

# Ufuk2020 Programı Ulaşım Alanı ProgramıAkıllı Ulaşım Sistemleri (AUS)

Serhat MELİK

Ulaşım Alanı Ulusal İrtibat Noktası

17 Ocak 2019

- Temiz, Emniyetli, Verimli, Sürdürülebilir Ulaşım
- Ulaşım Sektörünün Büyümesi, Rekabetçiliği, Dijitalleşmesi (Tek Dijital Pazar Stratejisi)
- Farklı Ulaşım Modlarının Entegrasyonu
- Birlikte Çalışabilirlik, Standartlaşma

76 Milyar € bütçe ile 2014-2020 yılları arasında yürütülecektir.

## Endüstriyel Liderlik



17 Milyar €

- Bilgi ve İletişim Teknolojileri
- Nanoteknoloji
- Biyoteknoloji
- Uzay
- KOBİ

## Bilimsel Mükemmeliyet



25 Milyar €

- Avrupa Araştırma Konseyi (ERC)
- Marie Curie Bursları
- Araştırma Altyapıları
- Yeni ve Gelişen Teknolojiler

## Toplumsal Sorunlar



30 Milyar €

- Sağlık
- Gıda, Tarım
- Enerji
- Ulaşım
- Çevre
- Sosyal Bilimler
- Güvenlik

Uluslararası Konsorsiyumlar ve  
Bireysel Araştırmalar

# BM Sürdürülebilir Gelişme Hedefleri



## Amaç

Robotik, mobil haberleşme, büyük veri ve gömülü sistemlere yatırım yoluyla Avrupa endüstrisinin temel teknolojilerde daha fazla inovasyon odaklı ilerlemesi

- Next Generation Internet
- 5G
- Cloud
- Big Data

- Photonics
- Robotics
- Machine Learning, AI
- Electronic Smart Systems

**Bütçe**  
**2018-2020**  
**2,8 Milyar**  
**Avro**



## 5G

ICT-18-[2018]	5G for cooperative, connected and automated mobility (CCAM)	(IA – 50M €) 17 April 2018
ICT-19-[2019]	Advanced 5G validation trials across multiple vertical industries	(RIA – 90M €) (CSA – 2M €) 14 Nov 2018

# BiT-Avrupa Teknoloji Platformları

<b>NetWorld2020</b> (Wireless Communication)	<b>euRobotics</b> (Robotics)	<b>Photonics21</b> (Photonics)	<b>NEM</b> (e-media)  <b>NESSI</b> (Software)	<b>Big Data</b>	<b>AIOTI</b>
5G PPP	Robotic PPP	Photonic PPP	FI PPP	Big Data PPP	IoT
5G Association	SPARC	Photonics Assoc	FI Assoc.	BDVA	IoT

### Key Applications

1. Transport/Smart Mobility
2. Health and Well-being
3. Energy
4. Digital Industry
5. Digital Life

### Essential Capabilities

1. Systems and Components
2. Connectivity&Interoperability
3. Safety Security Reliability
4. Computing/ Storage
5. ECS Process tech, equip., materials, manufacturing



### Multi-Annual Strategic Plan ("MASP") 2018

### Strategic Research Agenda 2018

ECSEL JOINT UNDERTAKING



WORK PLAN 2018  
V20180222

### Annual Work Plan 2018



### Guide for applicants

ECSEL JU Calls for Proposals (IA, RIA, CSA Actions)

Version 1.0  
16 February 2018

### Guide for Applicants 2018



### Proposal Template (Technical Annex)

*ECSEL Innovation Actions (IA)  
ECSEL Research and Innovation Actions (RIA)*

*Calls 2018*

### Part B Template



# Transport & Smart Mobility

The Major Challenges in Transport & Smart Mobility are:

- Clean, affordable and sustainable propulsion
- Secure connected, cooperative and automated mobility and transportation
- Interaction between humans and vehicles
- Infrastructure and services for smart personal mobility and logistics



New Website  
<http://www.ecsel.eu>

# ECSEL 2019 Çağrı Takvimi

Electronic Components and Systems for European Leadership

Date	Action
6 February 2019	Call LAUNCH
7 May 2019	Deadline for PO Stage
18 September 2019	Deadline for FPP Stage
19 November 2019	Announcement of Results

Call	Action Type	TRL
ECSEL 2018-1-IA	Innovation Action (IA)	5-8
ECSEL 2018-2-RIA	Research and Innovation Action (RIA)	3-4

New Website  
<http://www.ecsel.eu>

## Call: EGNSS market uptake 2019-2020 H2020-SPACE-EGNSS-2019



Type of Action	Topic	Indicative budget (EUR mln)	Funding rate	Indirect costs
IA	EGNSS applications fostering green, safe and smart mobility	10.00	70% (except for non-profit legal entities, where a rate of 100% applies)	25% of the total eligible costs excluding: <ul style="list-style-type: none"><li>• Subcontracting</li><li>• Costs of resources made available by 3<sup>rd</sup> parties</li><li>• Financial support to 3<sup>rd</sup> parties</li></ul>
IA	EGNSS applications fostering digitisation	4.00		
IA	EGNSS applications fostering societal resilience and protecting the environment	4.00		
CSA	EGNSS awareness raising and capacity building	2.00	100%	
TOTAL budget:		20.00	Opening: 16 October 2018 Deadline: 05 March 2019	

IA: activities aimed at producing plans and arrangements or designs for new, altered or improved products, processes or services  
 CSA: consisting of accompanying measures such as standardisation, dissemination, awareness-raising and communication, networking, policy dialogues and studies

## LC-SPACE-EGNSS-1-2019: EGNSS applications fostering green, safe and smart mobility



Scope: Proposals should contribute to efficient, climate and environmentally friendly transport that will be safe and seamless for all citizens

### Aviation

Advanced navigation



CNS



Air Traffic Management



Unmanned vehicles



### Road

Autonomous vehicles



eCall



Connected Cars



Digital tachograph



### Maritime

Vessel navigation & Traffic Management



Port operations



Fisheries



Autonomous vessels



### Rail

Train signalling/control



Passenger-crew services



Autonomous trains



Multimodal logistics



Project Indicative funding: 1 to 3 million €

\* PRS (Public Regulated Service) applications are not in scope of this action

## Odak Alanları

- Düşük karbonlu, iklim değişikliğine dayanıklı gelecek
- **Avrupa endüstrisinin ve hizmetlerinin dijitalleşmesi ve dönüşümü**
  - ✓ Daha esnek
  - ✓ Uluslararası İşbirliği (INCO)
  - ✓ Konu ve sayfa sayısında azalma
  - ✓ **Kullanıcı odaklı**
  - ✓ Etki kriteri
  - ✓ Bilgi ve İletişim Teknolojisi
  - ✓ TRL vurgusu
  - ✓ **BM Sürdürülebilir Gelişme Hedefleri**
  - ✓ **BM İklim Değişikliği Konferansı (COP21)**

# Beyaz Kitap (White Paper on Transport)

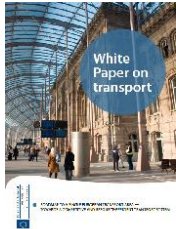
2050 yılına kadar, ulaştırma kaynaklı emisyon oranının 1990 yılındaki orana göre %60 oranında azaltılması hedeflenmektedir.

**-2030 yılına kadar, konvansiyonel yakıtlarla çalışan araçların şehir içi ulaşımında kullanımının %50'ye indirilmesi, 2050 itibari ile kullanılmaması**

-Havacılık sektöründe kullanılacak sürdürülebilir yakıtların kullanımının %40 oranına ulaşması, gemilerde kullanılan yakıtlar nedeniyle meydana gelen CO<sub>2</sub> emisyonunun %40-%50 oranında azaltılması

-2050 yılı itibariyle Avrupa'da **yüksek hızlı tren** ağının tamamlanması

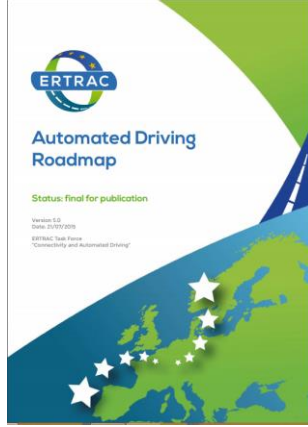
-Karayolu yük ve yolcu taşımacılığının demiryolu ve denizyoluna kaydırılması



- ACARE (Advisory Council for Aeronautics Research in Europe)
- ERTRAC (European Road Transport Advisory Council)
- ERRAC (European Rail Research Advisory Council)
- WATERBORNE TP
- ALICE (Alliance for Logistics Innovation through Collaboration in Europe)

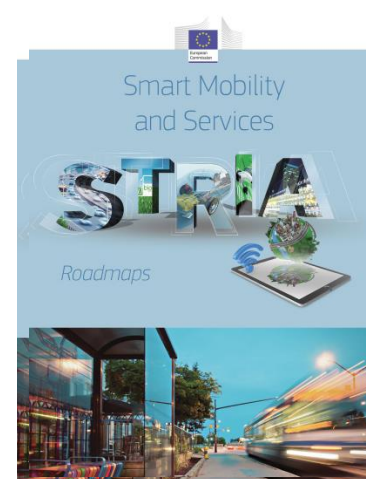
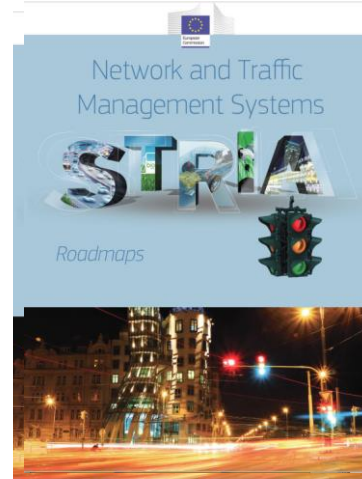
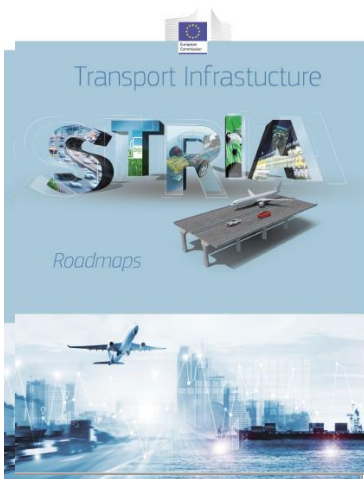
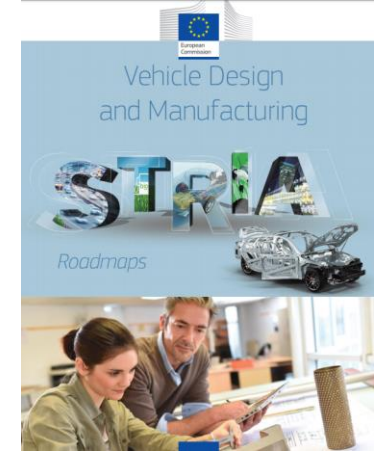
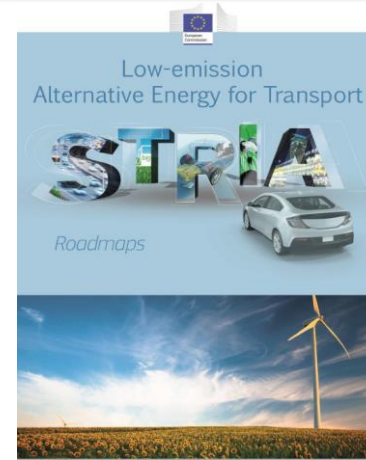
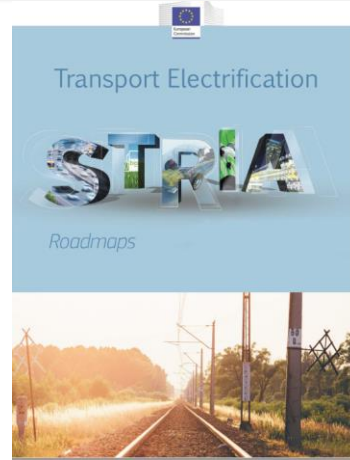
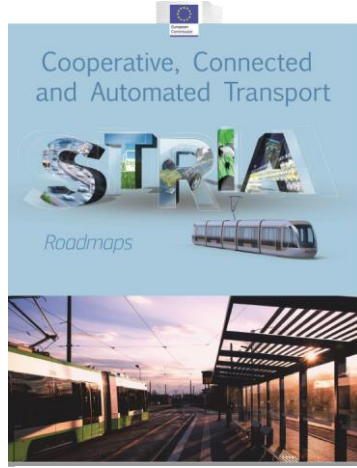


# ERTRAC Dokümanları





# STRIA (Stratejik Ulaşım Araştırma ve Inovasyon Programları)



Mobility for Growth	Action	Deadline	Budget (m€)	Total Budget (m€)
LC-MG-1-9-2019: Upgrading transport infrastructure in order to monitor noise and emissions	RIA	16.01.2019	4-7	7
LC-MG-1-10-2019: Logistics solutions that deal with requirements of the 'on demand economy' and for shared-connected and low-emission logistics operations	RIA	16.01.2019	2-4	10
MG-4-5-2019: An inclusive digitally interconnected transport system meeting citizens' needs	RIA	25.04.2019	1-3	7

# Funding & tender opportunities



SEARCH FUNDING & TENDERS

HOW TO PARTICIPATE

PROJECTS & RESULTS

WORK AS AN EXPERT

SUPPORT

select  
programme

The Funding & Tenders Portal is the entry point (the Single Electronic Data Interchange Area) for participants and experts in funding programmes and tenders managed by the European Commission and other EU bodies.

## Find calls for proposals and tenders

Search calls for proposals and tenders by keywords, programmes...

 Search

## Calls for proposals by EU Programme

3rd Health Programme (3HP)

Asylum, Migration and  
Integration Fund (AMIF)

Consumer Programme (CP)

Creative Europe (CREA)

Erasmus+ Programme  
(EPLUS)

European Maritime and  
Fisheries Fund (EMFF)

European Statistics (ESTAT)

HERCULE III (HERC)

Horizon 2020 Framework  
Programme (H2020)

Internal Security Fund Borders  
and Visa (ISFB)

Internal Security Fund Police  
(ISFP)

Justice Programme (JUST)

Pilot Projects and Preparatory  
Actions (PPPA)

Programme for the  
Competitiveness of  
Enterprises and small and  
medium-sized enterprises  
(COSME)

Promotion of Agricultural  
Products (AGRIP)

Research Fund for Coal &  
Steel (RFCS)

# Funding & tender opportunities



SEARCH FUNDING & TENDERS

HOW TO PARTICIPATE

PROJECTS & RESULTS

WORK AS AN EXPERT

SUPPORT

select  
programme

Horizon 2020 Framework Programme (H2020)



clear filter

intelligent transport system



☐ Match whole words only

☒ GRANTS

☐ TENDERS

Filter by submission status



FORTHCOMING



OPEN



CLOSED

Filter by programme (only for grants)

H2020



Filter by programme part

Select a Programme part...



Filter by focus area

Select a Focus area...



## Funding and tenders

Sort by: ☒ opening date

☐ title

☐ ID

☐ deadline

2 results



Download all funding and tender opportunities to your calendar or subscribe to the RSS feed (unfiltered).



Online manual  
"Find a grant"

See all calls for tenders published by EC

Grant

Human centred design for the new driver role in highly automated vehicles DT-ART-03-2019

Digitisation and transformation

Types of action: Research and Innovation action | Programme: Horizon 2020

Open for submission

Opening date: 04 December 2018

Deadline model: single-stage

Deadline date: 25 April 2019 17:00:00 Brussels time

Grant

Developing and testing shared, connected and cooperative automated vehicle fleets in urban areas for the mobility of all DT-ART-04-2019

Digitisation and transformation

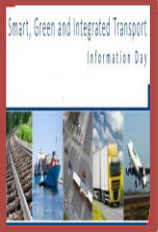
Types of action: Innovation action | Programme: Horizon 2020

Open for submission

Opening date: 04 December 2018

Deadline model: single-stage

Deadline date: 25 April 2019 17:00:00 Brussels time



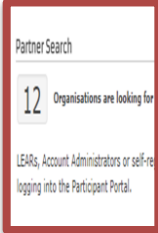
## Etkinlikler

- Avrupa Komisyonu Bilgi Günleri
- Avrupa Komisyonu Proje Pazarı Etkinlikleri
- U2020 ile ilgili etkinlikler: Forum / Çalıştay



## Ağlar

- Avrupa Teknoloji Platformları
- Kamu-Özel Sektör Ortaklıkları
- Mevcut Ağ yapıları
- AB Ağları



## İnternet Sitesi

- Participant Portal
- Cordis Sitesi ortak Arama Hizmeti
- ETNA 2020



## Geçmiş Çağrılar

- Desteklenmiş Projeler
- U2020 Proje Portföyü
- Proje internet siteleri



## Ulusal Destek Hizmetleri

- Ulusal İrtibat Noktaları



<https://ec.europa.eu/inea/en/2018-smart-green-integrated-transport-virtual-information-day-23-october-2018>



# Ortak Arama- ETNA 2020

Secure | <https://www.transport-ncps.net>

ETNA  
2020



The network of the Horizon 2020 National Contact Points for 'Smart, Green and Integrated Transport'

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Whether you fly, drive or sail, we help you lead the way.



  
Find your NCP

  
EU transport  
landscape

  
Partner  
searches

  
Events and  
training

  
Toolbox

  
Funding Map  
Database

  
NCP Twinning

<http://www.transport-ncps.net/>

# Önemli Birlikler



The Association of Automotive R&D Organisations



European Council for Automotive R&D



European Road Transport Telematics Implementation Coordination




European Association of Automotive Suppliers



The International Association of Public Transport



# Transport Research and Innovation Monitoring and Information System (TRIMIS)




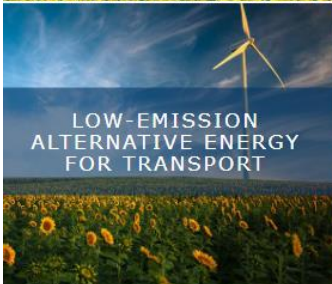






European  
Commission

TRIMIS


Transport Research and Innovation Monitoring and Information System

[HOME](#) [ROADMAPS ▾](#) [PROJECTS](#) [PROGRAMMES](#) [COUNTRY PROFILES](#) [MY ACCOUNT](#)

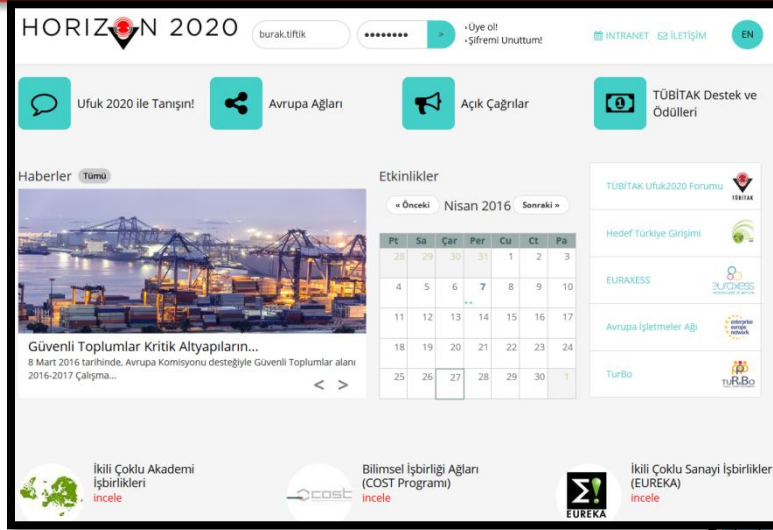


The **Transport and Research and Innovation Monitoring and Information System (TRIMIS)** monitors the implementation and effectiveness of the roadmaps developed by the **Strategic Transport Research and Innovation Agenda (STRIA)**. TRIMIS analyses technology trends, research and innovation capacities and developments in the European transport sector, providing open-access information.

# H2020 Support and Award Programmes

	Objective	Scope	Amount
<b>Travel Support</b> 	Involvement in consortia	Plane tickets, accommodation and inner-city transportation, conference fee, visa expenses, departure fee, daily allowance	Max. 1.500€/Travel
<b>ERC Principal Investigator</b> 	Improving the quality of ERC projects	Training for preparing and submitting project proposals, Pre-evaluation Service, Interview Rehearsal Support	Max. 16.500€/Project
<b>Marie-Curie Pre-evaluation</b> 	Improving the quality of Marie-Curie Individual Projects (IF, COFUND)	Improving the project proposal form	Max. 8.000€/Project
<b>Coordinator Support</b> 	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
<b>Success and Above-Threshold Reward</b> 	Promoting success and re-application, Increasing the budget share	All Project Partners With Above-Threshold Scores or Who Have Obtained Project Support	Above threshold. Max. 7.000 €/Project Success (x2 Coordinator). Max. ~%4/Project
<b>ERC Awards</b>	Triggering ERC success	All ERC Project Coordinators With Above-Threshold Scores or Who Have Obtained Project Support	Above threshold. Max. 12.000€/Project Success. Max. ~%9/Project

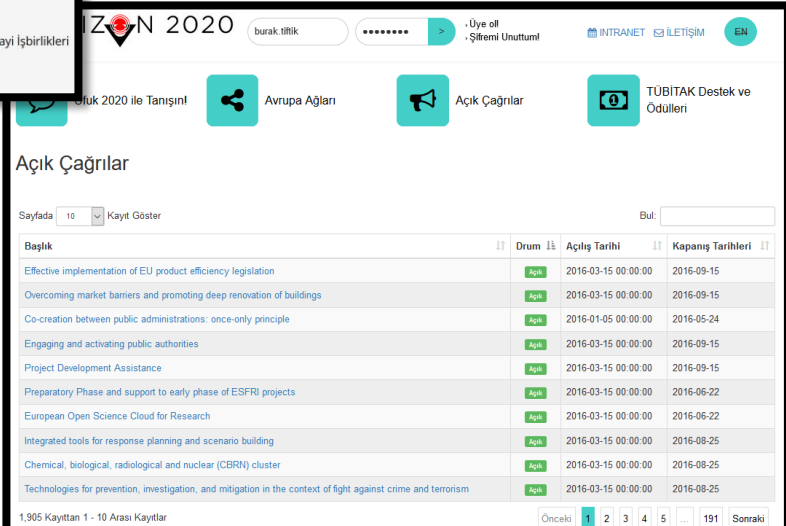
# Ufuk 2020 Yeni Web Sitesi



Kullanıcı Dostu Tasarım!

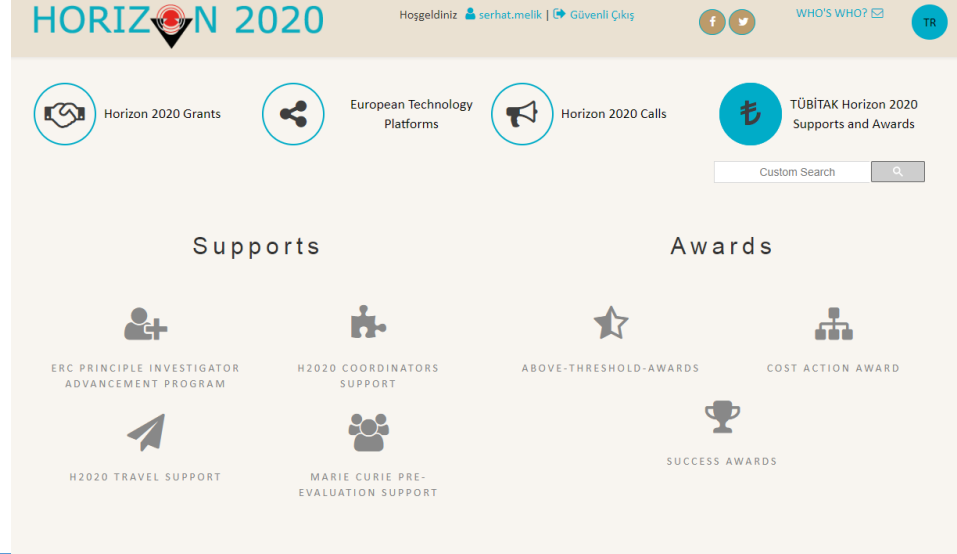
[www.ufuk2020.org.tr](http://www.ufuk2020.org.tr)

- Alan özelinde ana sayfalar
- Etkinlik takvimi
- Başarı hikayeleri
- Komisyon ile senkronize çağrı takibi
- Üyelik sistemi
- Bülten ve haberler



Destek ve Ödüller

Online Application



User Friendly

## H2020 Travel Support

### DEFINITION and CONTEXT

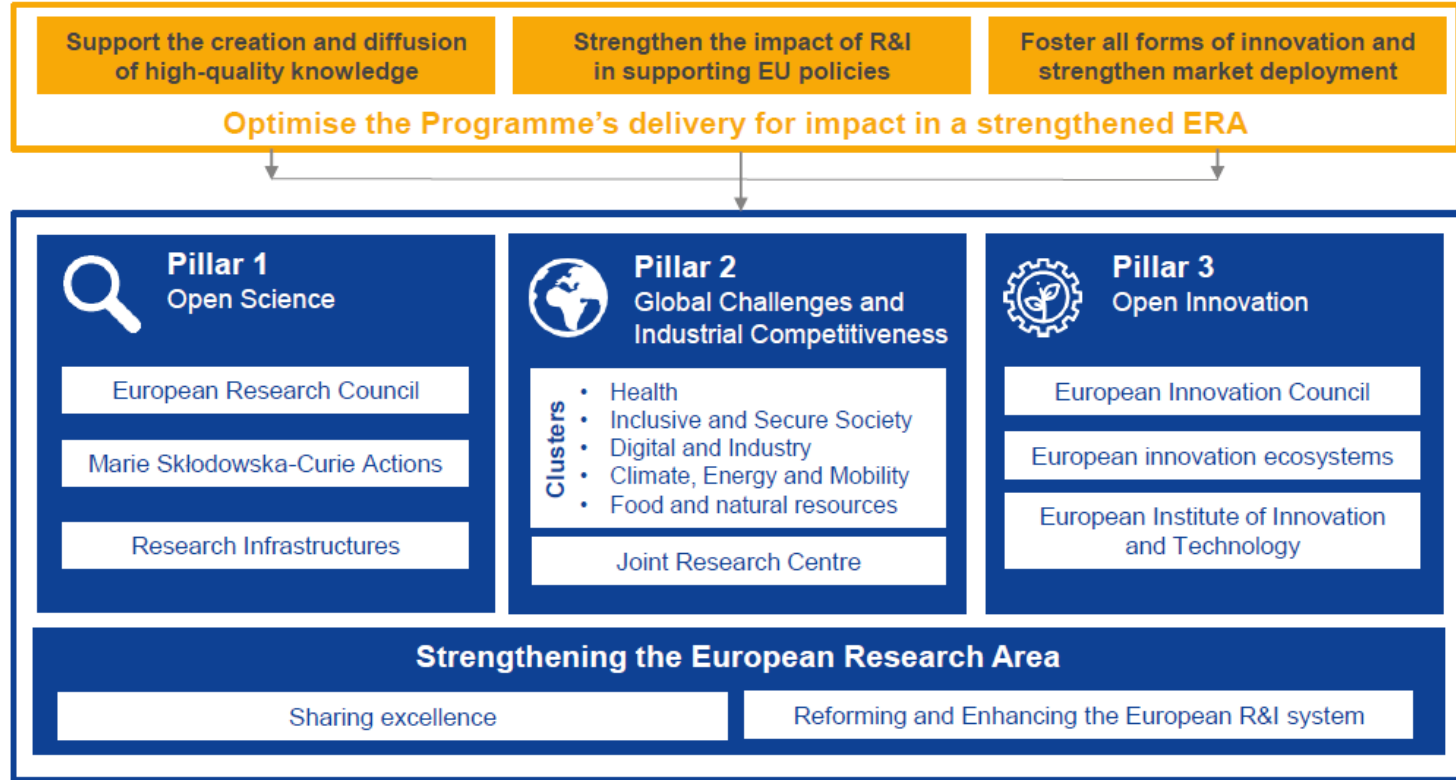
- H2020 Travel Support is applicable for project coordinator candidates who wish to take part in the projects to be submitted to Horizon2020 Program.
- H2020 Travel Support includes events and meetings related with H2020 Programme, such as brokerage events, information days, consortium meetings and other meetings related.
- Academicians, public sector or private sector employees are appropriate for the application to H2020 Travel Support.
- H2020 Travel Support includes following events:
  - Project markets and information days devoted to H2020 Calls on the official website of the European Commission H2020 and/or on the web pages of the European Commission's "Europe 2020" Initiatives,
  - The meetings organized through strategic networks like European Technology Platform, European Industrial Union,
  - Consortium meetings invited by project coordinator candidate, by official letter or by e-mail,
  - In the event that the project coordinator candidate is requested, the other meetings approved by TÜBİTAK

### Contact Point



Application  
Evaluation  
Liabilities and Limitations  
Payment

# Horizon Europe (2021-2027)



# TEŞEKÜRLER...

[ncptransport@tubitak.gov.tr](mailto:ncptransport@tubitak.gov.tr)



Ufuk2020.org.tr



/Ufuk2020Turkiye



@Ufuk2020Turkiye