

# Horizon 2020 Dedicated TÜBİTAK Support and Award Programmes

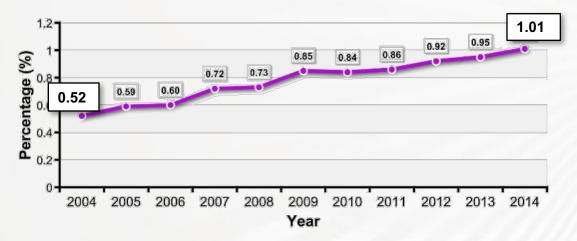
Hakan KARATAŞ Director for International Cooperation H2020 National Coordinator

28 January 2016

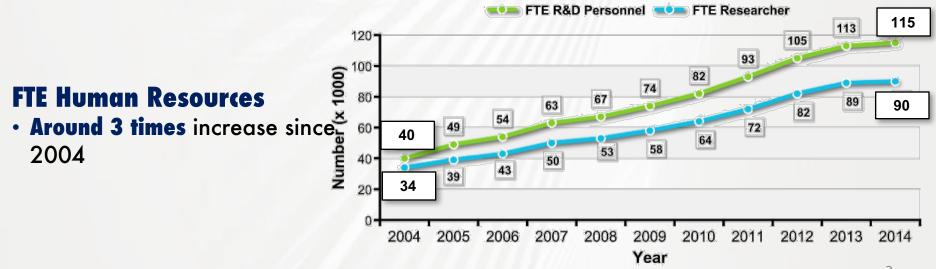
TURKEY		EU
79	15%	513
784	18%	4.325
806	4%	18.240
29	<b>30%</b>	42
	79 784 806	79       15%         784       18%         806       4%

### Important Increase in Resources for R&D and I



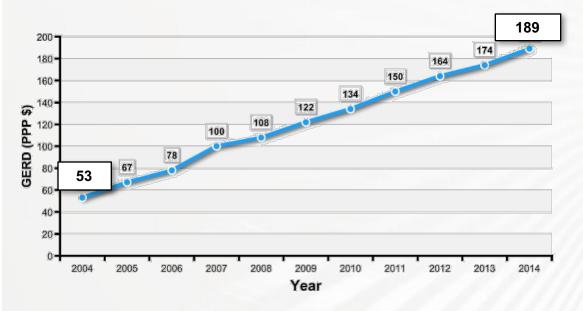


- Based on an annual growth rate of 17%, R&D expenditures rate increased 2 times
- Turkey has passed Austria, Belgium, Finland and Mexico in total R&D expenditures



### **GERD per Capita and by Sources of Funds**



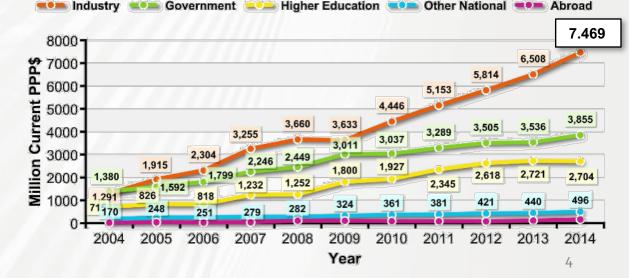


#### **GERD per Capita Population:**

More than 3 times increase since 2004

#### GERD by sources of Funds:

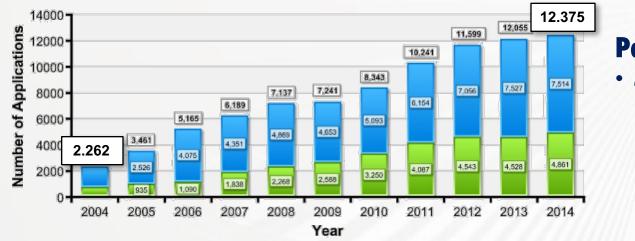
 Industry has the biggest share and fastest increase in R&D spending



### **Patents and Publications also Increasing**



📃 Domestic 📃 Foreign

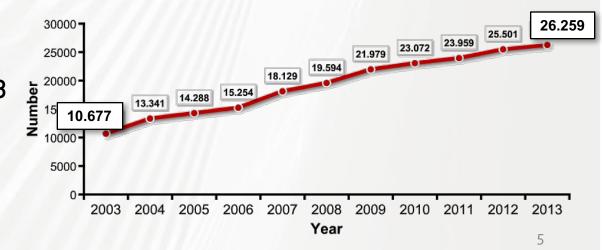


#### **Patents:**

5,4 times increase since 2004

Scientific Publications:

• 2,5 times increase since 2003

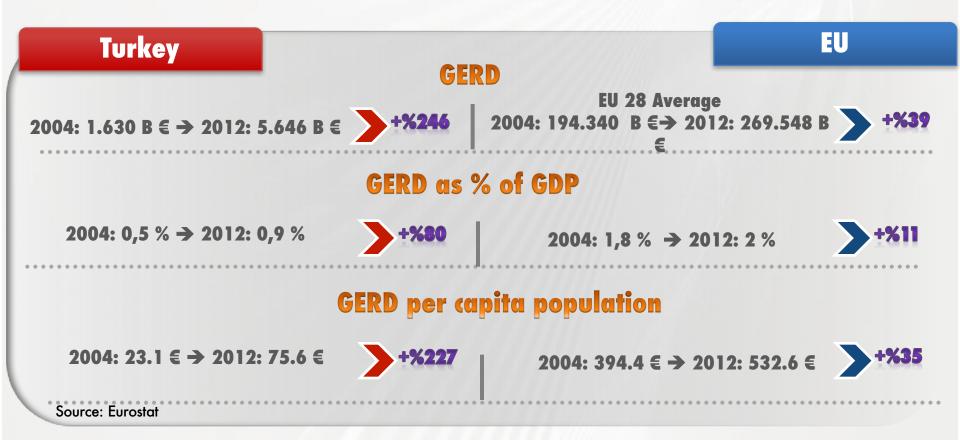


# **EU and Turkey**



#### **Greater Achievements in Turkey to boost reserach and innovation**

In times of fiscal constraints, invest ingin education, R&D, innovation and ICTs. Such investments should where possible not only be protected from budget cuts, but should be stepped up.



# **EU and Turkey**

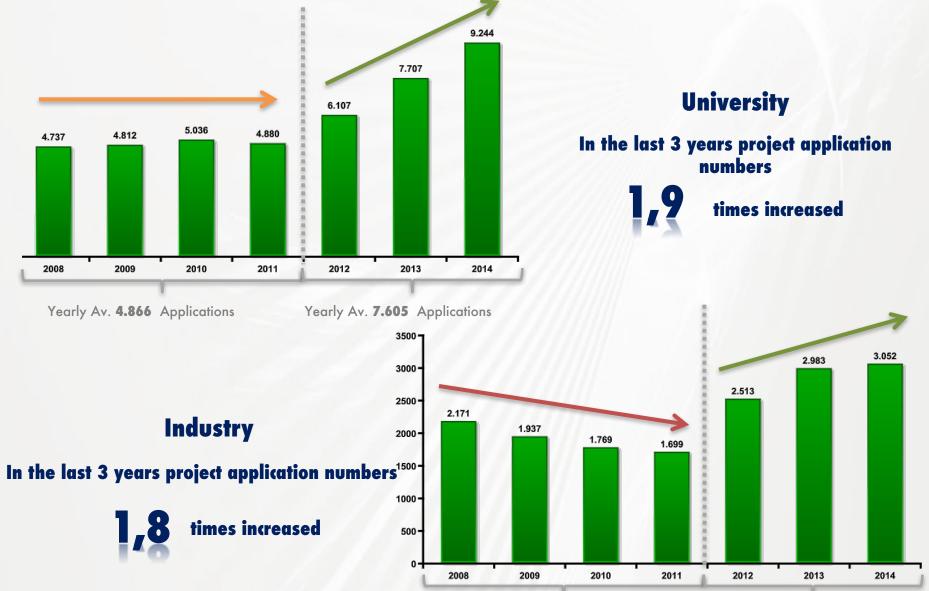


urkey		EU
2007-2012		2007-2012
+4.4 %	R&D intensity	+2.4 %
+5.3 %	Knowledge intensity of the economy	+1.0 %
+6.7 %	Excellence in S&T	+2.9 %

«Turkey is committed to improving its innovative capacity through smart policies and more investment in RDI activities.» «Bottom-up strategic approach: private sector and academia have identified their R&D needs in a detailed and more efficient way, and support mechanisms have acquired a more targetted structure»

### Innovation and Entrepreneurship Ecosystem Is Boosted





Yearly Av. 1.894 Applications

Yearly Av. 3.065 Applications

# **International Cooperation in Research**



#### **Reseach activities are rapidly being** internationalized!



«Science» Magazine



- **Currently,** proportion of international scientific publications which are prepared by researchers from at least two different countries is 60%
- It in 1992, was only 20%
- the pace of internationalization in research is more than just fast!!!

Source: Rush Holt, "Scientific Drivers for Diplomacy", Science and Diplomacy, June 2015

## **International R&D and Innovation Cooperation**





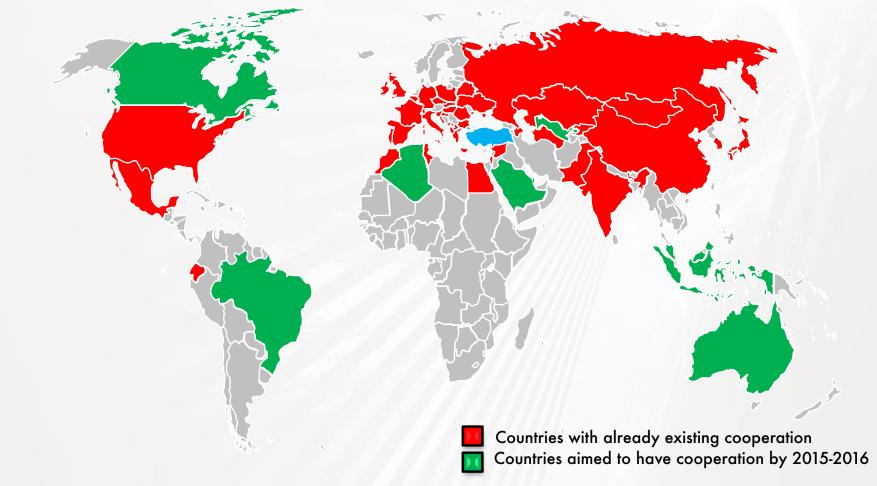


Besides, «public procurement» decisions are increasingly influenced by pre-commercial partnerships aiming to transfer knowledge

It also is important to access the information about «industrial standarts» and «regulations» in advance, to provide competitive advantage

# **Bilateral Cooperations of Turkey**





### **Facilitation - Bilateral Cooperation with Germany for H2020**



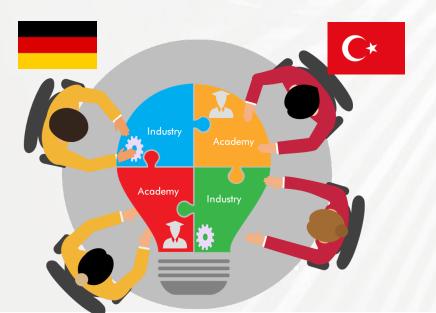
#### **2014 Turkey and Germany Science and Innovation Year**



Capacity development and networking with Germany for H2020 calls

- Total: **74 Events**
- 1.000 Turkish 780 German
  - Researchers





#### 2+2 Specific Call

- 2+2 Programme Call first launched in 2009.
- 4 out of 16 applications were supported
- 2nd call launched in 2014.
- 130 applications received!!!

### **Facilitation - Bilateral Cooperation with UK for H2020**

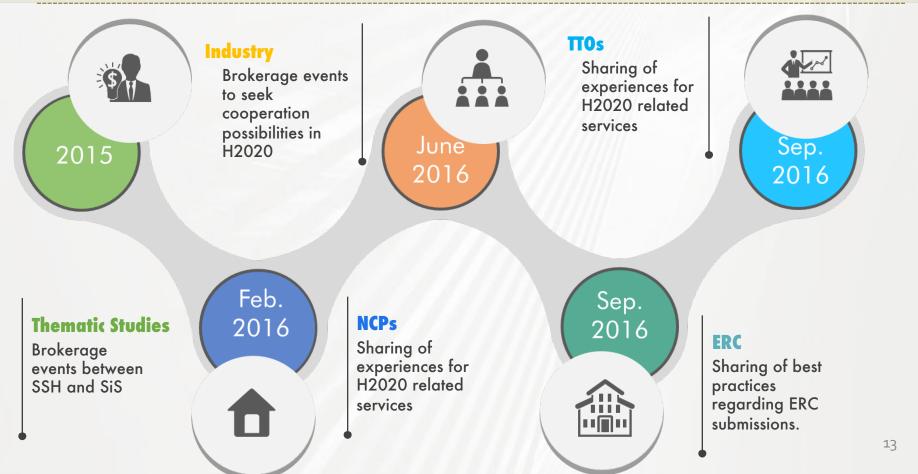


#### **2015 TR-UK Science and Innovation Year**

#### Newton-Katip Çelebi Fund



- Launched in September 2014
- 40 M Pound for Joint Projects betwen TR and UK



### EU Framework Programmes – Horizon 2020



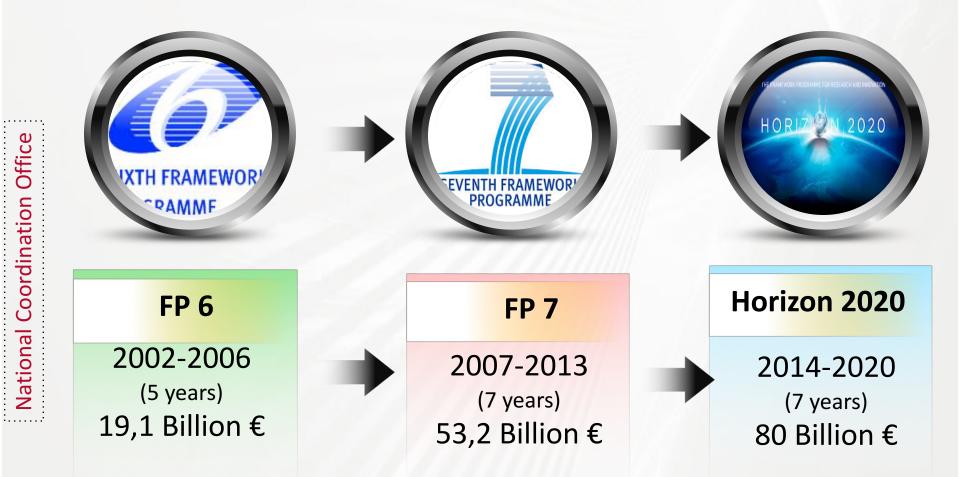


#### Main Objectives

- Enhance economic competitiveness through global cooperation
- Transform the accumulation of knowledge and experience into economic value
- Generating new businesses and employment
- Taking science and technology into market by utilizing the sources efficiently
- Producing solutions for societal, economical and technological challenges
- Developing new economical relations and accessing to new markets
  - Accessing to latest technology produced and used in other countries

### **EU Framework Programmes and Turkey**

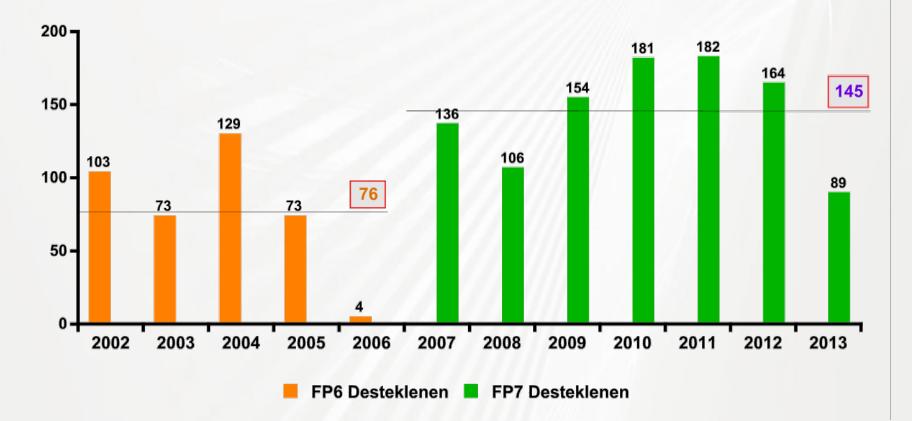




### Turkey's Performance - 6th and 7th FP



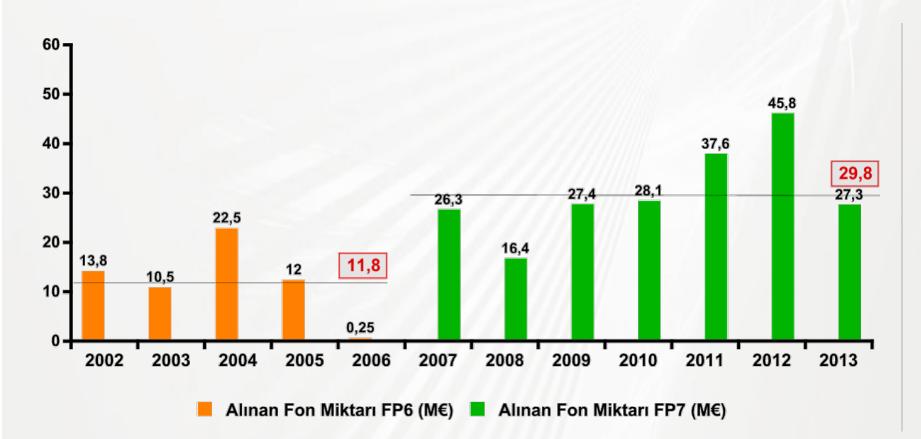
#### Turkey's average annual number of projects increased by 2 times between the 6th to the 7th Framework Programme



### **Turkey's Performance - 6th and 7th FP**

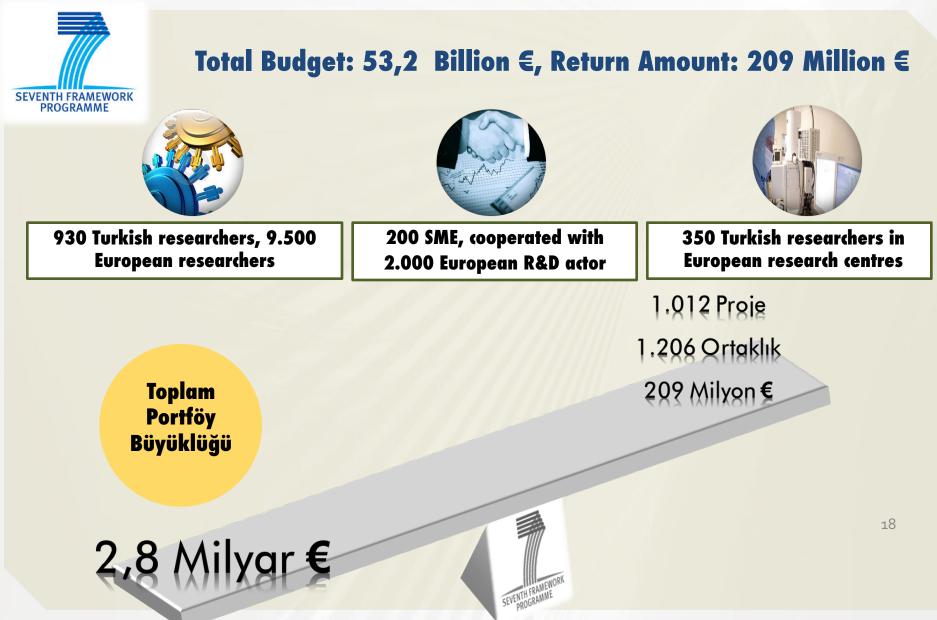


#### Turkey's average annual return increased by 2,5 times between the 6th to the 7th Framework Programme



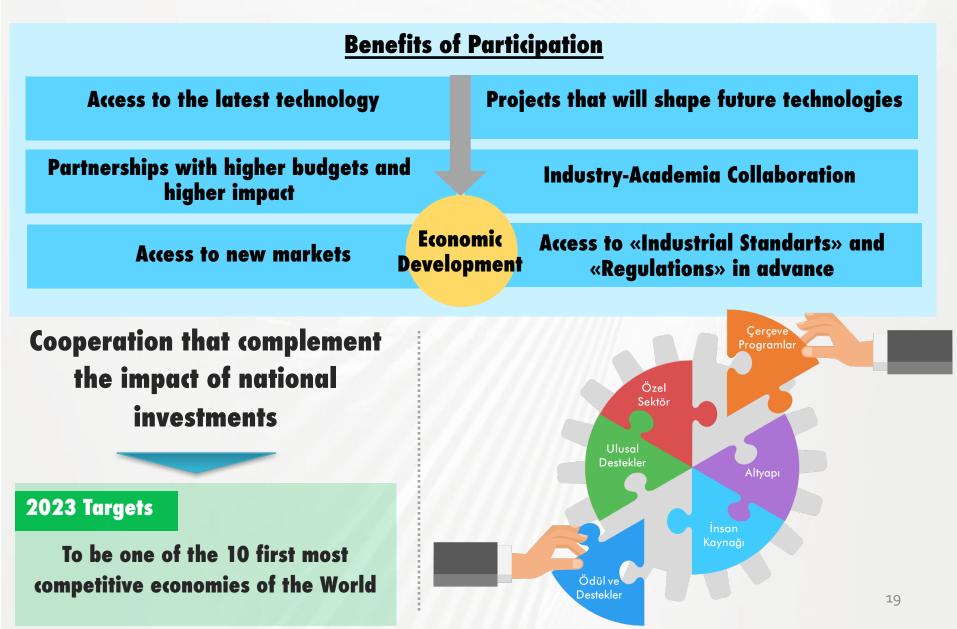
### **7th Framework Programme and Turkey**





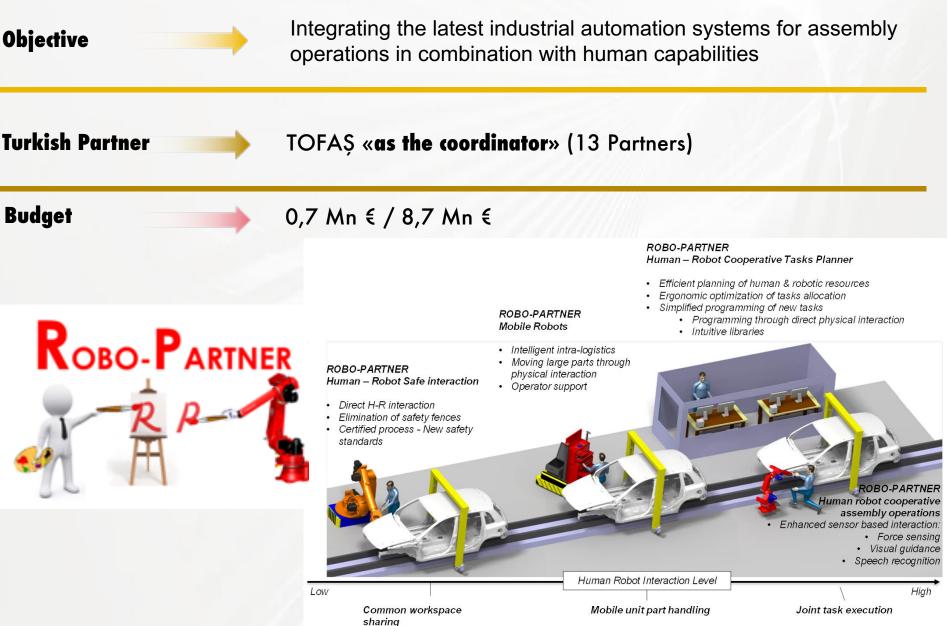
### **EU Framework Programmes and Turkey**



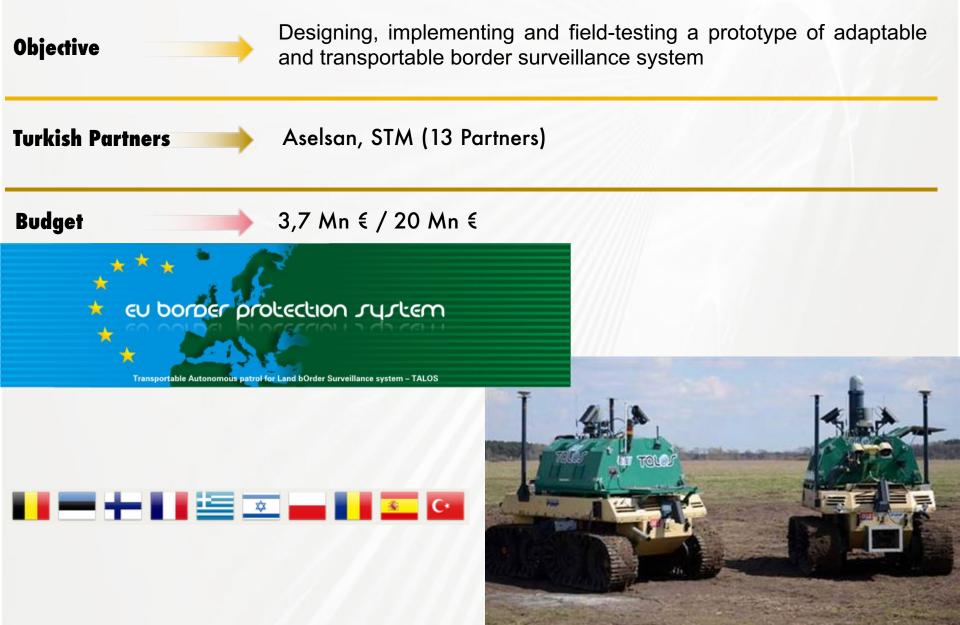


#### **Example 1: Seamless Human-Robot Cooperation**

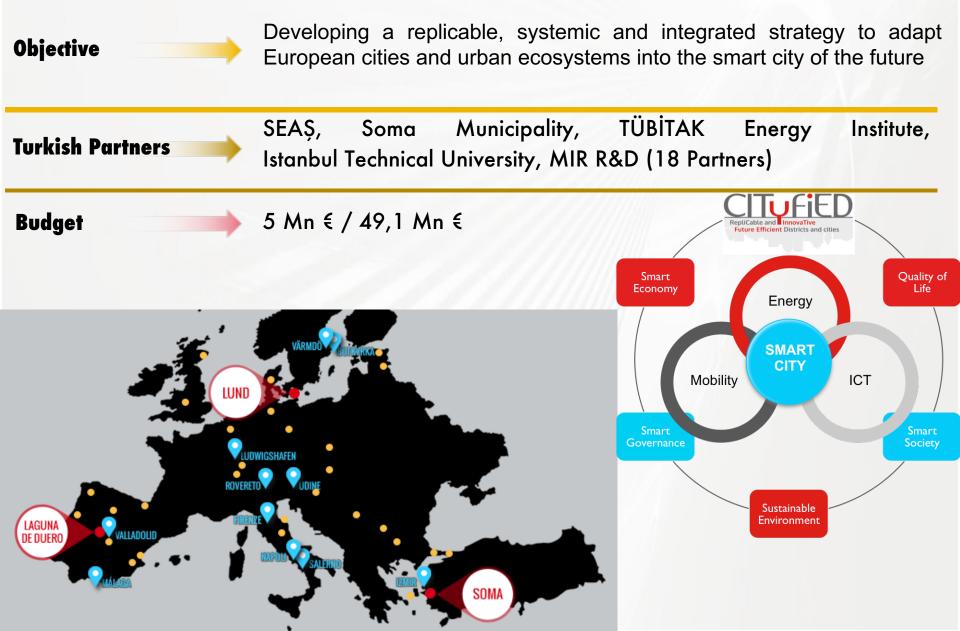






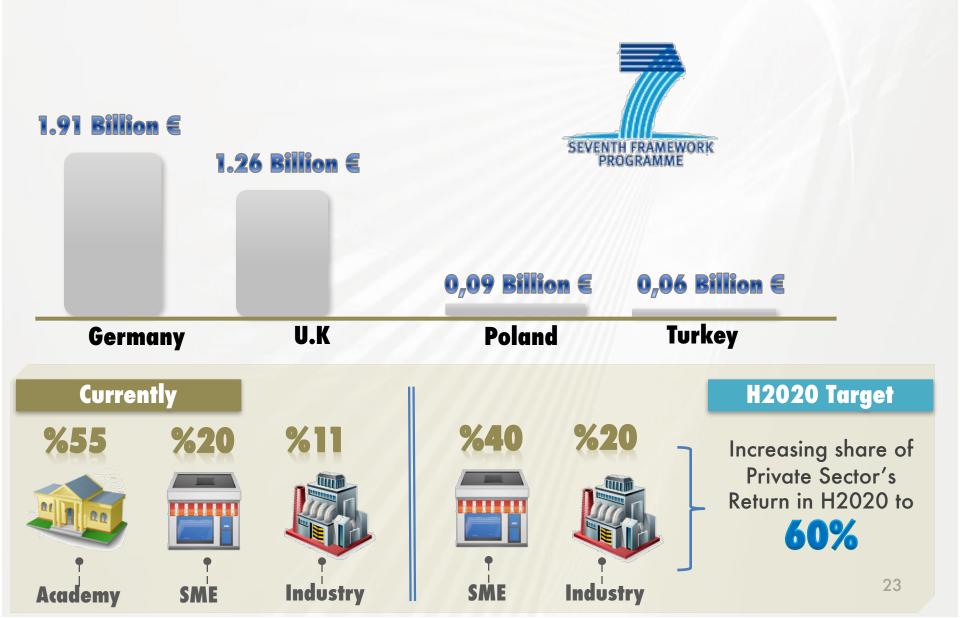






## **Turkish Industry in Framework Programmes**







City	# of Projects	Funded Budget (1.000 Euro)	Utilization
Ankara	501	93.176	40,7%
İstanbul	441	86.020	37,6%
İzmir	89	12.915	5,6%
Kocaeli	58	10.124	4,4%
Eskişehir	18	6.592	2,9%

#### H2020 ROADMAP VISION OF HORIZON 2020



TÜBİTAK

Increasing awareness at national level through enhanced training activities

#### **OBJECTIVE 2**

Development of initiatives and incentives aiming to encourage participation to the Programme

#### **OBJECTIVE 3**

Identifying capabilities in TARAL, increasing international visibility and developing cooperation with ERA

#### OBJECTIVE 4

Increasing cooperation with national institutions

#### **OBJECTIVE 5**

**OBJECTIVE** 1

**OBJECTIVES** H2020 ROADMAP

Developing synergy among national and international R&D programmes

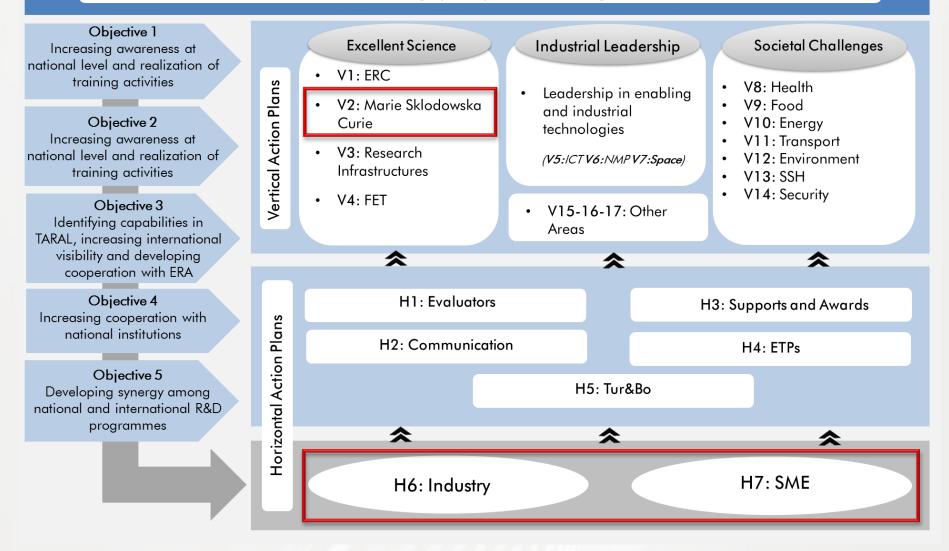
Steadily increasing and widening Turkey's participation in Horizon 2020 and maximizing the benefits to be utilized through participation to the Programme

### **451 million Euro**

#### Integration with ERA

#### 2015 Roadmap for Horizon 2020

Vision: Steadily increasing and widening Turkey's participation to Horizon 2020 and maximizing the benefits to be utilized through participation to the Programme.



# **A Set of Concerted Actions**

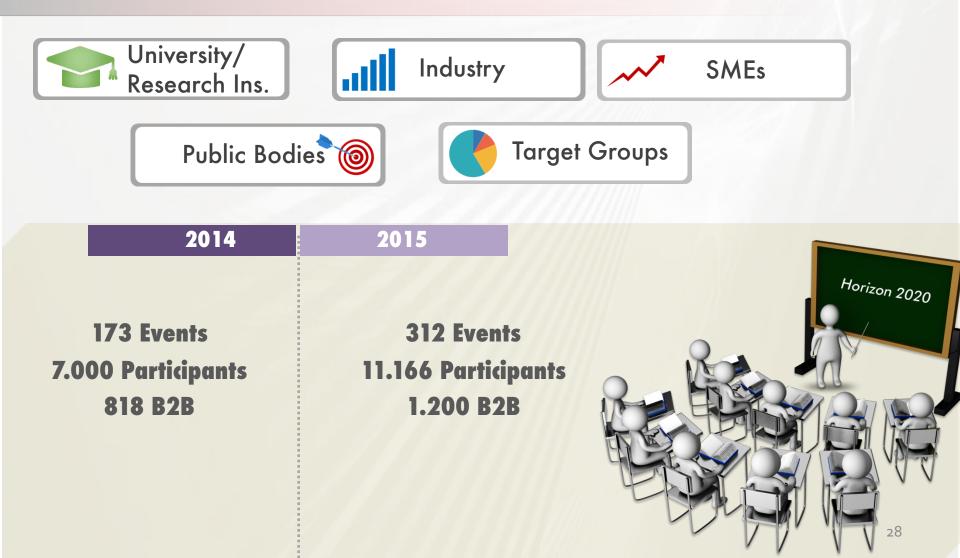




# **Raise Awareness - Trainings**

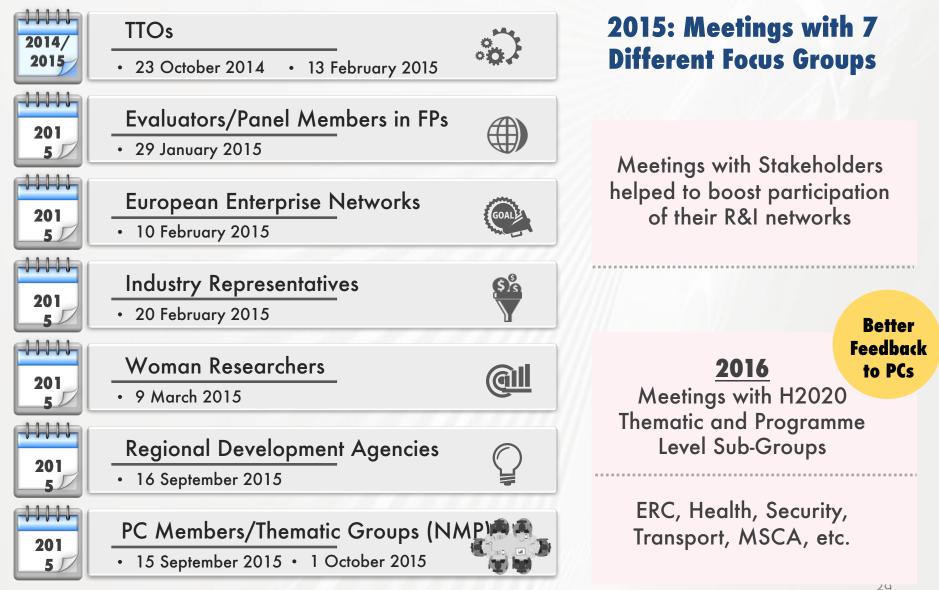


#### Horizon 2020 Related Trainings and Face to Face Meetings



# **Increase Participation - Workshops**





# **Industry Workshop**



#### Industry Workshop on the 20th of February 2015 in Ankara



Ortaya Konan Öneriler

	Vize Sorunu	• Sanayi kuruluşu temsilcilerinin vize sorunun AB Bakanlığı yoluyla çözülmesi		
Industry Representatives	Odak Gruplar	<ul> <li>Ulusal seviyede Ufuk 2020 Programı kapsamında odak çalışma grupları oluşturulması (imalat, enerji verimliliği grubu gibi)</li> </ul>		
Chambers of Commerce and Industry Public Institutions	Akademik Yükselme	<ul> <li>Akademisyenleri araştırma projelerine yönlendirmek adına, gerçekleştirecekleri ulusal ve uluslararası projelerin akademik yükselme sürecinde dikkate alınmasının sağlanması</li> </ul>		
	Yeni Destekler	<ul> <li>Ufuk 2020 Mentörlük Desteğinin hayata geçirilmesi</li> <li>Uluslararası ağlara katılım destek paketinin oluşturulması</li> </ul>		
	Diğer Konular	<ul> <li>5746 sayılı kanun dahilindeki vergi istisnalarının kapsamının genişletilmesi</li> <li>Ufuk 2020 gelecek çağrıların öncelikleri doğrultusunda, sanayinin kullanımına açık ulusal programların (1511/1003) Programlarının önceliklerinin uyumlaştırılması</li> <li>TURBO Ofisinin sanayi için de etkin kullanımının sağlanması</li> </ul>		

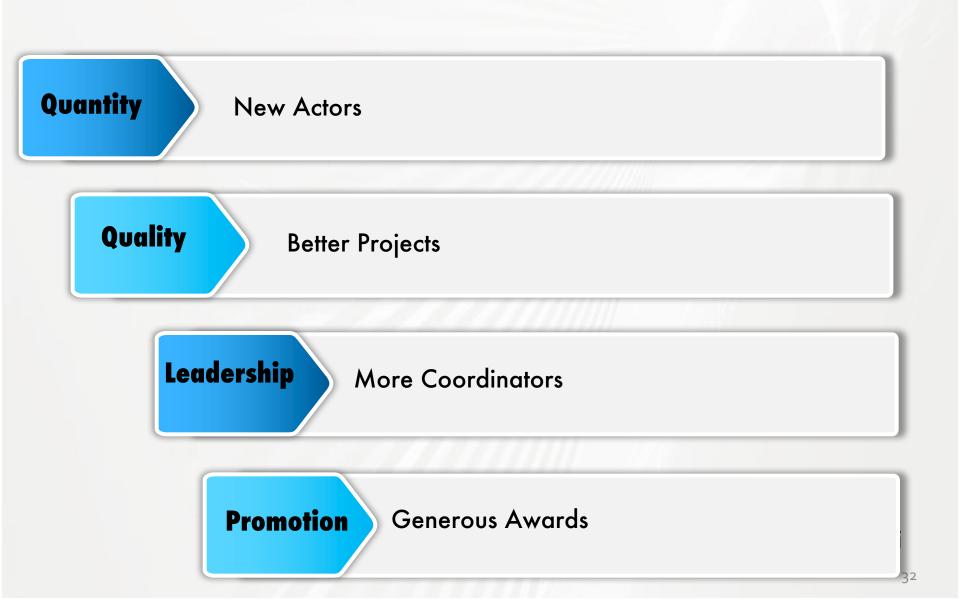


# **SUPPORT and AWARD PROGRAMMES**



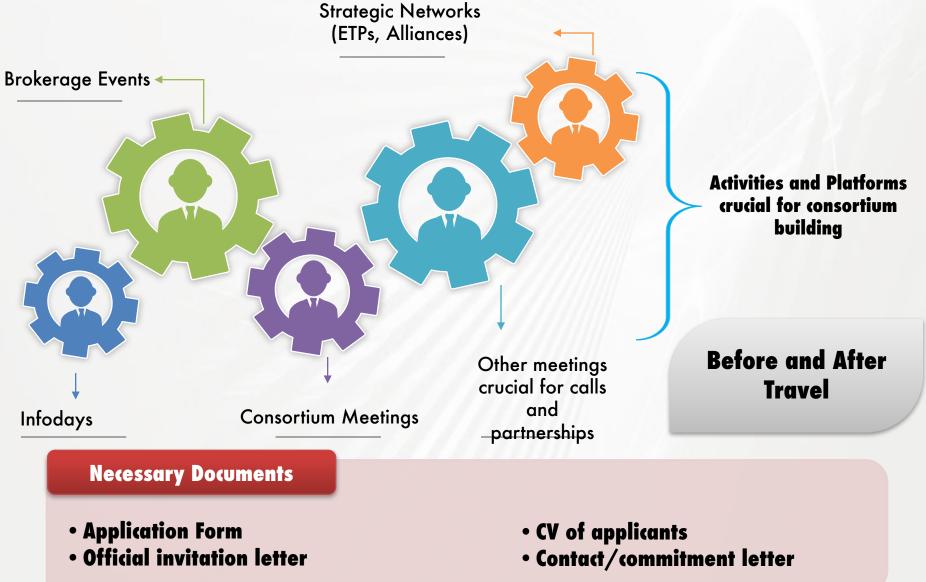
# **Fundamentals**





# **Support for H2020 Oriented Travels**





# **Support for H2020 Oriented Travels**



#### Up to 1.500 Euro for researchers and representatives/applicants



# **Support for H2020 Coordinators**



#### Up to 30.000 € support for each Potential Coordinator!

Context Grganization sup for consortiu building		Drojost writing		All programmes of H2020
Travel support fo consortium buildi		Project pre- evaluation service support	subm trai	writing- ission ning port
Тип	vel Support		Organization	Support

#### Travel Support

- Potential coordinator/project team
- Travel and accomodation
- Participation to meetings/lobbying EC
- Up to 4 travels per projects

#### Up to 1.500 €

# P

#### **Organization** Support

- Organizations in Turkey or abroad
- Max. 2 days
- Venue, catering, technical equipments, travel for two representatives from project team

#### Up to 30.000 TL

35

# **Support for H2020 Coordinators**



#### Project writing-submission training

- Coordinator Candidate or project team: Up to 3 people
- Training fee, travel and accomodation costs
- Participation to trainings (Financial Issues, IPR, Project idea compiling, etc.)

#### **Project writing support**

- Max. once for each project
- Converting ideas to project by professionals

#### Up to 15.000 €

#### Up to 9.000 €



#### **Project pre-evaluation support**

- Evand revision for submission
- Max. once for each project
- aluation of projects by professionals

#### Up to 8.000 €

# **Support for ERC Candidates**



## **ERC Principal Investigator Enhancement Programme**

#### Project Writing – Submission Trainings

- Conceptualizing and writing project idea
- Participation to upto 2
   trainings
- Per training incl. travel costs for 2.500€

#### **Project Pre-evaluation Support**

- Evaluation by professionals before submission
- Evaluation of Project idea
- Written scientific evaluation: B Forms
- Via internet, telephone or meeting
- Travel support
- Up to 7.500€

#### **Interview Trainings**

- Participation to ERC interview trainings
- Participation ot 1 training
- Per training incl. travel costs for 2.500€

#### EXCEPTIONS

- ERC applicants succeeded to pass the 1st stage
- MSCA IF grant holders
- TÜBİTAK Science Award Holders

- EMBO Settlement Support Programme, Young Researchers, Long-term fellowship holders
- COST action proposers

## **MSCA Pre-Evaluation Support Programme**



### **MSCA IF Project Pre-Evaluation**



- Project should be implemented in Turkey
- Candidates should be bearing the requirements of the MSCA Call
- B Form

Support for upto 8.000 €

## **Award for Above the Tresholds**



## **Application, Eligibility and Requirements**

#### <u>Award:</u>

Multipartner Project

 Partner
 : 3.500 €

 Coordinator
 : 7.000 €

- Single partner SME Projects : 5.250 €
- MSCA Projects (80 score)
   2.000 €
   : 3.000 €

(90 score)

To project team and coordinator

- Due to above treshold limit in each call
- Success in resubmission: right to apply for success award



## **Granted Projects**

Calculation Example				
Budget	Formula	Partner	Coordinator	
220.000	3.500€ + (budget x 7%)	18.900	37.800	
500.000	8.500€ + (budget x 5%)	33.500	67.000	
1.200.000	28.500€ + (budget x 3% )	64.500	129.000	

## **Award for Successful ERC Applicants**



ERC Success Award					
Programme	For	nula			
ERC Starting Grant	25.000 € + (budget x 9%)				
ERC Consolidator Grant	30.000 € + (budget x 9%)				
ERC Advanced Grant	35.000 € + (budget x 9%)				
Exc (Eu	ample ro∕€)				
Exc (Eu Project Budget	ample ro/ミ) Starting Grant	Advanced Grant			
(Eu	ro/E)	Advanced Grant 170.000			

## **Supporting Participation - New Programmes**



### Support for Bringing Coordinators to Turkey

Foreign Coord. Support



 Enabling meeting of Turkish researchers with potentially strong Coordinators from abroad

#### Content



- Turkish Researcher who wish to bring foreign coordinator to TR will apply
- Travel and Accomodation Support

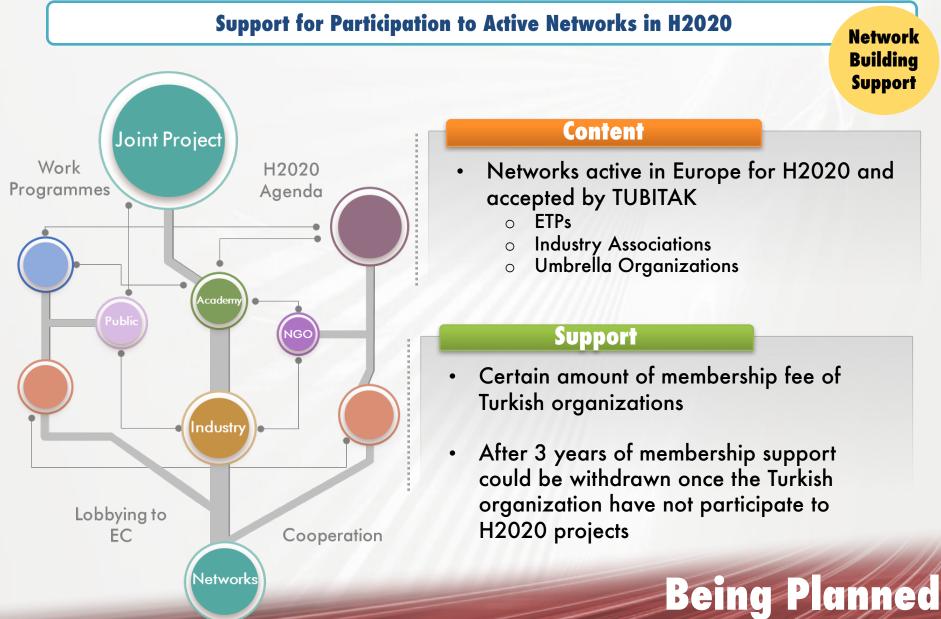


- Small workshops and bilateral meetings
- Total 2.000 €

# **Being Planned**

## **Supporting Participation - New Programmes**





# **TÜBİTAK National Coordination Office**



**One-to-One Consultancy and Mentorship** 

**Mediation for Partnerships** 

**Support in Project Execution** 



**Award and Support Incentive Mechanisms** 

## **IPA Projects with EU Contributions**



Duration Budget

# : 24 May 2011 – 24 March 2014 (34 Months) : 2.250.000 Euros



Activity	Realized
Establishing an «Information Multipliers System»	51 Information Multipliers through Turkey
Trainings	Advanced Trainings to 1.000 People
SME Consultancy	One-to-One Consultancy to 103 SMEs
Consultancy on Intellectual Property Rights	Consultancy to 31 Firms
Travelling Grants	For 120 Researchers
e-Learning Modules	Development of 5 e-Learning Modules

## «TurkeyinFP7» International Brokerage Events



## • September 2011 – Istanbul – «ICTurkey 2011»

- Information and Communication Technologies
- Minister of Science and Industry attended
- 215 participants with project ideas
- May 2012 Istanbul «TurKey Enabling Technologies 2012»
  - Biotechnology, Advanced Materials, Manufacturing Technologies, Space Technologies
  - DG Research and Innovation attended
  - 450 participants

## • October 2012 - Brussels - «Turkey In2Societies»

- Socioeconomic Science and Humanities, Secure
- 171 participants

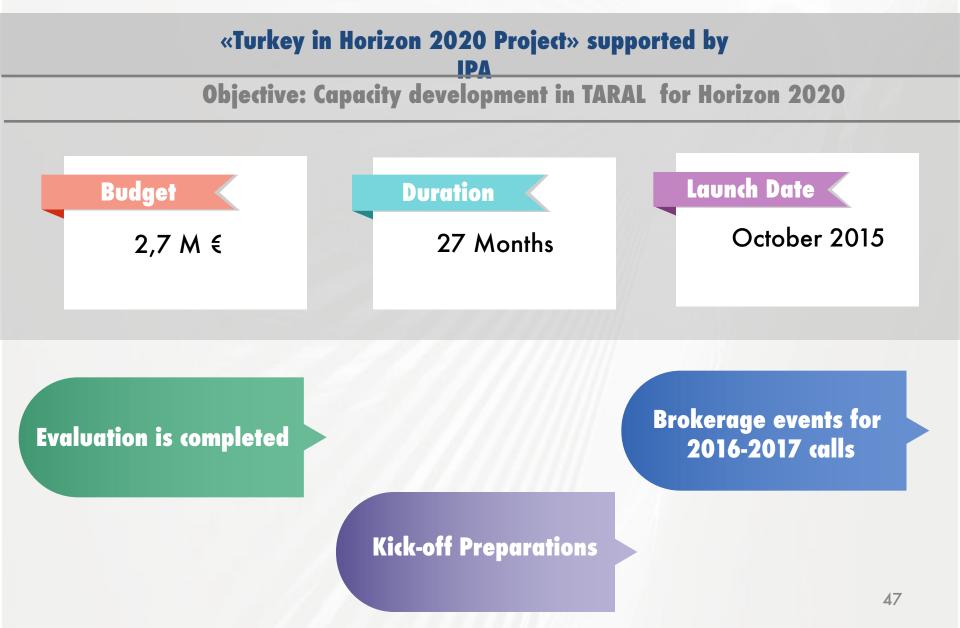






## **Supporting Participation-TR in H2020 Project**





		Membership	Championship
Political	Membership App to EEC	1959	?
Sports	UEFA	1962	2000
Music	Eurovision	1975	2003
Science/Innovation	Framework Programmes	2003	



# Thanks you

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