



# FGT: Horizon Europe Batteries Calls

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TÜBİTAK EU Framework Programmes NCO

Cluster 5-Mobility

14/06/2021

# Horizon Europe Programme Structure



## 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

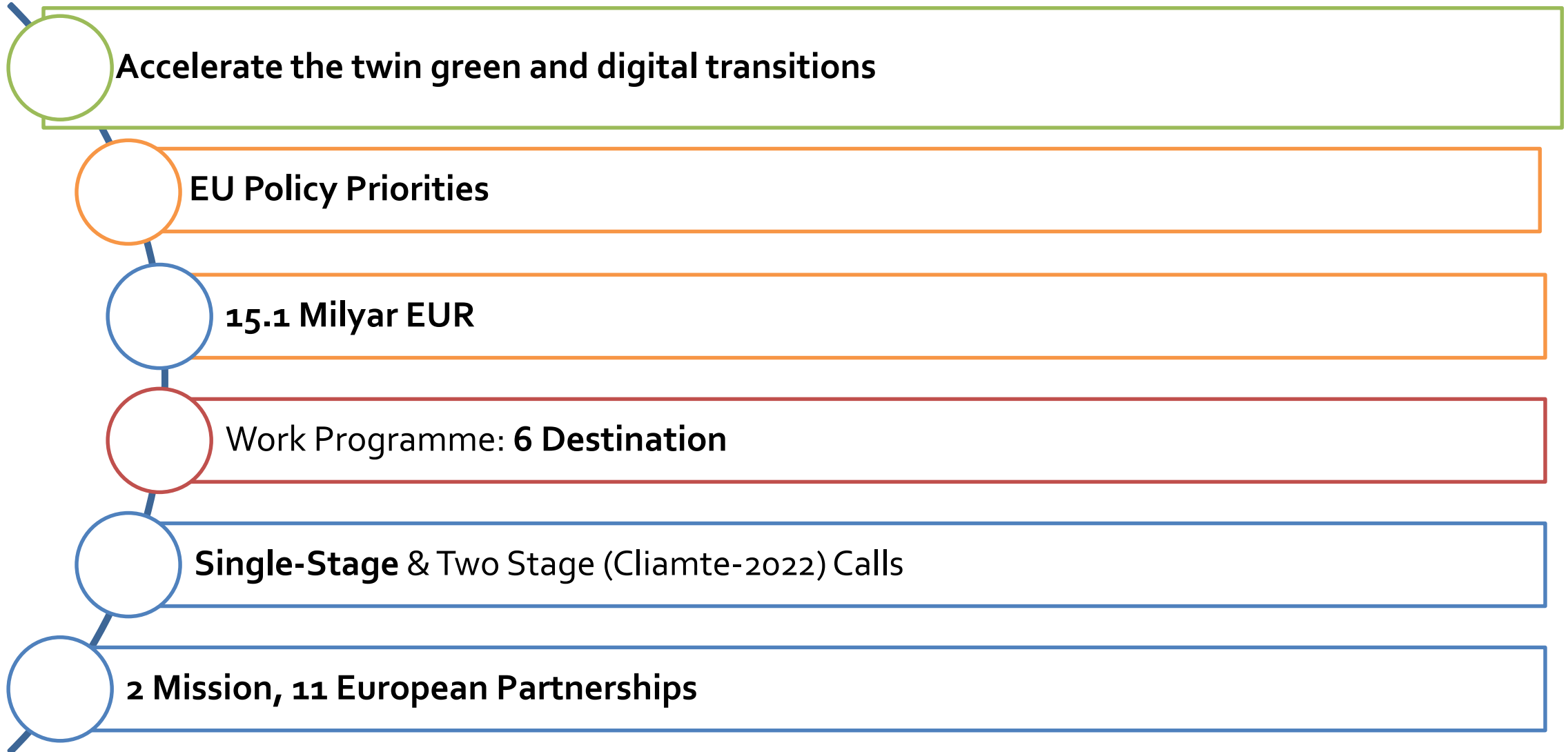
Widening participation & spreading excellence

