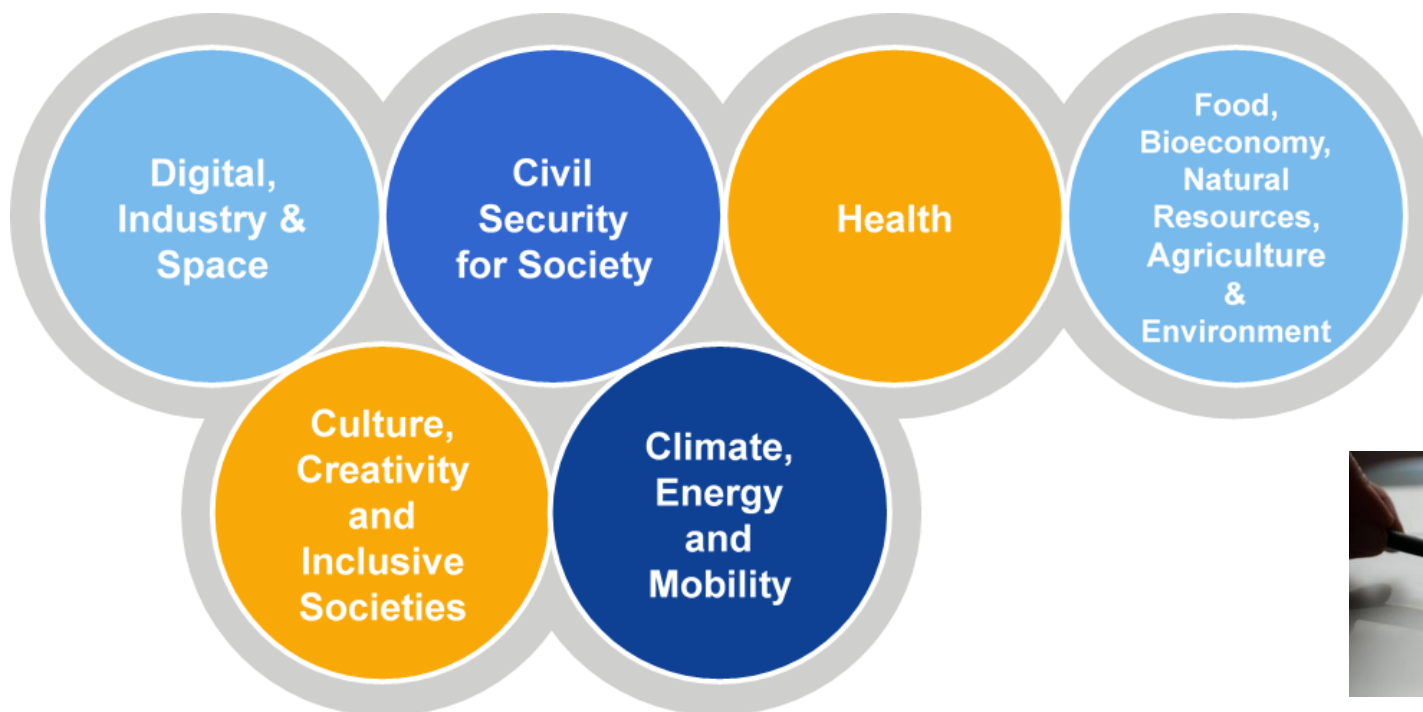
- Equipping researches with new knowledge and skills through mobility and training

Research Infrastructures

- Integrated and inter-connected world-class research infrastructures

Global Challenges & European Industrial Competitiveness:

boosting key technologies and solutions underpinning EU policies & Sustainable Development Goals



INNOVATIVE EUROPE:

stimulating market-creating breakthroughs and ecosystems conducive to innovation

European Innovation Council

- Support to innovations with breakthrough and market creating potential

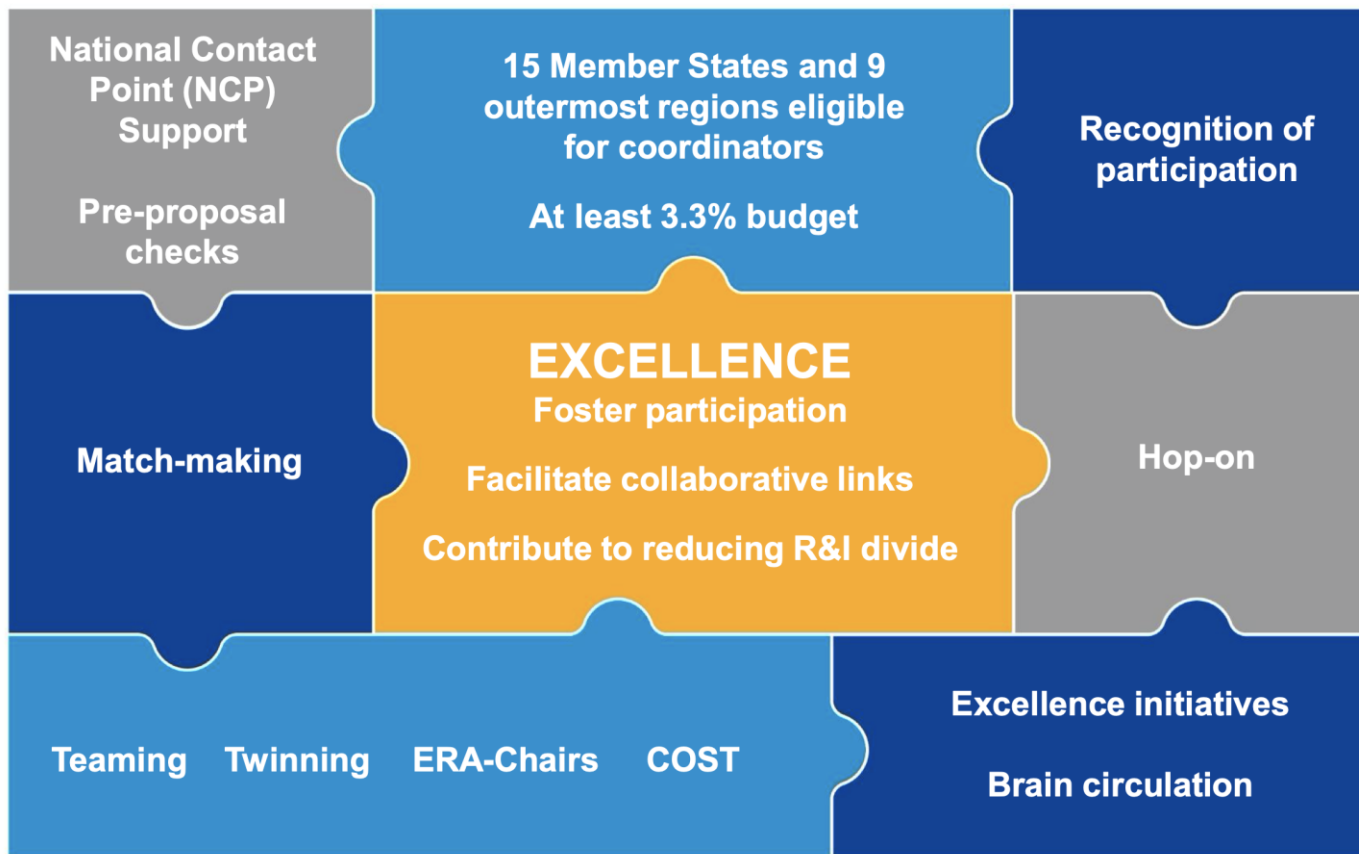
European Innovation Ecosystem

- Connecting with regional and national innovation actors

European Institute of Innovation and Technology (EIT)

- Bringing key actors (research, education and business) together around a common goal for nurturing innovation





Common understanding: At least 3.3 % of Horizon Europe budget

Stimulates more investment in research and innovation,
notably by the private sector; leverages and complements
national/regional initiatives

No market distortion: intervention only to address financing
gaps in the R&I delivery chain (notably due to high risk)



Support through:

- **InvestEU Fund**
- **InvestEU Assistance**
- **InvestEU Portal**

Leverages an estimated **€ 200 bn** of
investments into R&I; **market-based finance**
for the exploitation and scale-up of
European R&I





R&I Missions

R&I Missions

Relating EU's research and innovation better to society and citizens' needs; with strong visibility and impact

A mission is a portfolio of actions across disciplines intended to achieve a **bold and inspirational and measurable goal** within a set timeframe, with **impact** for society and policy making as well as relevance for a significant part of the European population and wide range of European citizens.

Horizon Europe defines mission characteristics and elements of governance, and 5 missions areas.

Specific missions will be programmed within the Global Challenges and European Industrial Competitiveness pillar (drawing on inputs from other pillars)

**Adaptation to climate
change, including societal
transformation**



**Healthy
oceans, seas,
coastal and
inland waters**



**Mission
areas**



Cancer

**Climate-neutral
and smart cities**



**Soil health
and food**



Missions in HE legal text (Regulation)

Definitions in the FP Regulation

(5) 'mission' means a portfolio of excellence-based and impact-driven R&I actions across disciplines and sectors, intended to:

- *achieve, within a set timeframe, a measurable goal that could not be achieved through individual actions*
- *have impact on society and policy-making through science and technology*
- *be relevant for a significant part of the European population and a wide range of European citizens;*

Budget for Missions?

- *there is no fixed budget for each mission.*
- *during the first 3 years of the programme, a maximum of 10% of the annual budget of Pillar II shall be programmed through specific calls for implementing the missions.*
- *only after a positive assessment of the mission selection and management process, this percentage may be increased.*
- *the missions will receive support over and beyond Horizon Europe funding.*

How will missions be implemented?

- Launch **specific calls** in Horizon Europe and other European or national funding programmes;
- Select and manage the Horizon Europe projects as a **portfolio** whose impact is greater than the sum of its parts
- Align the scope of **other parts of Horizon Europe**
- Align the scope of **relevant Commission programmes** to contribute towards the mission objectives
- Align the scope of **relevant national programmes** to contribute towards the mission objectives
- Identify **specific actions** to change/ improve the policy and regulatory context to **pave the way for the missions'**
- success
- **Combine efforts** with similar programmes in **countries outside of the EU.**

Chairs of the Mission Boards

Adaptation to Climate Change including Societal Transformation:

Ms Connie Hedegaard



Cancer:

Prof Harald zur Hausen



Healthy Oceans, Seas, Coastal and inland Waters :

Mr Pascal Lamy



Climate - Neutral and Smart Cities:

Ms Hanna Gronkiewicz - Waltz



Soil health and Food:

Mr Cees Veerman





Same general admissibility conditions

- Applications must be submitted before the call deadline, **electronically** via the Funding & Tenders Portal
- Applications must be **complete, readable, accessible and printable**, and include a **plan for the exploitation and dissemination of results**, unless provided otherwise in the specific call conditions.

Proposal page limit

Substantial reduction in maximum length:

- RIAs and IAs type of actions: limit for a full application is **45 pages**
- CSAs: limit is **30 pages**
- First stage proposals: limit is **10 pages**
- EIC Pathfinder: limit is **17 pages**
- Exceptions, if any, would be specified in the call text.

Consortium composition (collaborative projects)

- at least one independent legal entity established in a Member State, and
- at least two other independent legal entities each established either in a different Member State or an Associated Country.

Gender Equality Plan (applicable only from 2022 on)

Participants that are public bodies, research organisations or higher education establishments from Members States and Associated countries **must have a gender equality plan**, covering minimum process-related requirements.

- A self-declaration will be requested at proposal stage (for all types of participants).
- Included in the entity validation process (based on self-declaration)

Who is eligible for funding?



EU COUNTRIES

- Member States (MS) including their outermost regions
- The Overseas Countries and Territories (OCTs) linked to the MS.



NON-EU COUNTRIES

- Countries associated to Horizon Europe (AC)
- Low and middle income countries: See [HE Programme Guide](#).
- Other countries when announced in the call or exceptionally if their participation is essential



SPECIFIC CASES

- Affiliated entities established in countries eligible for funding.
- EU bodies
- International organisations (IO):



For the purposes of the eligibility conditions, applicants established in Horizon 2020 Associated Countries or in other third countries negotiating association to Horizon Europe will be treated as entities established in an Associated Country, if the Horizon Europe association agreement with the third country concerned applies at the time of signature of the grant agreement.

Specific situation of UK

- The UK is expected to soon become an associated country to Horizon Europe. UK entities can take part in the first calls for proposals of Horizon Europe
- The UK is associating to the full Horizon Europe programme with the only exception of the EIC Fund (which is the loan/equity instrument of the EIC).

