



EU Framework Programmes and Turkey

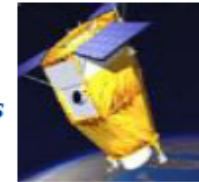
Prof. A. Arif ERGİN
TÜBİTAK President



*Combining several key enabling technologies for
advanced products*

Satellite & communication

Advanced materials



Harsh environment skin



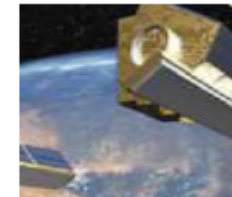
Rad hard



RF

Microelectronics

Nanotechnologies

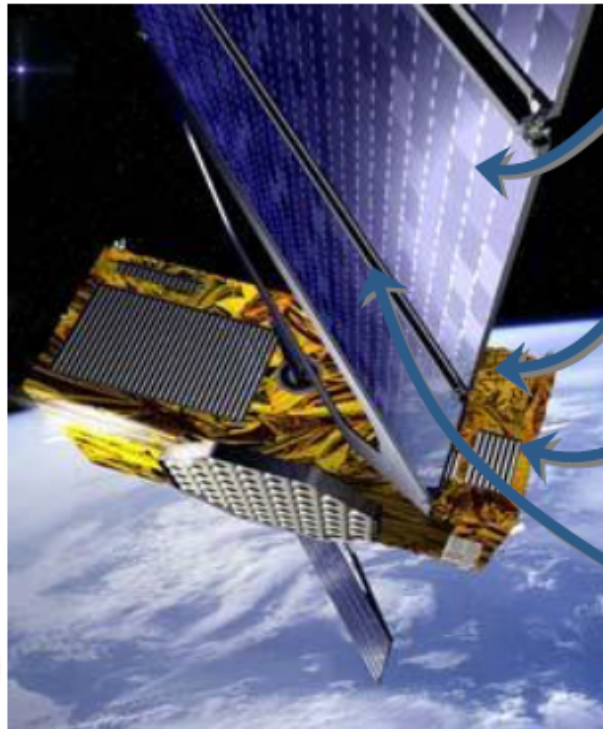


Sensors and radars

Photonics



PV modules



**Societal
Challenge**

Information



New services &
applications (navigation,
environment, security,
GMES, telecommunica-
tions, meteorology)



Combining several key enabling technologies for advanced products

**Societal
Challenge**

Health



New nanotechnology-based diagnostics
New target drug delivery and release
Regenerative medicine

Nanomedicine



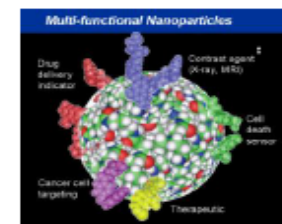
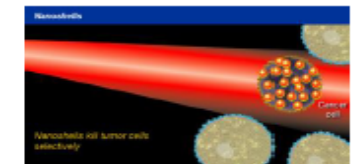
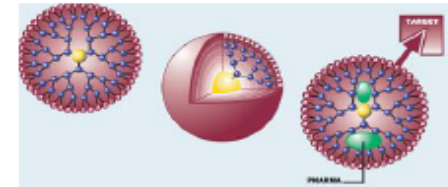
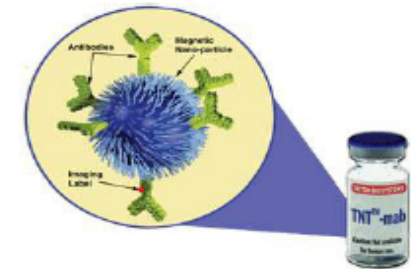
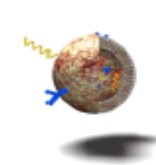
Advanced materials