Reforming & Enhancing the European R&I system

# Cluster 5: Climate, Energy & Mobility



## General Features



# Cluster 5 Work Programme- Overview



## Destination 1 Climate science

- Climate Science

## Destination 2 Cross cutting solutions

- **Batteries**
- Cities
- Breakthrough technologies
- Citizen and stakeholder engagement

## Destination 3 Energy supply

- Renewable energy
- Energy system, grids and storage
- CCUS
- Cross
- Cutting activities

## Destination 4 Energy demand

- Buildings
- Industry

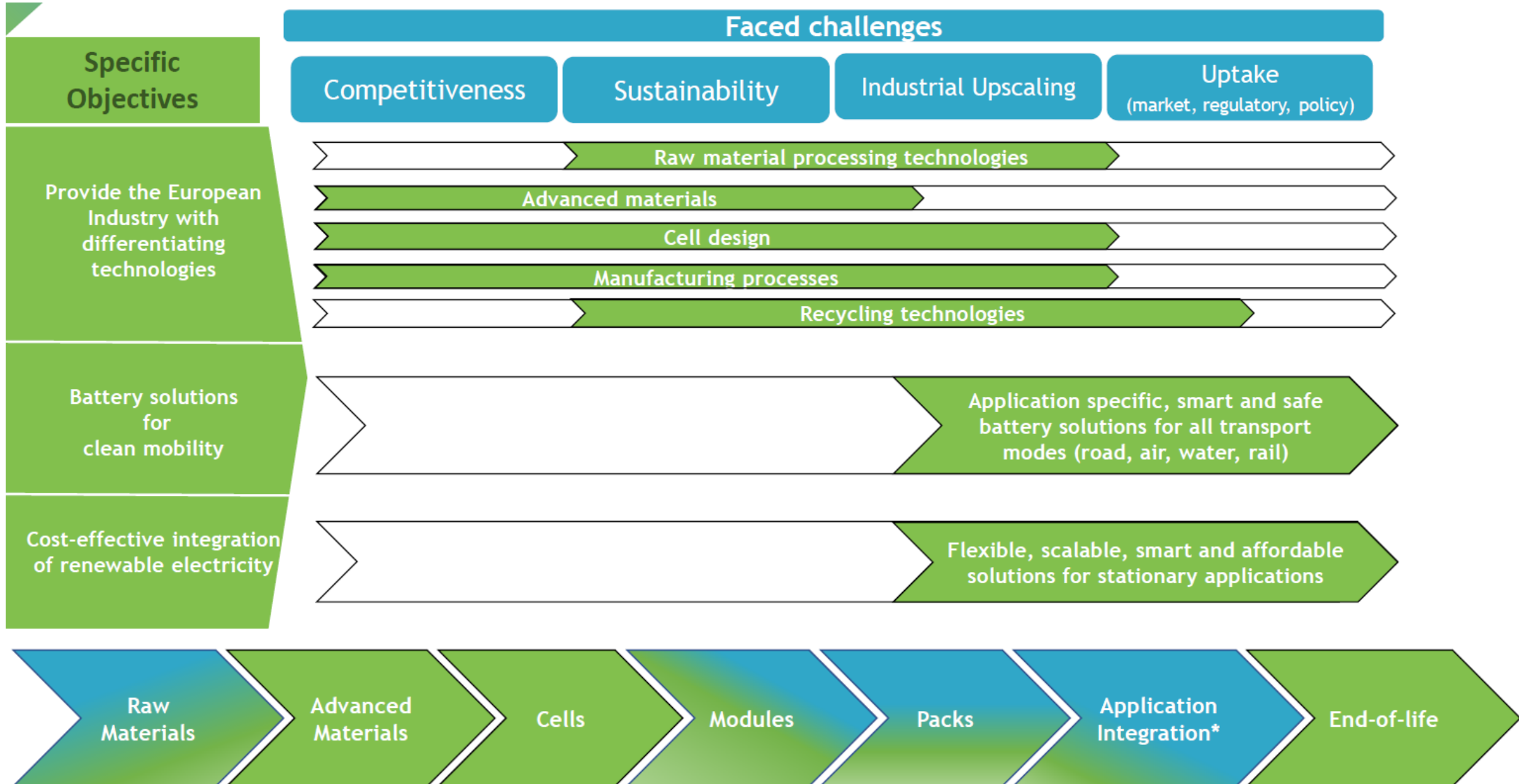
## Destination 5 Clean and Competitive solutions for all transport modes