Type of Action	Funding rate
Research and innovation action	100%
Innovation action	70% (except for non-profit legal entities, where a rate of up to 100% applies)
Coordination and support action	100%
Programme co-fund action	Between 30% and 70%
Innovation and market deployment	70% (except for non-profit legal entities, where a rate of up to 100% applies)
Training and mobility action	100%
Pre-commercial procurement action	100%
Public procurement of innovative solutions action	50%





Direct actions: research and innovation activities undertaken by the Commission through its Joint Research Centre (JRC)



Indirect actions: research and innovation activities to which the Union provides financial support, and which are undertaken by participants

- Research and innovation
- Innovation
- Innovation and market deployment
- ERC frontier research
- Training and mobility
- Programme co-fund
- Pre-commercial procurement
- Public procurement of innovative solutions
- Coordination and support
- Inducement prize
- Recognition prize



Action primarily consisting of activities aiming to establish **new knowledge** and/or to **explore the feasibility** of a new or improved technology, product, process, service or solution. This may include basic and applied research, technology development and integration, testing and validation on a small-scale prototype in a laboratory or simulated environment





Action primarily consisting of activities directly aimed at **producing plans and arrangements or designs for new, altered or improved products, processes or services**, possibly including prototyping, testing, demonstrating, piloting, large-scale product validation and market replication.





Actions embedding an innovation action and other activities necessary to **deploy an innovation in the market**, including the **scaling-up of companies**, providing Horizon Europe **blended finance** (a mix of grant-type funding and private finance)



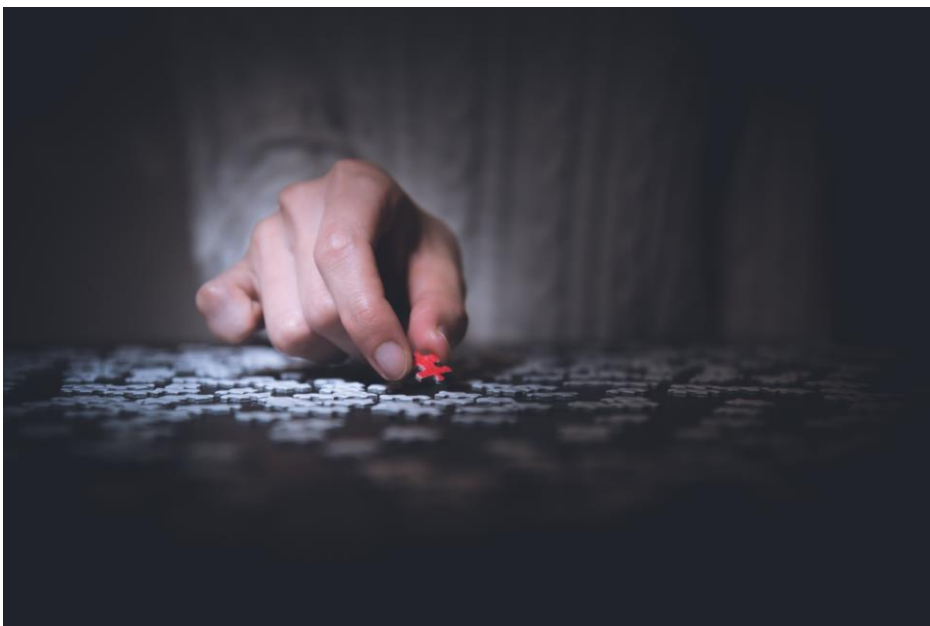


**Principal investigator-led
research actions, hosted
by single or multiple
beneficiaries (ERC only)**



Action geared towards improvement of **skills, knowledge and career prospects of researchers** based on mobility between countries, and, if relevant, **between sectors or disciplines.**





Action to **provide co-funding to a programme of activities established and/or implemented by entities managing and/or funding research and innovation programmes, other than Union funding bodies.** Such a programme of activities may support actions directly implemented by those entities **or by third parties to whom they may provide any relevant financial support** such as grants, prizes, procurement, as well as Horizon Europe blended finance.



Pre-commercial procurement: Action with the primary aim of **realizing pre-commercial procurement** implemented by beneficiaries that are **contracting authorities or contracting entities**.

Public procurement of innovative solution: Action with the primary aim of **realising joint or coordinated public procurement of innovative solutions** implemented by beneficiaries that are contracting authorities or contracting entities.



Action contributing towards the objectives of the Programme, excluding research and innovation activities, such as standardisation, dissemination, awareness-raising and communication, networking, coordination or support services, policy dialogues and mutual learning exercises and studies





Inducement prize: prize to spur investment in a given direction, by specifying a target prior to the performance of the work

Recognition prize: Prize to reward past achievements and outstanding work after it has been performed





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REPUBLIC OF TURKEY
MINISTRY OF INDUSTRY
AND TECHNOLOGY



Teşekkür ederim!

Thank you!



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COMPETITIVE
SECTORS
PROGRAMME



TÜBİTAK