Microelectronics

Nanotechnologies

Photonics

Biotechnologies





Combining several key enabling technologies for advanced products

**Societal
Challenge**

Energy

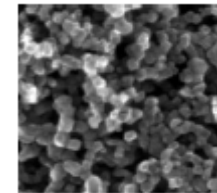


**Combating
climate change**

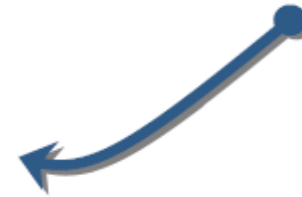
Photovoltaic cells



Advanced materials



Organic product



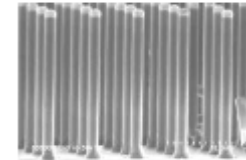
Microelectronics



*Smart meter for utility
energy consumption*



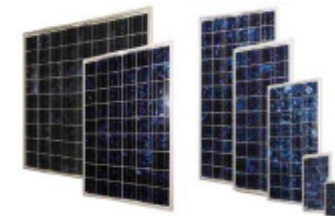
Nanotechnologies



Si Nanowire



Photonics



PV modules



Information and Communication Technologies

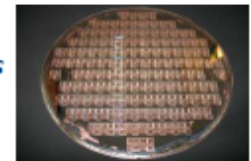


Combining several key enabling technologies for advanced products

Smartphone

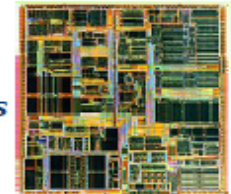


Advanced materials



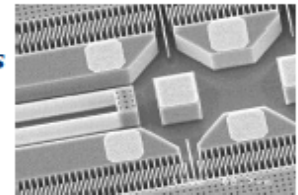
substrate

Microelectronics



Chip

Nanotechnologies



Mems

Photonics



Camera

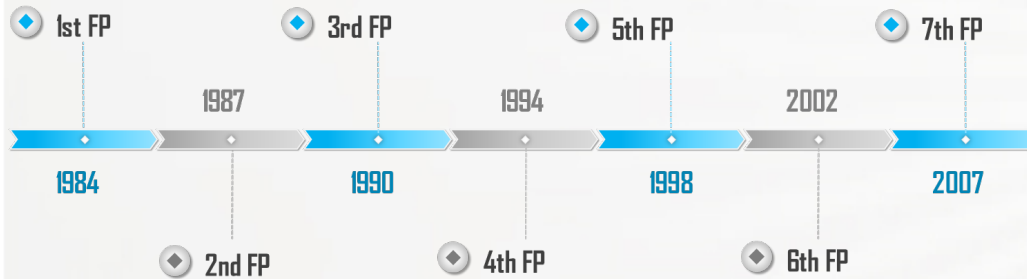
**Societal
Challenge**

Information



**Digital
Society**

EU Framework Programmes – Horizon 2020



2014-2020

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



FP 6

2002-2006
(5 years)

19,1 Billion €



FP 7

2007-2013
(7 years)

53,2 Billion €



**Horizon
2020**

2014-2020
(7 years)

80 Billion €

Horizon 2020 Call Results

2014-2015



Project Applications
2.027

Projects Funded
195

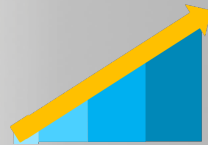


Project Applications
76.032

Projects Funded
8.639

Share of TR in Project Applications

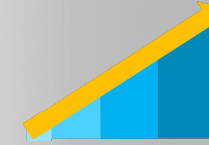
2,34%
2014



3,03%
2015

Share of TR in Projects Funded

1,98%
2014



2,67%
2015

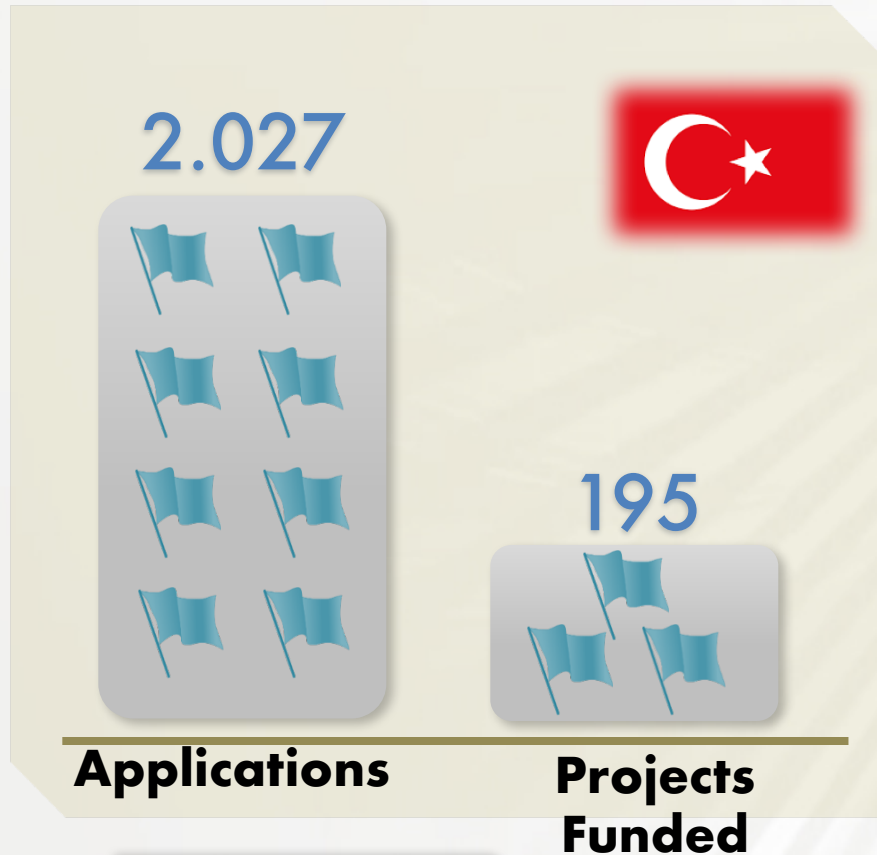
2016



Project Applications
464

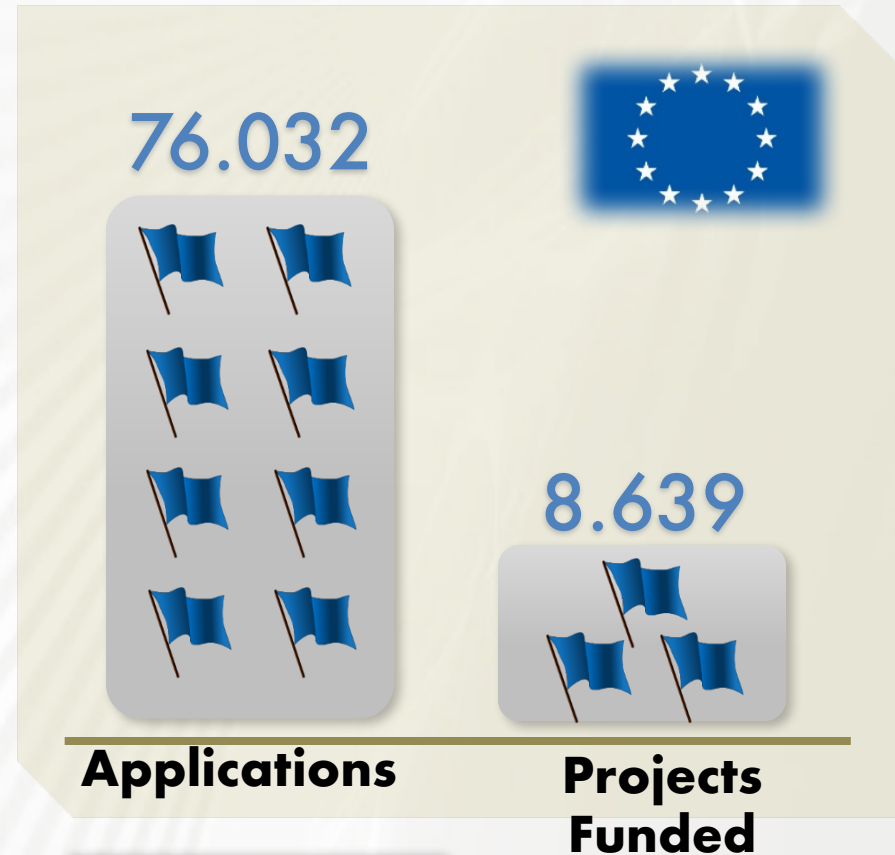
Projects Funded
50

H2020 Performance (2014-2015)



TR Success Rate

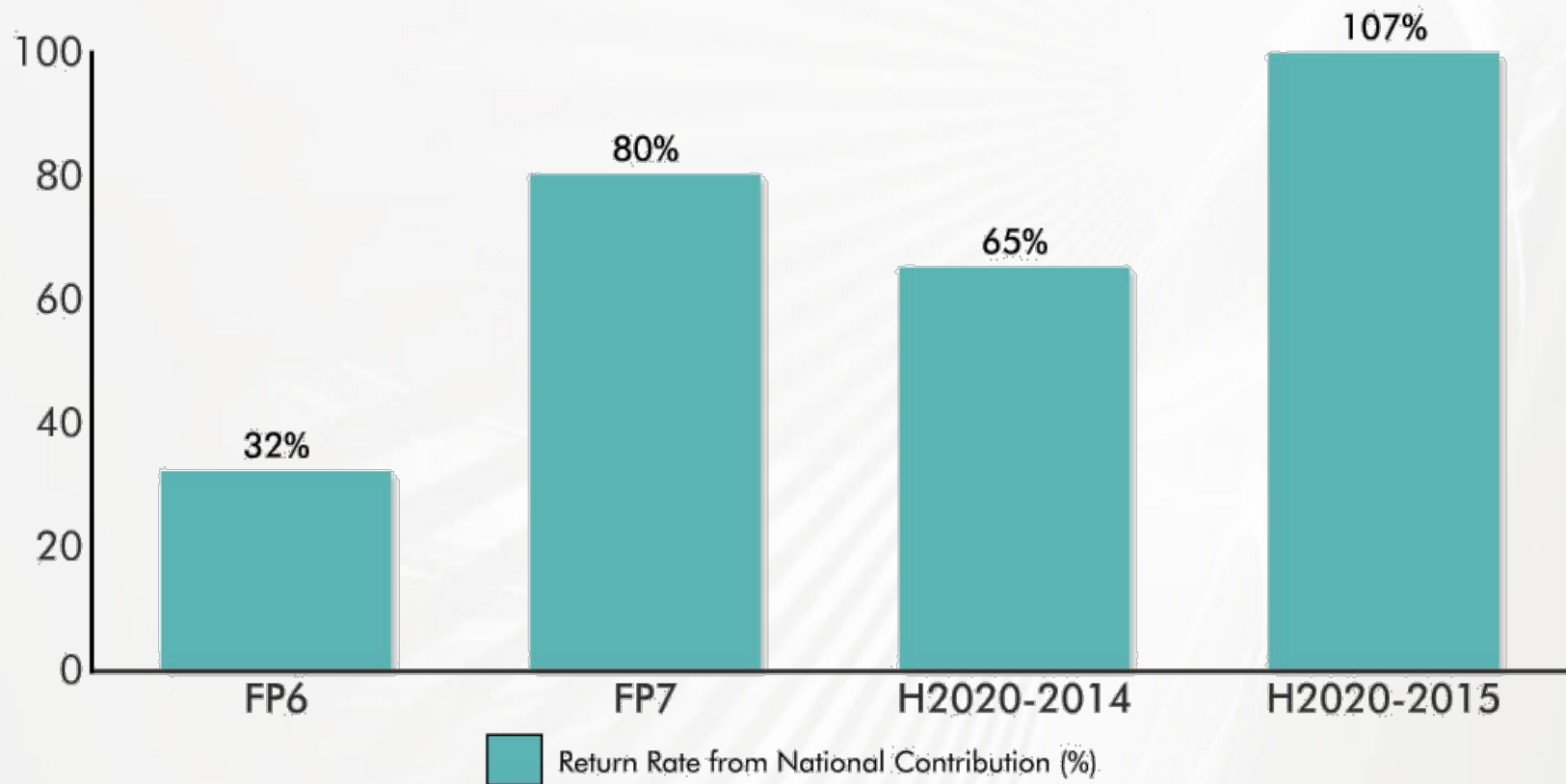
9,62 %



EU Success Rate

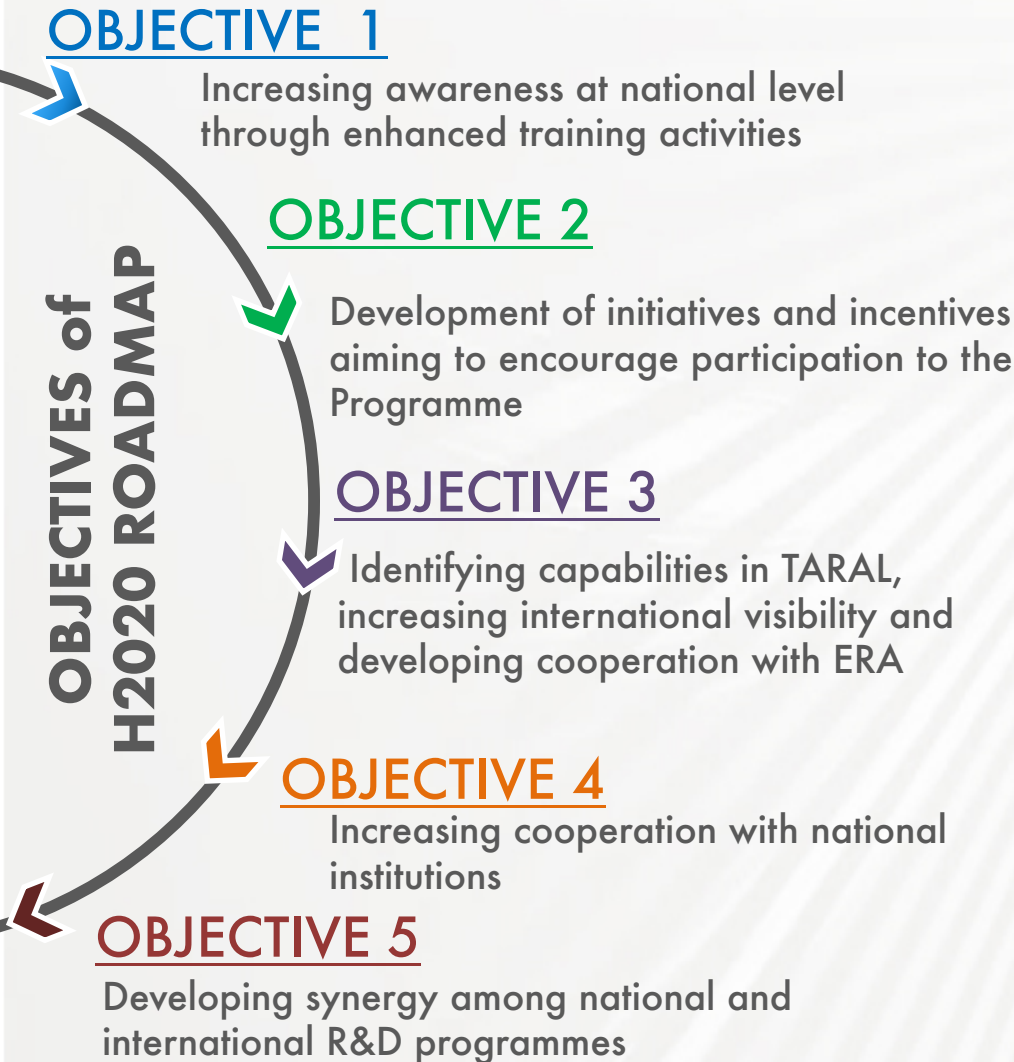
11,36 %

Return Rates (%)



M €	FP6	FP7	H2020-2014	H2020-2015
National Contribution	185	261	44,1	39,6
Return Amount	59	208,9	28,9	42,5

Horizon 2020: 2016-2017 Roadmap



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

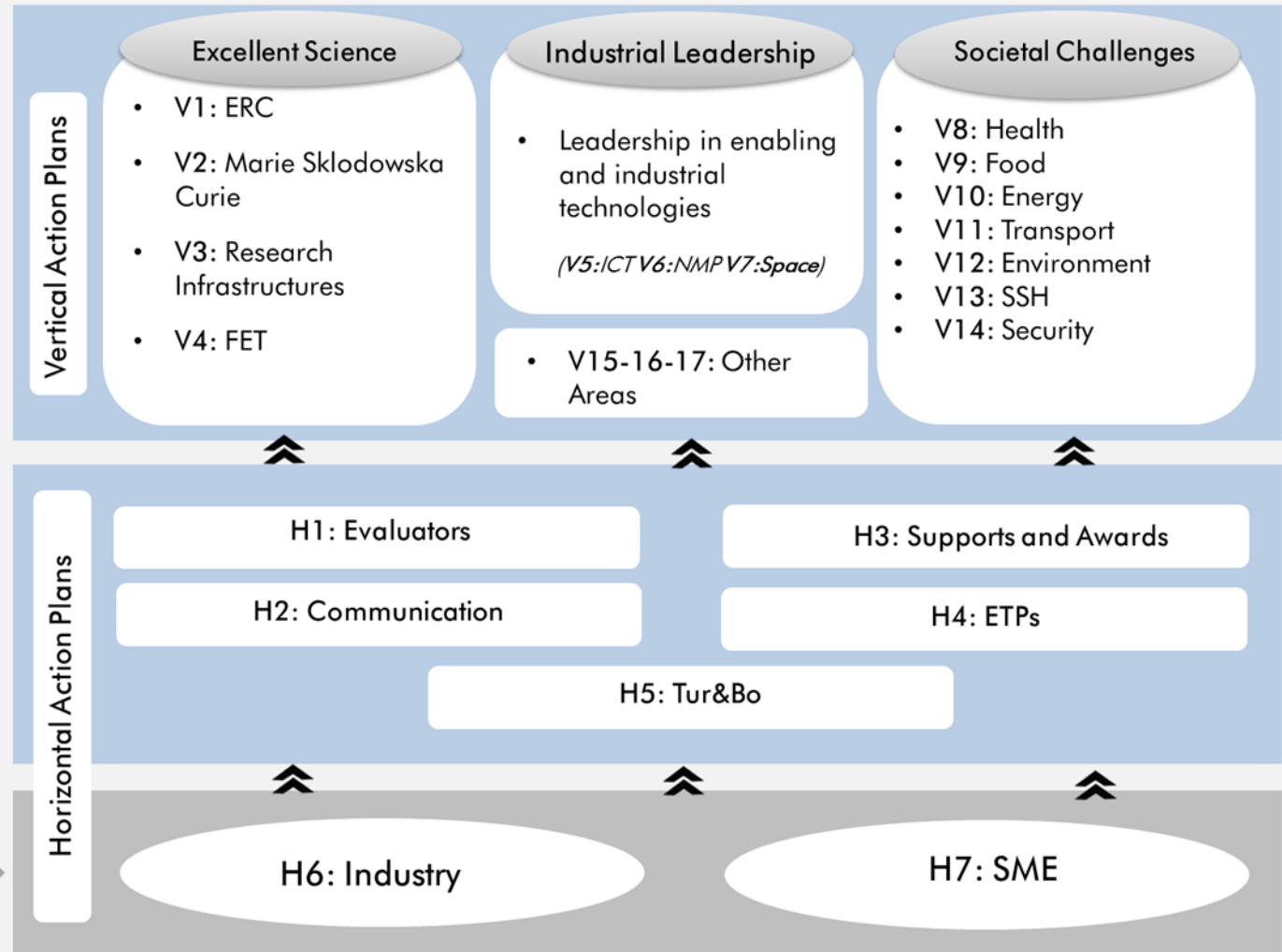
**451 million
Euro**

Integration with ERA

Horizon 2020: 2016-2017 Roadmap

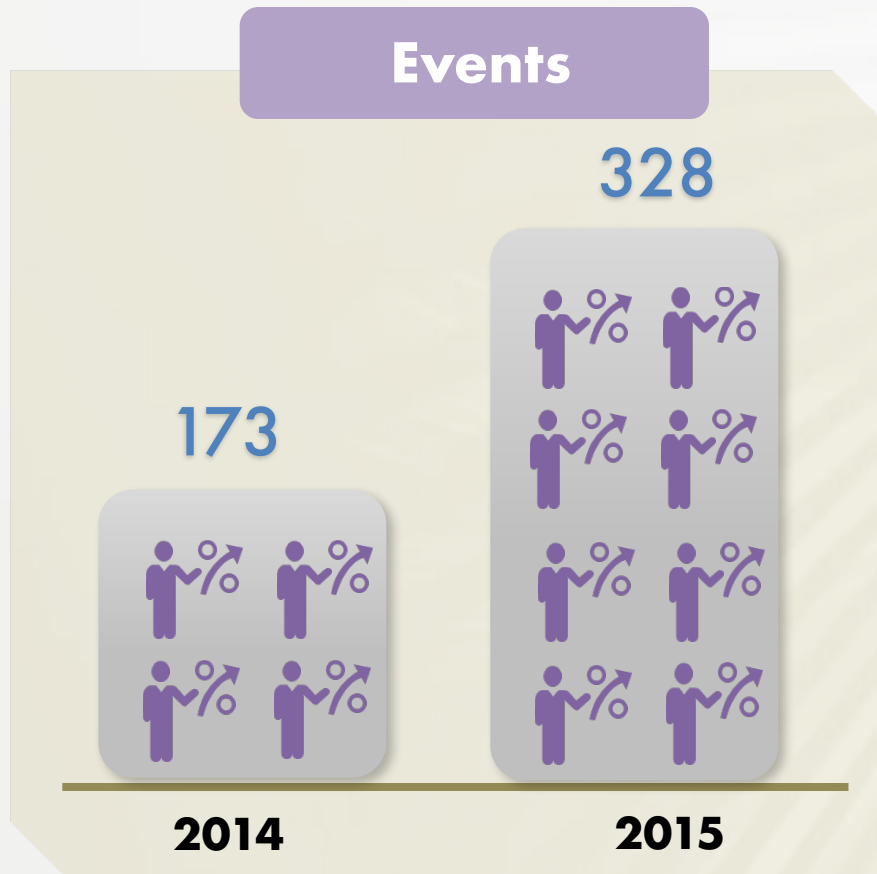
Strategic Framework

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



Events and Participants Reached

Outreach of Trainings, Infodays, 1-to-1 Meetings



In 2016 by August we reached around 9.000

H2020 Support and Award Programmes

Main Goals of the Programme



Networking

- Trust relations among Turkish and European research and innovation actors

Participation

- Enable more and more new comers to access to consortia

Quality

- Increase the scientific, implementation, impact quality of proposals

Leadership

- More and more leading roles in research and innovation consortia

Encouragement

- Fairly award effort and success

H2020 Support and Award Programmes

Increasing the quality and quantity of participation in H2020!

	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
Coordinator Support 	Increasing the number of coordinators in multi-partner projects and SME projects	Training for preparing and submitting project proposals, Pre-evaluation Service, Project Preparation Service, Organization Support, Travel Support	Max. 33.000€/Project
Success and Above-Threshold Reward 	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

Support for H2020 Oriented Travels

Up to 1.500 Euros for researchers and representatives/applicants

Eligible Costs

- Accomodation
- Domestic Transport
- Visa
- Flight tickets
- Participation fee
- Daily Allowance

**Travel
Support**

Important Issues

**Report of meetings
and events
expected**

**Max. 4 travel per
year**

**Obligation of
project: max 4
travel support in
same field**



Support for H2020 Coordinators

Up to 30.000 € support for each Potential Coordinator!

Context		All programme s of H2020	
Travel support for consortium building		Organization support for consortium building	Project writing service support
		Project pre- evaluation service support	Project writing- submission training 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 €



Organization Support

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

Up to 10.000 €



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.)**

Up to 9.000 €



Project writing support

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

Up to 15.000 €

Project pre-evaluation support

- **Evaluation of projects by professionals and revision for submission**
- **Max. once for each project**

Up to 8.000 €

Multipartner Project

Partner	: 3.500 €
Coordinator	: 7.000 €

Projects scoring above the threshold by
European Commission Evaluations

Encouraging re-submissions!



Granted Projects

Calculation Example

Budget	Formula	Partner	Coordinator
220.000	$3.500\text{€} + (\text{budget} \times 7\%)$	18.900	37.800
500.000	$8.500\text{€} + (\text{budget} \times 5\%)$	33.500	67.000
1.200.000	$28.500\text{€} + (\text{budget} \times 3\%)$	64.500	129.000

Thank you for your attention...