- Zero-emission road transport (2ZERO)
- Aviation
- Waterborne transport (ZEWT)
- Transport related health and environmental issues

## Destination 6 Transport and Smart Mobility services

- Connected, Cooperative and Automated Mobility
- Multimodal and sustainable transport systems for passengers and goods
- Safety and resilience

# D2: Batteries European Partnership



# 1<sup>st</sup> Turkish International Event on Batteries

## 25.04.2019



### Battery Flagship and Related Battery Calls Advisory Group Meeting

25th April 2019 in Ankara TUBITAK headquarters

- The participants across Europe and Turkey found the chance to get first insight to new Battery Calls.
- The event also enabled the participants to seek out new networking and collaboration opportunities.



- Recent Developments in Integration of TARAL to ERA
- Battery 2030+: A Large Scale Research Initiative on Battery Technologies
- Battery Technologies in Turkey & Horizon2020 Battery Calls
- Batteries Europe – European Technology and Innovation Platform



TUBITAK- Batteries European Partnership Turkey Infoday and Association Mechanism Event



**BATTERIES | Towards a competitive European industrial battery value chain for stationary applications and e-mobility**

**A European Partnership under Horizon Europe**



- Introduce you the newly established **‘BATTERIES| Towards a competitive European industrial battery value chain for stationary applications and e-mobility’** Partnership
- Understand the **benefits** of the BATTERIES European Partnership
- Understand the **modalities of possible membership** to the BATTERIES European Partnership
- Early integration a number of relevant Turkish stakeholders to the BATTERIES European Partnership from the very beginning

# 2020 Next Generation Battery Calls-Great Success



**5**  
**New Project**

**10**  
**Organization**

**6.2**  
**Million EUR**



LC-BAT-10-2020:

Next generation and realisation of battery packs for BEV and PHEV

→ **ALBATROSS** (Advanced Light-weight BATteRy systems  
Optimized for fast charging, Safety, and Second-life applications)

Proje Koordinatörü



LC-BAT-10-2020:

Next generation and realisation of battery packs for BEV and PHEV

→ **HELIOS** (High-pErformance moduLar battery packs for sustainable urban electrOmobility Services)

→ **MARBEL** (Manufacturing and Assembly of Modular and Reusable EV Battery for Environment-Friendly and Lightweight Mobility)



LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport

→ **SEABAT** (Solutions for largE bAtteries for waterBorne transport)



LC-BAT-14-2020 - Self-healing functionalities for long lasting battery cell chemistries

→ **BAT4EVER** (Next-generation lithium-ion batteries that can heal themselves)



ALBATROSS → Advanced Light-weight BATteRy systems  
Optimized for fast charging, Safety, and Second-life applications

Leading the electric and hybrid-electric passenger vehicle market with innovative solutions

CO-CREATION FOR  
OPTIMIZED BATTERY SYSTEMS



21  
INSTITUTIONS

10  
DIFFERENT COUNTRIES

Modular

Lightweight

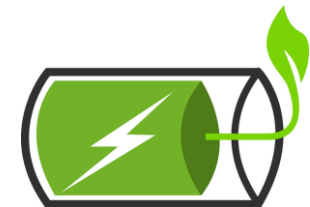
Increased range

New generation thermal management systems

Fast charging

Cost-effective

Efficient and reliable battery systems



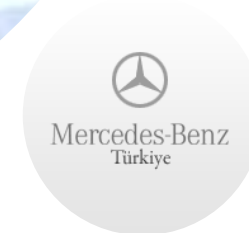
# Co-Creation for Advanced, Lightweight and Optimized Battery Systems



Source: LC-BAT-10-2020



INND Batteries B.V.



# Support and Award Programmes



Main goal of the Programme is to increase European Union Framework Programmes return rate and success of Turkey in it.



## Networking

- Trust relations among Turkish and European research and innovation actors

## Participation

- Enable more new comers to access to consortia

## Quality








- Increase the scientific, implementation, impact quality of proposals

## Leadership

- More leading roles in research and innovation consortia

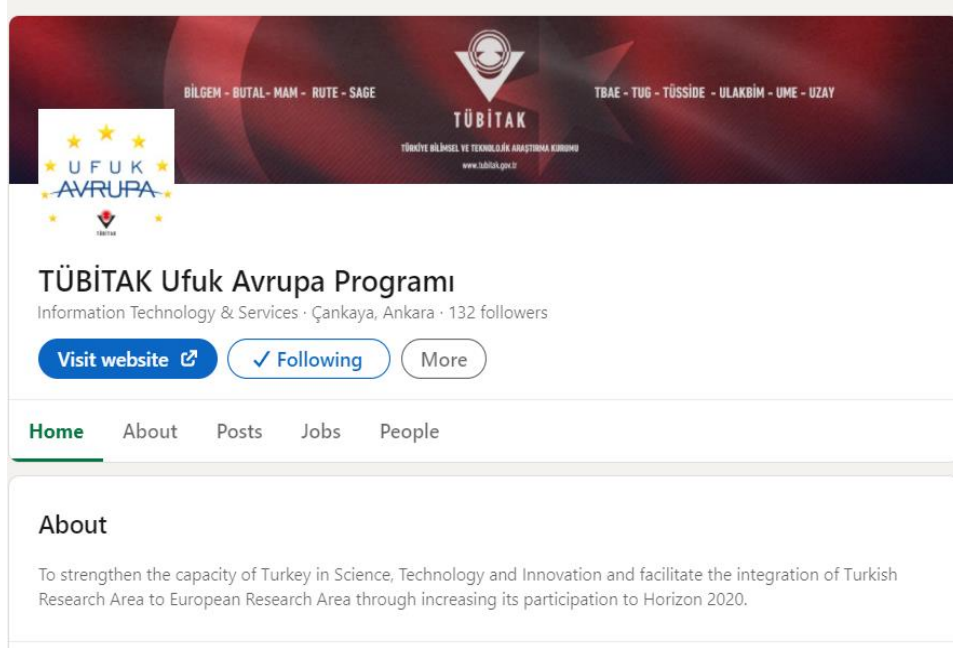
## Encouragement

- Fairly award effort and success

Support and Award Programmes for EU FPs			
	Objective	Scope	Amount
Travel Support 	Involvement in consortia	Plane tickets, accommodation and inner-city transportation, conference fee, visa expenses, departure fee, daily allowance	Max. 1.500€/Travel
ERC Principal Investigator 	Improving the quality of ERC projects	Training for preparing and submitting project proposals, pre-evaluation service, interview rehearsal support	Max. 16.500€/Project
Marie-Curie Pre-evaluation 	Improving the quality of Marie-Curie Individual Projects (IF, COFUND)	Improving the project proposal form	Max. 8.000€/Project
Coordinators Support 	Increasing the number of coordinators in multi-partner projects and SME projects	Training for preparing and submitting project proposals, pre-evaluation service, project writing service, organization support, travel Support	Max. 33.000€/Project
Support for the Membership to the Networks 	For inclusion in project proposals and encouragement of membership in networks that are effective in setting priorities	Entrance or membership fees for the relevant year.	Max. 15.000€/Network
Travel Support for Researcher Living Abroad 	To visit organizations located in Turkey by the project managers of the coordinator institutions and ERC principal investigator/panelists living abroad	Plane tickets, accommodation and inner-city transportation, conference fee, visa expenses, departure fee	Max. 1.500€/Travel
Above-Threshold Award 	Promoting success and re-application, Increasing the budget share	All project partners with above-threshold scores	20.000 TL/Project on average



# Horizon Europe: Social Media Accounts



<https://www.linkedin.com/company/t%C3%BCbi%CC%87tak-ufuk-avrupa-program%C4%B1/>



[https://twitter.com/UfukAvrupa\\_TR](https://twitter.com/UfukAvrupa_TR)





# IPA II - "Turkey in Horizon 2020 – Phase II" Project



In order to support our ecosystem to achieve new successes, training activities, project evaluation services and the development of cooperation networks were provided.



