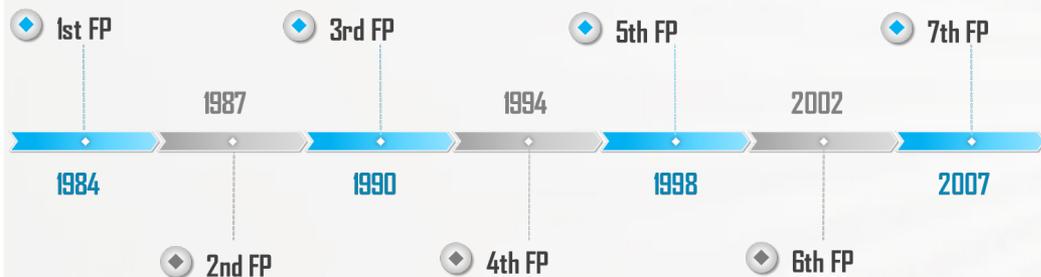




M. Emre YURTTAGÜL

26/05/2016



2014-2020

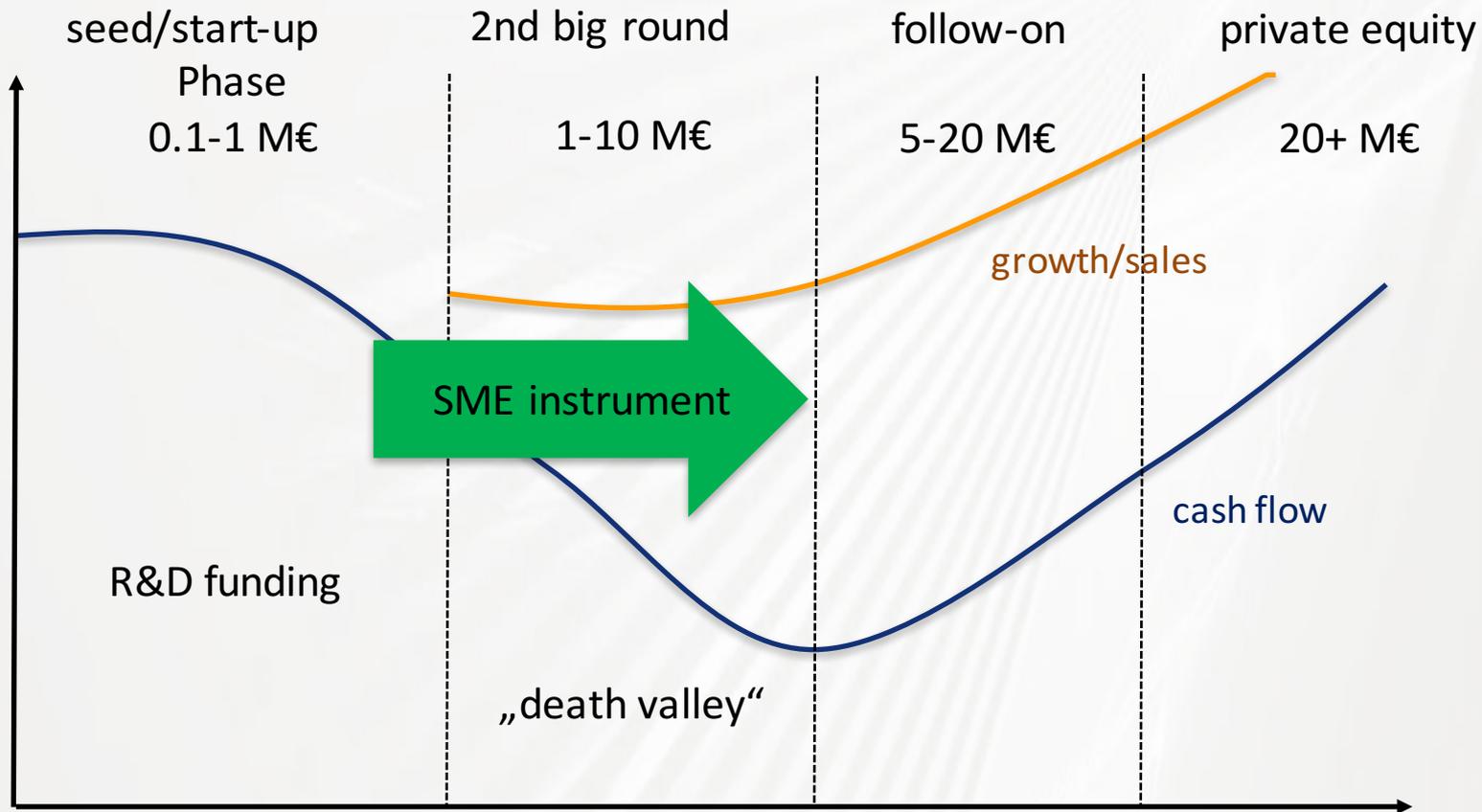
Horizon 2020

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



Where is the funding gap?





**H2020:
2014-2020**

Excellence in Science

Excellence focus in research and
innovation

**Total Budget: 80
B€**

Industrial Leadership

Innovation and private
sector focus

Societal Challenges

Research and innovation for
societal problems

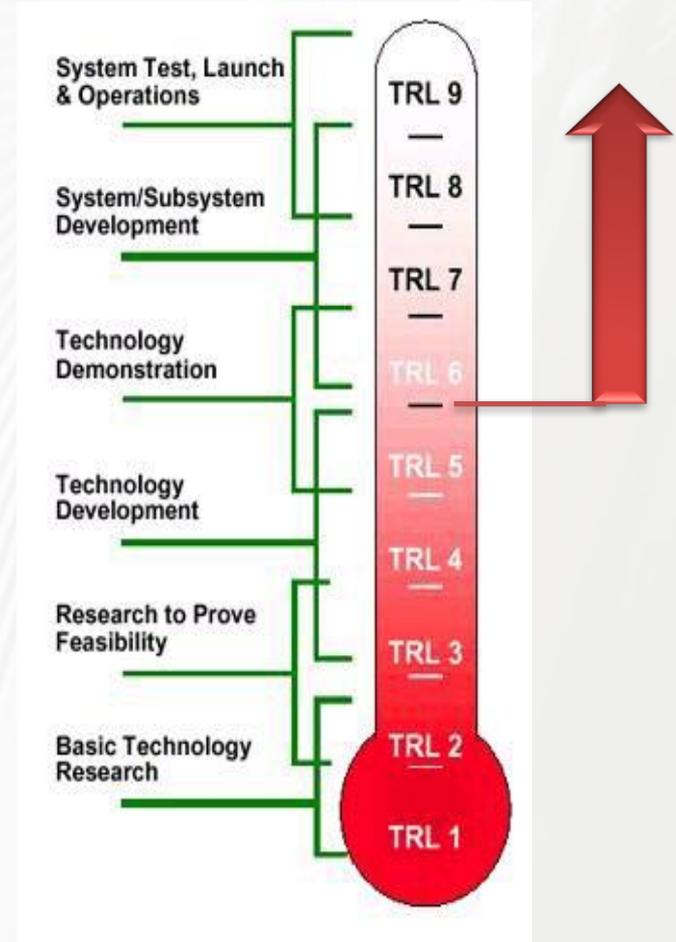
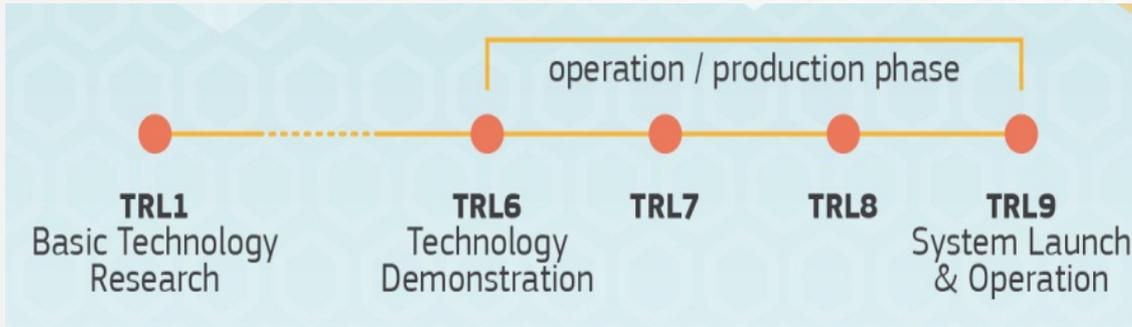
24,44 B €

17,01 B €

29,68 B €



Technology Readiness Level for SMEI



**20 %
budgetary
target in
LEITs & SC
~ 8,65 B€**

**Collaborative Projects
%13 ~ 5,62 B€**

**SME Instrument
%7 ~ 3,03 B€**

**'Innovation in
SMEs'**

Eurostars II

Access to Risk Finance



Phase 3 = 1% budget

Phase 1: Concept and feasibility assessment

Input: Idea/Concept: "Business Plan 1" (~ 10 pages)
10% budget

Activities:

Feasibility of concept
Risk assessment
IP regime
Partner search
Design study
Pilot application
etc.

Output: elaborated "Business plan 2"

Lump sum: 50.000 €
~ 6 months

Phase 2: R&D, demonstration, market replication

Input: "Business plan 2" plus description of activities under Phase 2 (~ 30 pages)
87% budget

Activities:

Development, prototyping, testing, piloting, miniaturisation, scaling-up, market replication, research

Output: "investor-ready Business plan 3"

1-3 (5) M€ EC funding
~ 12 to 24 months

Phase 3: Commercialisation

Promote instrument as quality label for successful projects
Facilitate access to private finance

Support via networking, training, information, addressing i.a. IP management, knowledge sharing, dissemination

SME window in the EU financial facilities (debt facility and equity facility)

Possible connection to PPC (and PPI?)

No direct funding

- Targeted at all types of innovative SMEs showing a strong ambition to develop, grow and internationalize
- Only SMEs will be allowed to apply for funding and support
- Open call, single company support possible
- No obligation for applicants to sequentially cover all three phases; each phase open to all SMEs
- Funding rate in Phase 2 70% + 25% overhead. Exception for health topic (100% + 25%)
- Universities, research institutes and large enterprises can only be subcontractors
- 20 K € advance payment for Phase 1, up to half of the project budget for Phase 2

- Objectives:
 - Enhance the commercial potential and impact of SME participation in the dedicated H2020 instrument
 - Achieve tangible organizational change
 - Leave a legacy, H2020 to become the stepping stone to sustainable high growth
- Delivered by high calibre individuals with substantial experience in working in or with high growth businesses at a senior level (Coaches are independent of EEN)
- Accessible through the regional EEN which will support the coach by linking the SME to EEN and regional/ national support services

- Voluntary coaching offered in Phase 1 and Phase 2:
 - ✓ Phase 1 – 3 coaching days
 - ✓ Phase 2 – 12 coaching days
- Coaches will drive the performance of the organization by working with the senior management team
- Coach suggestion provided by the EEN, but final selection by the SME
- Coach and SME to decide a coaching plan in Phase 1. A summary of coaching foreseen for Phase 2 will form part of application to Phase 2
- Coaching paid in addition to Phase 1 and Phase 2 contribution

- ❖ Call budget: 353.40 M€
- ❖ Call launch date: 26 November 2015

| | Phase 1 | Phase 2 |
|---------------|--|--|
| Cut-off dates | 24/02/2016 03/05/2016 07/09/2016 09/11/2016 | 03/02/2016 14/04/2016 15/06/2016 13/10/2016 |

Information and Communication Technologies

SMEInst-01-2016-2017

Open Disruptive Innovation Scheme

60.00 M€

Faz 1: 120 proje, Faz 2≈ 34 proje

Nanotechnologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing

SMEInst-02-2016-2017

Accelerating the uptake of nanotechnologies advanced materials or advanced manufacturing and processing technologies by SMEs

31.83 M€

Faz 1: 64 proje, Faz 2≈ 18 proje

SMEInst-03-2016-2017

Dedicated support to biotechnology SMEs closing the gap from lab to market

7.50 M€

Faz 1: 15 proje, Faz 2≈ 4 proje

Space

SMEInst-04-2016-2017

Engaging SMEs in space research and development

11.37 M€

Faz 1: 23 proje, Faz 2≈ 7 proje

Health, demographic change and wellbeing

SMEInst-05-2016-2017

Supporting innovative SMEs in the healthcare biotechnology sector

35.00 M€

Faz 1: 70 proje, Faz 2≈ 20 proje

SMEInst-06-2016-2017

Accelerating market introduction of ICT solutions for Health, Well-Being and Ageing Well

18.00 M€

Faz 1: 36 proje, Faz 2≈ 10 proje

Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bio-economy

SMEInst-07-2016-2017

Stimulating the innovation potential of SMEs for sustainable and competitive agriculture, forestry, agri-food and bio-based sectors

25.46 M€

Faz 1: 51 proje, Faz 2≈ 15 proje

SMEInst-08-2016-2017

Supporting SMEs efforts for the development - deployment and market replication of innovative solutions for blue growth

9.50 M€

Faz 1: 19 proje, Faz 2≈ 6 proje

Energy Challenge

SMEInst-09-2016-2017

Stimulating the innovation potential of SMEs for a low carbon and efficient energy system

46.00 M€

Faz 1: 92 proje, Faz 2≈ 27 proje

Smart, green and integrated transport

SMEInst-10-2016-2017

Small business innovation research for Transport and smart cities mobility

57.57 M€

Faz 1: 115 proje, Faz 2≈ 33 proje

Climate action, environment, resource efficiency and raw materials

SMEInst-11-2016-2017

Boosting the potential of small businesses in the areas of climate action, environment, resource efficiency and raw materials

25.00 M€

Faz 1: 50 proje, Faz 2≈ 15 proje

Europe in a changing world - inclusive, innovative and reflective Societies

SMEInst-12-2016-2017

New business models for inclusive, innovative and reflective societies

10.80 M€

Faz 1: 22 proje, Faz 2≈ 6

Secure societies – Protecting freedom and security of Europe and its citizens

SMEInst-13-2016-2017

Engaging SMEs in security research and development

15.37 M€

Faz 1: 30 proje, Faz 2≈ 9 proje

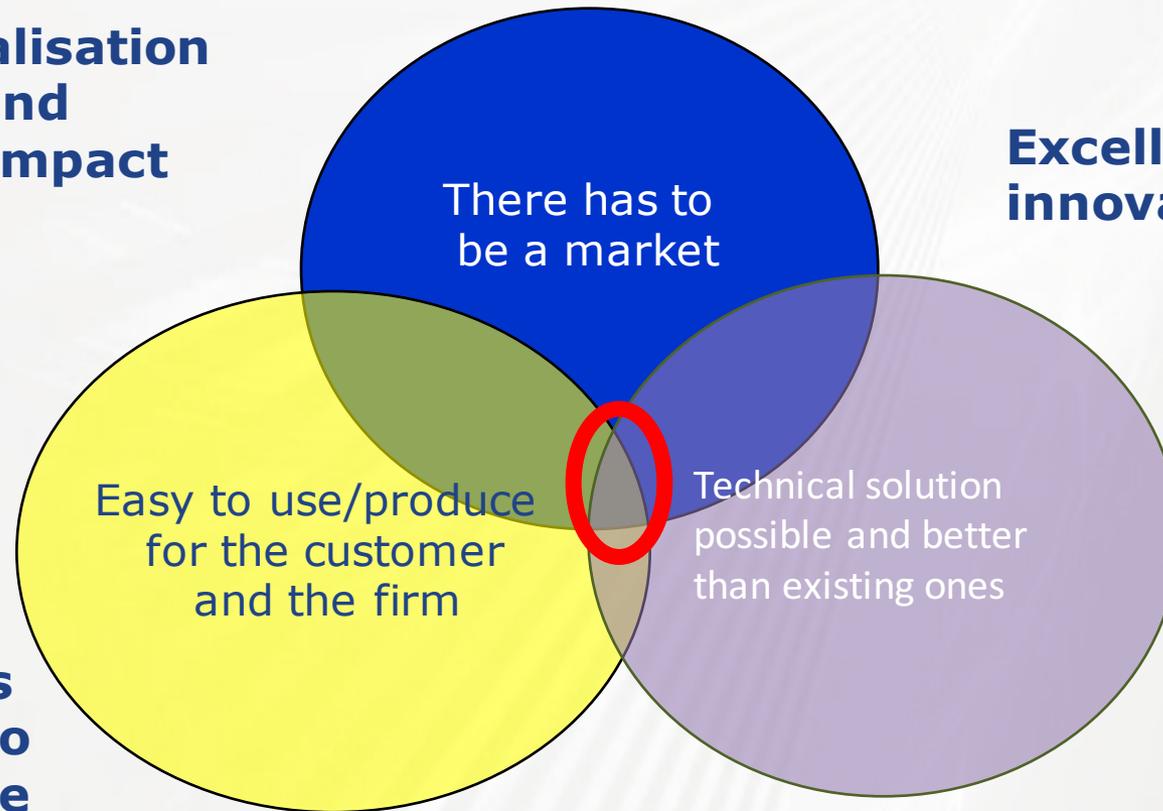
2016 Toplam Çağrı Bütçesi

353.40 M€

Evaluating SME instrument activities

**Commercialisation
potential and
economic impact**

**Excellence in
innovation**



**Company's
potential to
achieve the
envisaged
results**

Plus: EU added value

1. IMPACT (x 1,5)

“Potential impact through the development, dissemination and use of project results”

2. EXCELLENCE

“Excellence in innovation”

3. IMPLEMENTATION

“Quality and efficiency of the implementation and the management”

2014 Phase-1 Statistics

| | Cut-off 1 18/06/2014 | Cut-off 2 24/09/2014 | Cut-off 3 17/12/2014 | 2014 Total |
|--|---------------------------------|---------------------------------|---------------------------------|---------------------------|
| No. of Project Applications | 2662 33 | 1947 41 | 2363 45 | 6972 119 |
| No. of Projects Above Threshold | 317 (%12) 3 | 237 (%12) 2 | 320 (%13,5) 0 | 874 (%12,5) 5 |
| No. of Projects Funded | 155 (%49) 2 | 178 (%75) 1 | 259 (%81) 0 | 592 (%68) 3 |
| Budget released | 7.750.000 € 100.000 € | 8.900.000 € 50.000 € | 12.950.000 € 0 € | 29.600.000 € 150.000 € |
| % of Single SMEs in Funded Projctcs | %95 | %91 | %90 | %92 |

Total/ TR

2014 Phase-2 Statistics

| | