Horizon 2020 Info Days
Adana- Ankara-Istanbul
12-14-16 February 2018

H2020 ICT
-Information and Communication Technologies-

Ezgi BENER
Mete KARACA
TÜBİTAK

14 February 2018, Ankara

Eligibility conditions for proposals

- For standard collaborative actions (RIA and IA)
  3 independent legal entities, each established in a different MS or AC
  For CSA : 1 legal entity

- Entities established in a Member State / Associated Country or third country identified in the WP

- Consortia can be composed of
  Industry, SME, University, Research Center, NGO

Associated Countries:

Turkey	Iceland	Bosnia and Herzegovina	Norway
Albania	FY Macedonia	Montenegro	Serbia
Israel	Moldova	Switzerland	Faroe Islands
Ukraine	Tunisia	Georgia Armenia	

Funding Model

- Research and Innovation actions (RIAs) and CSAs up to 100%
- Innovation actions (IAs) for non-profit entities up to 100%
- Innovation actions (IAs) up to 70 %

One reimbursement rate per action

(same rate for all beneficiaries and all activities)

- **Flat rate of 25% of total direct costs,** excluding subcontracting, costs of third parties and financial support to third parties

One method for the calculation of indirect costs

%100 - %70

- Staff Costs
- Equipment or other assets
- Travel, accommodation
- Meetings /WS Organization

+

%25 Indirect Cost

Evaluation of Proposals

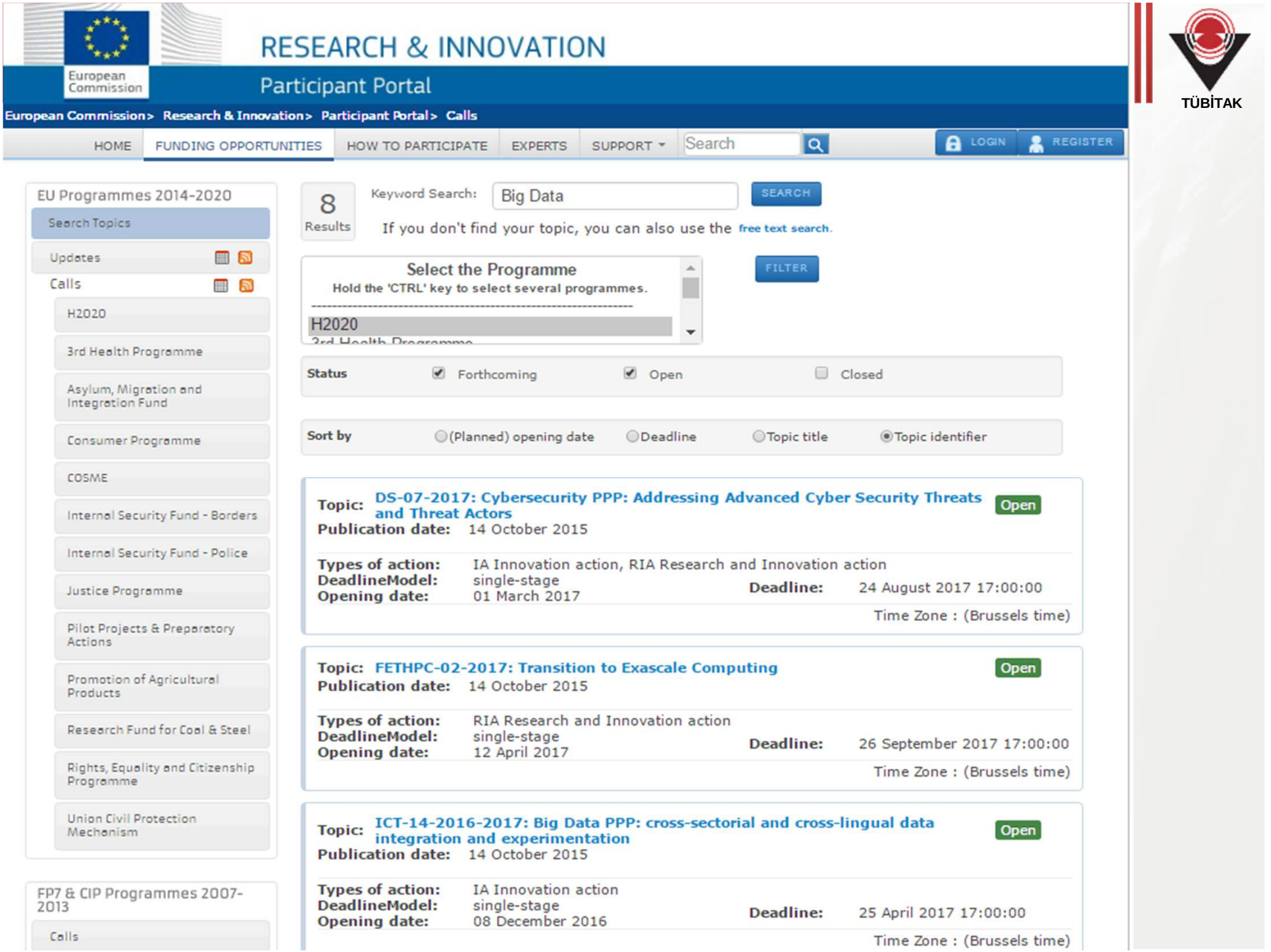
- Evaluation carried and monitored out by independent experts
- Evaluation (award) criteria
  - Excellence
  - Impact
  - Quality and efficiency of the implementation
- Details, e.g. the sub-criteria, thresholds and weightings (if weightings are applicable) are described in the Work Programme and its General Annexes (Annex no. 19)

The scores range from 0 to 5;
Threshold for each individual criterion: 3;
Total threshold: 10;

For Innovation Actions

- impact criterion weighted by factor of 1.5
- impact considered first when overall scores equal

There are deviations from the above! They can be found in the call or topic conditions.


European Commission
RESEARCH & INNOVATION
Participant Portal
European Commission> Research & Innovation> Participant Portal> Calls
HOME
FUNDING OPPORTUNITIES
HOW TO PARTICIPATE
EXPERTS
SUPPORT
Search
LOGIN
REGISTER
EU Programmes 2014-2020
Search Topics
Updates
Calls
H2020
3rd Health Programme
Asylum, Migration and Integration Fund
Consumer Programme
COSME
Internal Security Fund - Borders
Internal Security Fund - Police
Justice Programme
Pilot Projects & Preparatory Actions
Promotion of Agricultural Products
Research Fund for Coal & Steel
Rights, Equality and Citizenship Programme
Union Civil Protection Mechanism
FP7 & CIP Programmes 2007-2013
Calls
8
Results
Keyword Search:
Big Data
SEARCH
If you don't find your topic, you can also use the free text search.
Select the Programme
Hold the 'CTRL' key to select several programmes.
H2020
FILTER
Status
Forthcoming
Open
Closed
Sort by
(Planned) opening date
Deadline
Topic title
Topic identifier
Topic: DS-07-2017: Cybersecurity PPP: Addressing Advanced Cyber Security Threats and Threat Actors
Open
Publication date: 14 October 2015
Types of action: IA Innovation action, RIA Research and Innovation action
DeadlineModel: single-stage
Opening date: 01 March 2017
Deadline: 24 August 2017 17:00:00
Time Zone : (Brussels time)
Topic: FETHPC-02-2017: Transition to Exascale Computing
Open
Publication date: 14 October 2015
Types of action: RIA Research and Innovation action
DeadlineModel: single-stage
Opening date: 12 April 2017
Deadline: 26 September 2017 17:00:00
Time Zone : (Brussels time)
Topic: ICT-14-2016-2017: Big Data PPP: cross-sectorial and cross-lingual data integration and experimentation
Open
Publication date: 14 October 2015
Types of action: IA Innovation action
DeadlineModel: single-stage
Opening date: 08 December 2016
Deadline: 25 April 2017 17:00:00
Time Zone : (Brussels time)

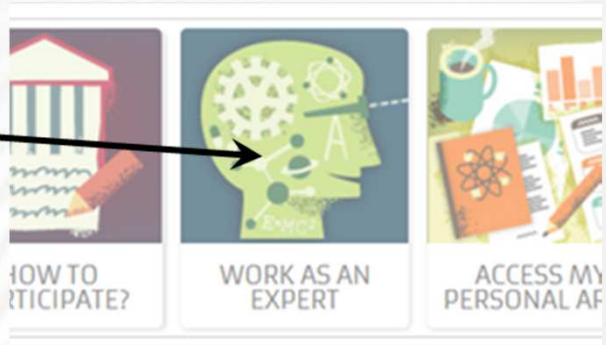
TÜBİTAK

Experts / Evaluators

EC is looking for more experts,
in particular female experts!

Appropriately qualified professionals should apply to work as experts in H2020 evaluations

Application via the Participant Portal



The selection is made per call deadline to ensure a broad range of knowledge and expertise and avoid conflicts of interest

EUROPEAN COMMISSION HORIZON 2020

TÜBİTAK

80 Billion € budget, funding available over 7 years 2014-2020

Industrial Leadership

17 Milyar €

- Information and Communication Technologies
- Nanotechnologies, materials, biotechnology
- Space
- SME Instrument

Excellent Science

25 Milyar €

- European Research Council(ERC)
- Future and Emerging Technologies (FET)
- Marie Sklodowska Curie Actions
- Research Infrastructures

Societal Challenges

30 Milyar €

- Health
- Food, Agriculture
- Energy
- Transport
- Environment
- Inclusive, Innovative, reflective Societies
- Secure Societies

Information and Communication Technologies (ICT)

TÜBİTAK

Topics

More innovation-orientation to ensure that the EU industry remains strong in the core technologies through investment in Robotics, mobile communication, big data and embedded systems

- Next Generation Internet
- 5G
- Cybersecurity
- Big Data / Cloud / Software
- Photonics
- Robotics
- Machine Learning, AI
- Cyber Pyhsical Systems/ Electronic Smart Systems

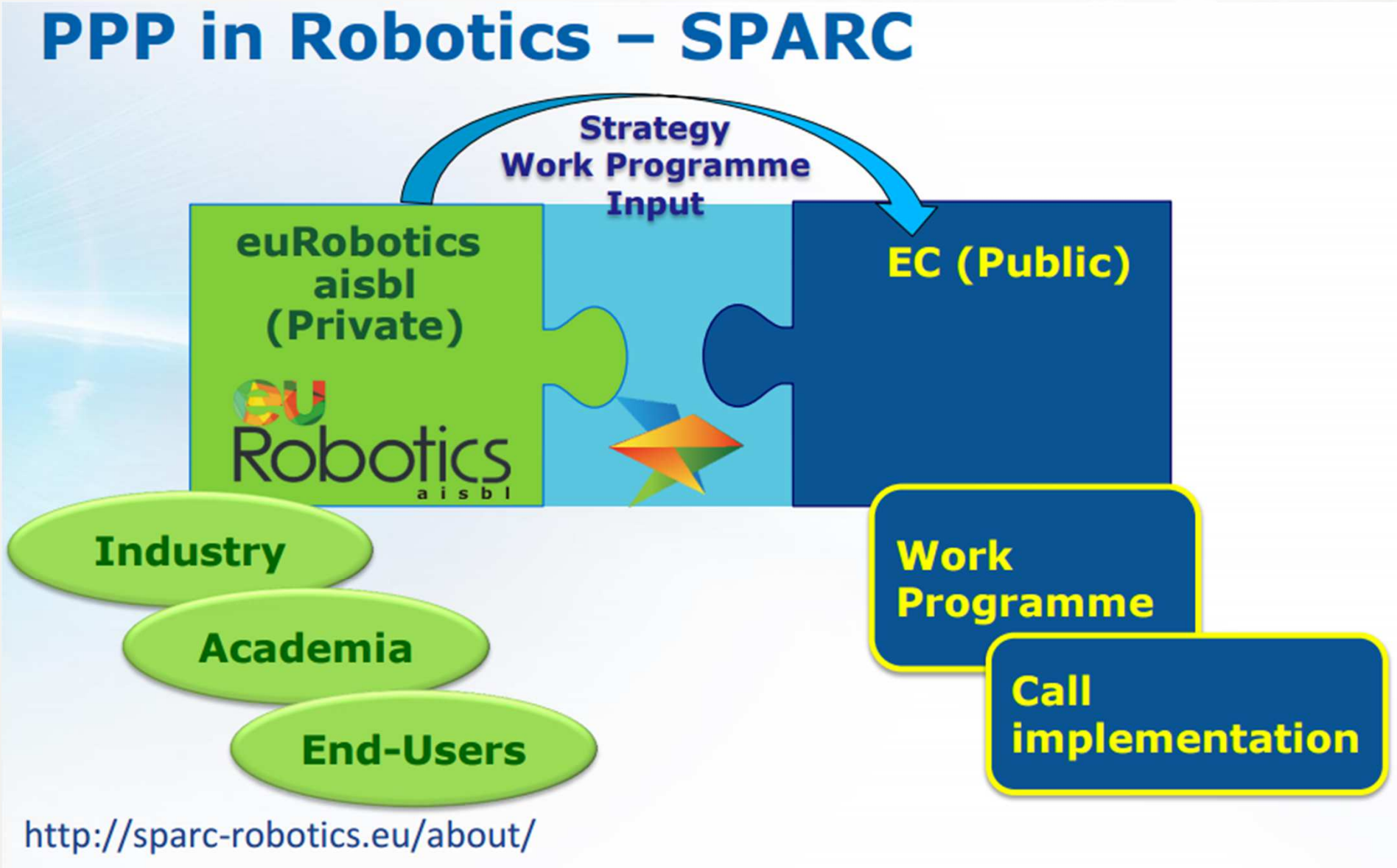
Budget
2018-2020
2,8 Billion €

ETPs

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

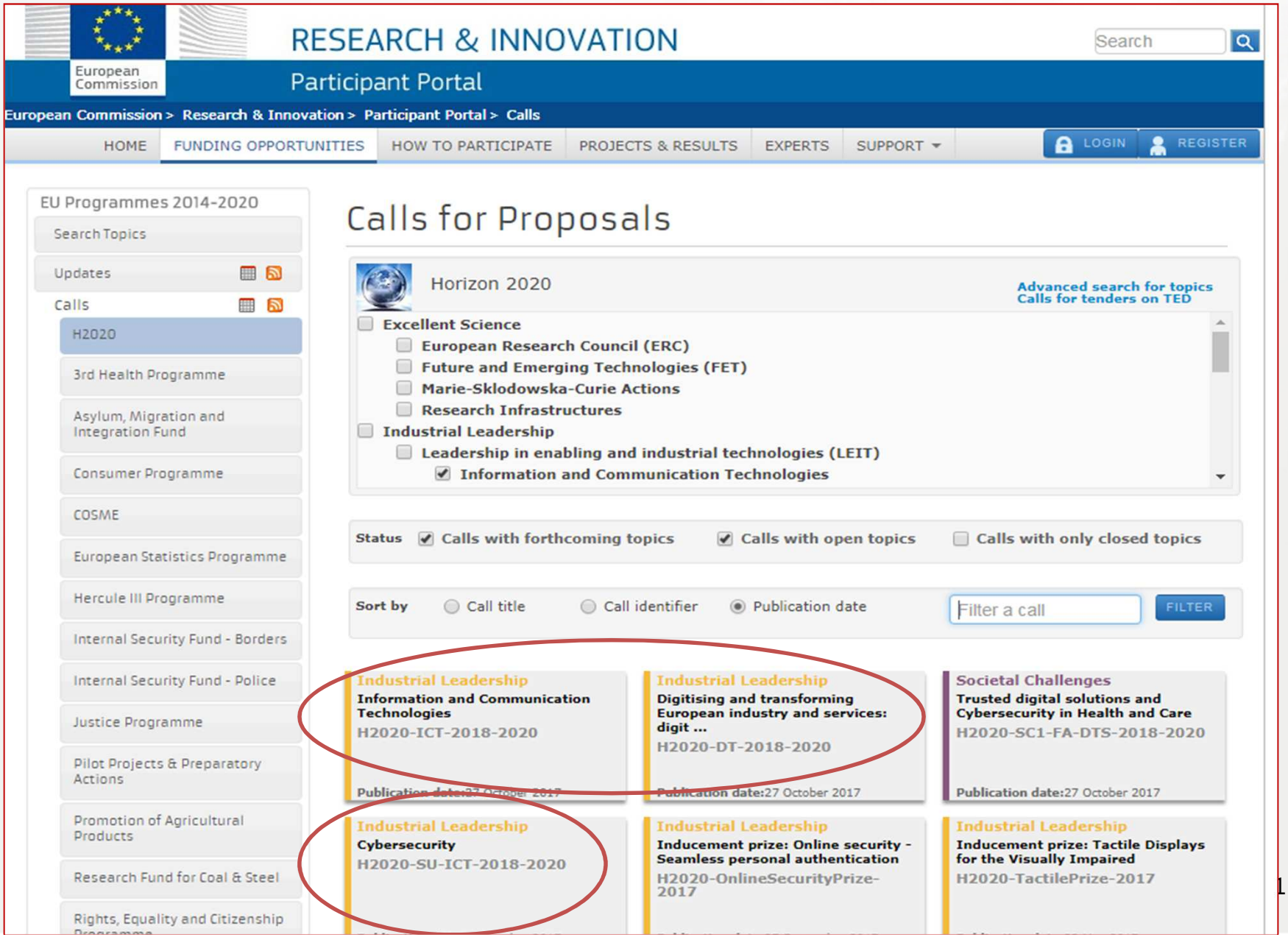
RoboticsPPP-SPARC

TÜBİTAK

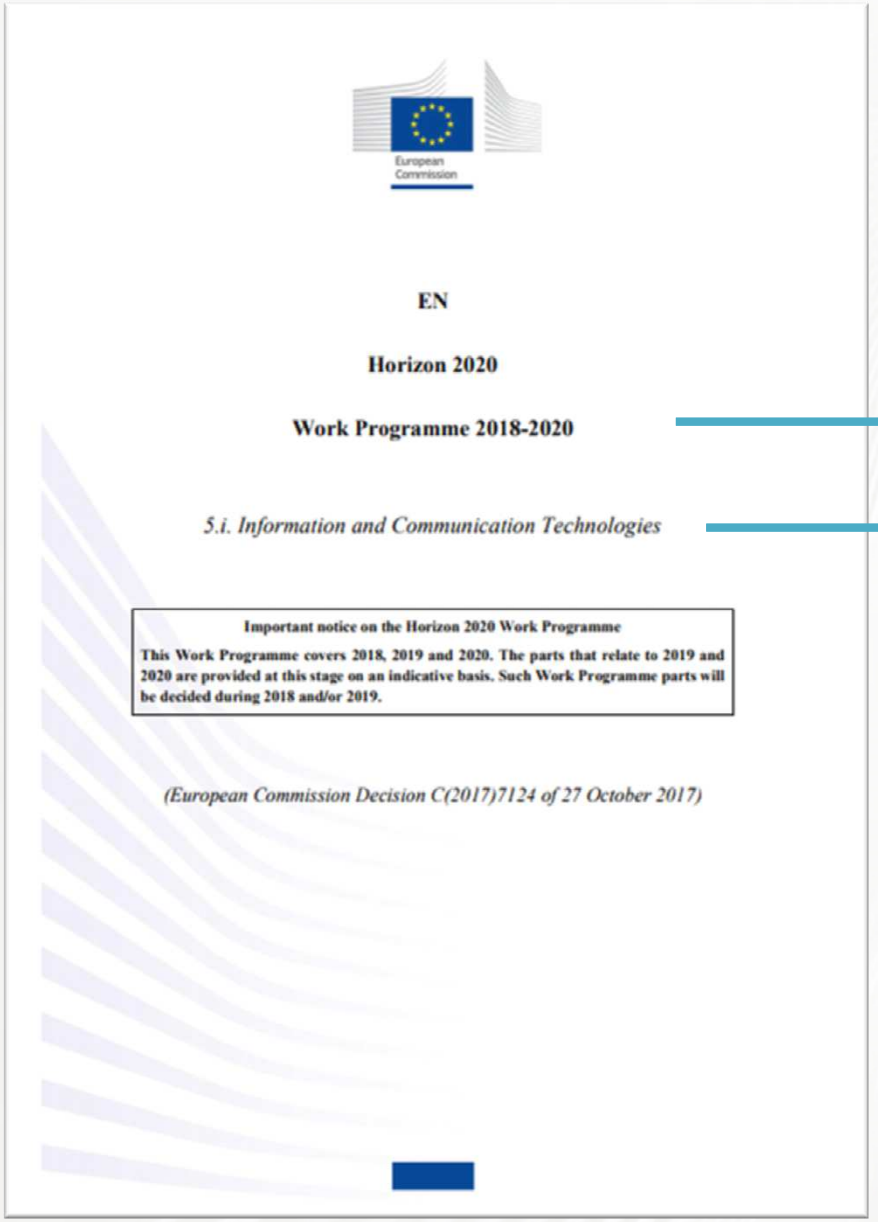


ICT Calls

TÜBİTAK



Work Programme



EN

Horizon 2020

Work Programme 2018-2020

5.i. Information and Communication Technologies

Important notice on the Horizon 2020 Work Programme

This Work Programme covers 2018, 2019 and 2020. The parts that relate to 2019 and 2020 are provided at this stage on an indicative basis. Such Work Programme parts will be decided during 2018 and/or 2019.

(European Commission Decision C(2017)7124 of 27 October 2017)

→ Multiannual

→ Thematic Area

ICT 2018 - 2020 Call Topics

TÜBİTAK

Technologies for Digitising European Industry		
ICT-01–[2019]	Computing technologies and engineering methods for cyber-physical systems of systems	
ICT-02-[2018]	**Flexible and Wearable Electronics**	**(RIA – 30M €)**
ICT-03-[2018-2019]	**Photonics Manufacturing Pilot Lines for Photonic Components and Devices**	**(IA – 30M €)**
ICT-04-[2018]	**Photonics based manufacturing, access to photonics, datacom photonics and connected lighting**	**(IA – 25M €) (RIA – 30M €)**
ICT-05-[2019]	Application driven Photonics components	
ICT-06-[2019]	Unconventional Nanoelectronics	
ICT-07-[2018]	**Electronic Smart Systems (ESS)**	**(RIA – 39M €) (CSA – 1M €)**
ICT-08-[2019]	Security and resilience for collaborative manufacturing environments	
ICT-09-[2019-2020]	Robotics in Application Areas	
ICT-10-[2019-2020]	Robotics Core Technology	

17 Nisan 2018

ICT 2018 - 2020 Call Topics

TÜBİTAK

European Data Infrastructure: HPC, Big Data and Cloud Technologies		
ICT–11-[2018-19]	**HPC and Big Data enabled**	**(IA – 50M €)**
	Large-scale Test-beds and Applications 14 Nov 2018	**(IA – 40M €)**
ICT–12-[2018-20]	**Big Data technologies and extreme-scale analytics**	**(RIA – 30M €)** **(CSA – 1M €)**
ICT–13-[2018-19]	**Supporting the emergence of data markets and the data economy**	**(RIA – 10M €)** **(CSA – 3M €)**
ICT–14-[2019]	**Co-designing Extreme Scale Demonstrators (EsD)** 14 Nov 2018	**(RIA – 80M €)**
ICT–15-[2019-20]	Cloud Computing	
ICT–16-[2018]	**Software Technologies**	**(RIA – 10M €)** **(IA – 9M €)** **(CSA – 1M €)**

17 Nisan 2018

ICT 2018 - 2020 Çağrı Başlıkları

TÜBİTAK

5G		
ICT–17-[2018]	5G End to End Facility	(RIA – 60M €) 31 Jan 2018
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
ICT–20-[2019-20]	5G Long Term Evolution	
ICT–21-[2018]	**EU-US Collaboration for advanced wireless platform**	**(CSA – 2M €)** 17 April 2018
ICT–22-[2018]	EU-China 5G Collaboration	(RIA – 6M €) 31 Jan 2018
ICT–23-[2019]	EU-Taiwan 5G collaboration	

ICT 2018 - 2020 Call Topics

TÜBİTAK

Next Generation Internet		
ICT-24-[2018-19]	**Next Generation Internet** **An Open Internet Initiative**	**(RIA – 21.5M €)** **(CSA – 7M €)**
ICT-25-[2018-20]	**Interactive Technologies**	**(CSA – 3M €)** **(RIA – 20M €)**
ICT-26-[2018-20]	**Artificial Intelligence**	**(RIA – 20M €)**
ICT-27-[2018-20]	**Internet of Things**	**(CSA – 1.5M €)**
ICT-28-[2018]	**Future Hyper-connected Sociality**	**(RIA – 10M €)** **(IA – 10M €)** **(CSA – 1M €)**
ICT-29-[2018]	**A multilingual Next Generation Internet**	**(RIA – 18M €)** **(IA – 7M €)**
ICT-30-[2019-20]	An empowering, inclusive Next Generation Internet	
ICT-31-[2018-19]	**EU-US collaboration on NGI**	**(CSA – 2M €)**

14 Nov 2018

17 April 2018

ICT 2018 - 2020 Call Topics

TÜBİTAK

Cross-cutting activities	
ICT-32-[2018]	**S+T+ARTS = The Arts stimulating innovation** **(RIA – 8M €) (CSA – 1M €)** is to better address innovation in industry and society by engaging artists in European R&I projects to explore unconventional art-inspired solutions to industrial/societal problems a) RIA: STARTS lighthouse pilots in art-inspired interactive human-centred environments and art-inspired urban manufacturing b) CSA: to create a STARTS ecosystem by coordinating artistic and innovation relevant aspects of the two lighthouse pilots and of other European/international R&I projects
ICT-33-[2019]	Startup Europe for Growth and Innovation Radar
ICT-34-[2018-2019]	**Pre-Commercial Procurement Open (PCP – 6M €)** targeting consortia of procurers with similar procurement needs that want to procure together the development of innovative ICT based solutions to modernize public services
ICT-35-[2018]	**Fintech: Support to experimentation (CSA – 2.5M €) frameworks and regulatory compliance** "Fintech" is at the confluence of various digital technologies, financial areas and the entrepreneurial landscape.

17 April 2018

ICT 2018 - 2020 Call Topics

Digitising and transforming European industry and services: digital innovation hubs and platforms		
Support to hubs		
DT-ICT-01-[2019]	Smart Anything Everywhere	
DT-ICT-02-[2018]	**Robotics - Digital Innovation Hubs (DIH)**	**(IA – 64M €) (CSA – 2M €)**
DT-ICT-03-2020	I4MS (phase 4) - uptake of digital game changers and digital manufacturing platforms	
DT-ICT-04-2020	Photonics Innovation Hubs	
DT-ICT-05-2020	Big Data Innovation Hubs	
DT-ICT-06-2018	**Coordination and Support Activities for Digital Innovation Hub network**	**(CSA – 1M €)**

17 April 2018

ICT 2018 - 2020 Call Topics

TÜBİTAK

Platforms and pilots		
DT-ICT-07-[2018-2019]	**Digital Manufacturing Platforms for Connected Smart Factories**	**(IA – 48M €)** 17 Nisan 2018
DT-ICT-08-[2019]	**Agricultural digital integration platforms**	**(IA – 30M €)** 14 Kasım 2018
DT-ICT-09-[2020]	Digital service platforms for rural economies	
DT-ICT-10-[2018-19]	**Interoperable and smart homes and grids**	**(IA – 30M €)** 14 Kasım 2018
DT-ICT-11-[2019]	Big data solutions for energy	
DT-ICT-12-[2020]	The smart hospital of the future	
DT-ICT-13-[2019]	**Digital Platforms/Pilots Horizontal Activities**	**(CSA – 4M €)** 14 Kasım 2018

ICT 2018 - 2020 Call Topics

TÜBİTAK

Cybersecurity	
SU-ICT-01-[2018]	**Dynamic countering of cyber-attacks** **(IA – 40M €)** 28 Ağustos 2018 new techniques for detection of suspicious cyber activities and traffic patterns, and for classification of flows, while keeping privacy and confidentiality a) Cyber-attacks management - advanced assurance and protection b) Cyber-attacks management – advanced response and recovery
SU-ICT-02-[2020]	Building blocks for resilience in evolving ICT systems
SU-ICT-03-[2020]	Advanced cybersecurity and digital privacy technologies
SU-ICT-04-2019	**Quantum Key Distribution Testbed** **(IA – 15M €)** 28 Ağustos 2018 Confidentiality of data and communications, authentication, as well as the long-term integrity of stored data have to be guaranteed, even in the advent of quantum computers. Introducing Quantum Key Distribution (QKD) in the underlying infrastructure has the potential to maintain end-to-end security in the long-term. The aim is to integrate equipment, components, protocols and network technologies with QKD systems and current digital security and communication networks

ECSEL JU

Electronic Components and Systems for European Leadership

TÜBİTAK

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

ECSEL Joint Undertaking

DECISION OF THE GOVERNING BOARD OF THE ECSEL JOINT UNDERTAKING

Amending the ECSEL Multi-annual Strategic Plan 2017

THE GOVERNING BOARD OF THE ECSEL JOINT UNDERTAKING,

Having regard to Council Regulation (EU) No 561/2014 of 6 May 2014 establishing the ECSEL Joint Undertaking[1],

Having regard to the Statutes of the Joint Undertaking as annexed to Council Regulation (EC) No 561/2014, and in particular Articles 1(e), 7§3 (h), 9§4, 15(a) and 21(2),

Having regard to decision ECSEL GB 2016.77 amending the MASP 2017,

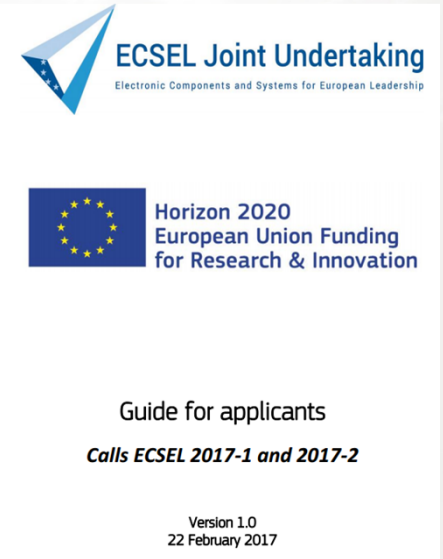
Whereas:

1) The description of the Lighthouse Initiatives in Section 3.3 should be further elaborated;

2) The Governing Board shall adopt the 2nd amendment to the multiannual strategic plan for 2017,

HAS ADOPTED THIS DECISION:

Strategic Research Agenda 2018


ECSEL Joint Undertaking

Electronic Components and Systems for European Leadership

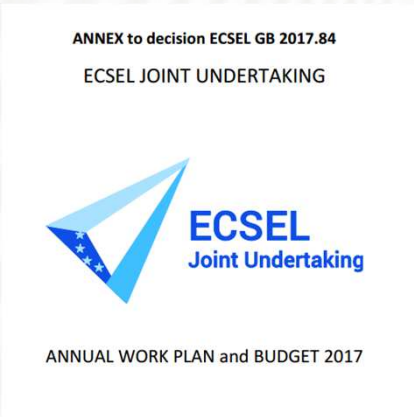
Horizon 2020
European Union Funding
for Research & Innovation

Guide for applicants

Calls ECSEL 2017-1 and 2017-2

Version 1.0
22 February 2017

Guide for Applicants 2018


ANNEX to decision ECSEL GB 2017.84

ECSEL JOINT UNDERTAKING

ECSEL
Joint Undertaking

ANNUAL WORK PLAN and BUDGET 2017

Annual Work Plan 2018

ECSEL Joint Undertaking

Electronic Components and Systems for European Leadership

D 2017.136

Proposal Template
(Technical Annex)

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

Calls 2017

Part B Template

ECSEL 2018 Çağrı Takvimi

Electronic Components and Systems for European Leadership

TÜBİTAK

Date	Etkinlik
26 April 2018	Deadline for PO Stage
20 September 2018	Deadline for FPP Stage)
November 2018	Announcement of Results

Çağrı	Tipi	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

ECSEL 2018 Çağrısı

	RIA	IA
Industry	25%	20%
SME	30%	25%
Univ / Other	35%	35%

Kurum Tipi	National Funding
Industry / SME	TEYDEB 1509
Univ / Academia	ARDEB 1001

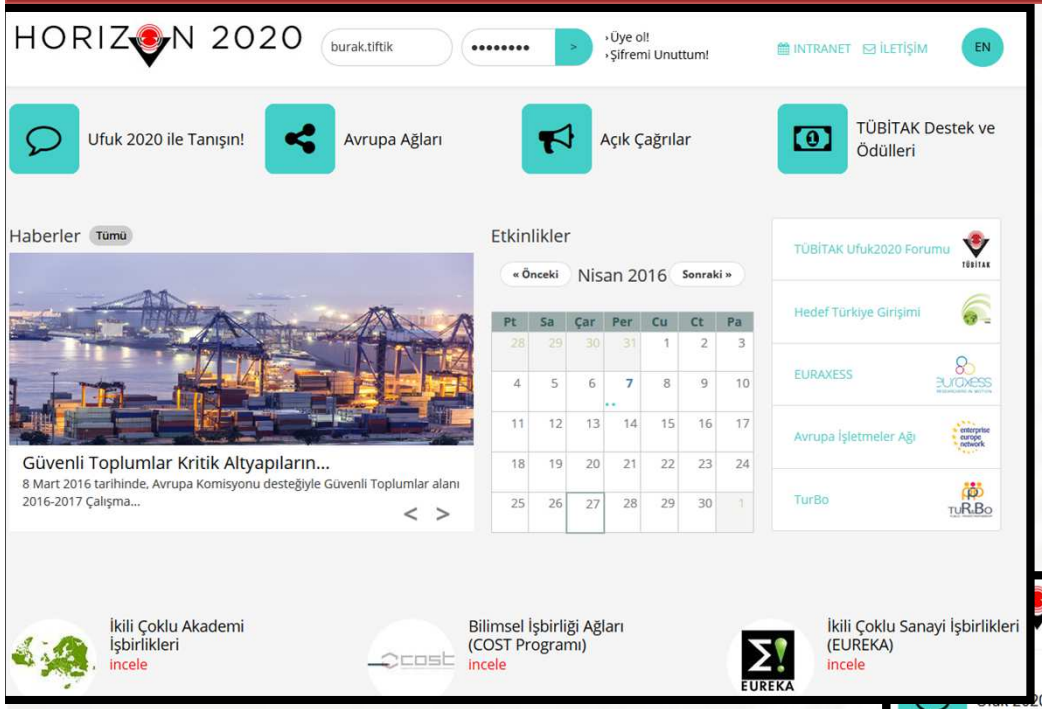
TÜBİTAK National Coordination Office

Support Services

- Informing / awareness risining
- Assisting, advising and training
- Providing on-the-ground guidance,
- Cooperation with Commission services

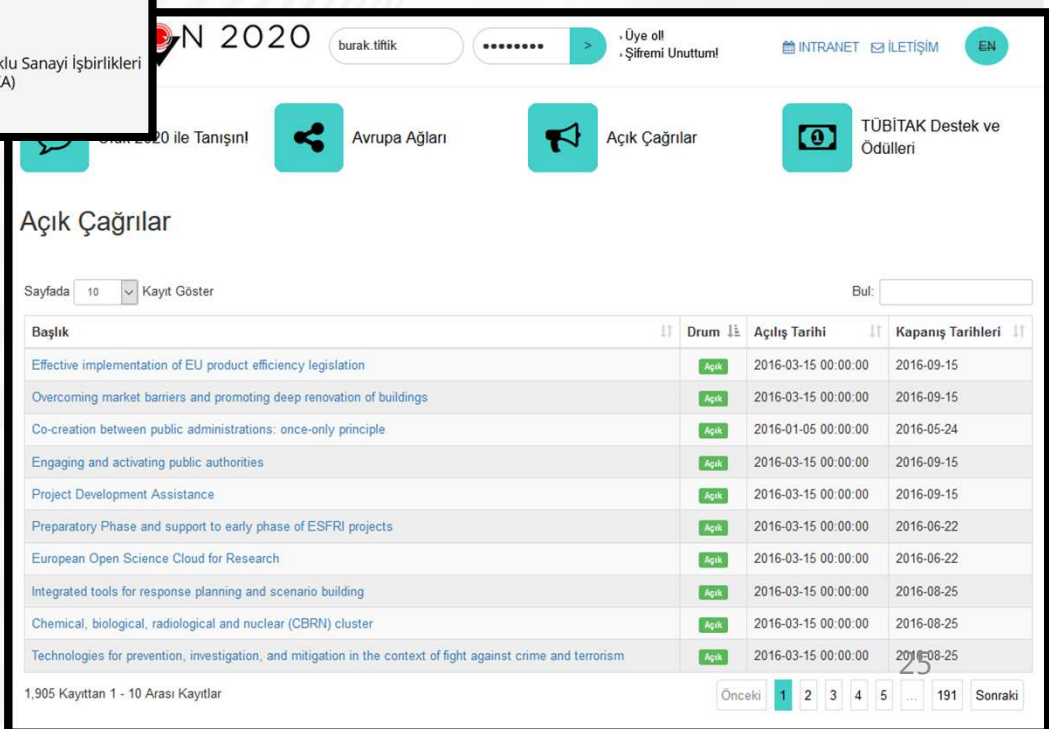
New Web Site

TÜBİTAK



User Friendly

www.ufuk2020.org.tr



- Event Calendar
- Success Stories
- Call announcements
- Subscription
- News

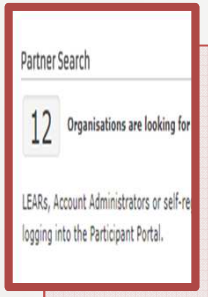
How to Find a Partner

Events

- EU Information Days
- EU Brokerage Events
- H2020 related Events / Forum / Workshop

Networks

- European Technolgy Platforms
- Public Private Partnerships
- Existing Networks
- EU Assosciations



Web Sites

- Participant Portal
- Cordis Website Partner search Services
- Idealist Partner Search Portal

Previous Calls

- Previously Funded Projects
- H2020 Project Portfolio
- Publications

National Support Services

- National Contact Points
- National Support Services

Events

ICT Proposers' Day 2017
9-10 Kasım 2017, Budapeşte
Bilgi ve İletişim Teknolojileri Alanı Yeni Çalışma Programı Lansmanı
https://ec.europa.eu/digital-single-market/en/events/ict-proposers-day-2017

The European Forum for Electronic Components and Systems 2017
5-7 Aralık 2017, Brüksel
https://efecs.eu/

ECSEL Call Forum 2018
06- 07.03.2018, Warsow
https://events-ecsel.eu/call-forum-2018

ECSEL JU Symposium 2018
19-20 Haziran 2018, Brussels

ICT Event 2018
4-6 Aralık 2018, Vienna

İletişim

Ufuk2020
Bilgi ve İletişim Teknolojileri Alanı
Ulusal İrtibat Noktaları

Ezgi BENER
A. Mete KARACA

ncpict@tubitak.gov.tr
http://www.ufuk2020.org.tr/tr/tematik-alanlar/bilgi-ve-iletisim-teknolojileri