HOME

SERVICES

NEWS

EVENTS

HELPDESK

IMS

CONTACT



Trainings

Consultancy  
and Project  
Evaluation

Networking

Increase the  
success of  
our  
ecosystem

TURKEY in  
**HORIZON 2020**  
COOPERATION, INNOVATION, COMPETITIVENESS

IPA III 2021/2022

"Turkey in Horizon Europe"

HORIZON EUROPE

The New EU  
Framework Programme for  
Research and Innovation  
2021-2027



# International Brokerage Events and International Study Visits



## International Brokerage Events



## International Study Visits

*Examples of International Brokerage Events:*

**ICT Turkey** | Istanbul, 5 June 2019



*Examples for Study Visits*

**Germany**

(28-30 Jan 2020)

Robotics, Smart Manufacturing Technologies  
Microelectronic



Deutsches Forschungszentrum für Künstliche Intelligenz  
German Research Center for Artificial Intelligence






**Cities of the Future** | Brussels, 8 November 2019



# Communication Channels



 **TURKEY in HORIZON 2020**

HOME SERVICES NEWS EVENTS HELPDESK IMS CONTACT  

**HELPDESK**

**VISIT OUR HELPDESK!**

Download event presentations, IPR guides and ask questions regarding your Horizon 2020 proposals and projects.

**WELCOME TO THE OFFICIAL PAGE OF "TURKEY IN HORIZON 2020" PROJECT!**

//Response of EC to COVID-19 Pandemic//

European Commission has introduced a new [European Research Area \(ERA\) corona platform](#) for information on related research & innovation! You can follow all latest developments there.

//New publications on the EIC Accelerator - a first for Turkey!//

The Turkey in Horizon 2020 Phase II project has produced a leaflet giving a basic outline of Accelerator and a 24 page Guide which sets out the objectives, requirements and processes involved in more detail. We believe the Guide is the first publication to draw together detailed information for SMEs interested in applying. The English versions of the Guide and the leaflet may be obtained from our [helpdesk page](#). Versions in Turkish will be available soon.

// Download our [Intellectual Property](#) and [Legal & Financial Guides for Turkish Participants](#) / Available in English and Turkish //

**IPR, Legal & Financial Helpdesk**

**Latest News**

WEB6 - "New EIC Programme - What's in it for SMEs"

08.06.2023

Open Science & Research Data Management in Horizon Europe Webinar

14.03.2023

Hazze Horizon Europe Cluster 6 Info Day Event

10.03.2023

WEB7 - "European Commission Terminology used for Accelerator Bids"

10.03.2023

[Support](#)

<https://turkeyinh2020.eu/>



**TurkeyinH2020**

@TurkeyinH2020 · Seni takip ediyor

We are here to support Turkish public and private organisations, industry and SMEs to maximise their benefits from Horizon 2020, the EU programme for R&D.

[Kişisel bilgileri çevir](#)

[turkeyinh2020.eu](https://turkeyinh2020.eu) Ocak 2016 tarihinde katıldı

65 Takip edilen 745 Takipçi

 İstanbul Okan Üniversitesi TTO, connectto ve takip ettiğin diğer 15 kişi tarafından takip ediliyor

<https://twitter.com/TurkeyinH2020>



## Turkey in Horizon 2020 (Phase II)

Supporting Turkish institutions and companies in their participation of Horizon 2020 and Horizon Europe R&D programmes.

Executive Office - Cankaya/Ankara, Ankara · 1,269 followers



Uygur & 2 other connections work here · 7 employees

<https://www.linkedin.com/company/turkey-in-horizon-2020/>



**Cluster 5 - Climate, Energy  
& Mobility**

📅 05/07/2021 - 06/07/2021

<https://www.horizon-europe-infodays2021.eu/>

**5-6.07.2021**



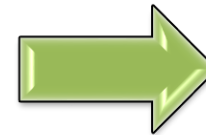
# Horizon Europe Cluster 5 International Brokerage Event



7 July 2021

**Horizon Europe Brokerage  
Event for Cluster 5**

<https://he-cluster5.b2match.io/>



Profile:

Organisation Information:

**MARKETPLACE**



# Participation of Associated Countries



- *“At the date of the publication of the work programme, there are no countries associated to Horizon Europe.”*
- *“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.”*



**Thanks**

**EU Framework Programmes National Coordination Office**

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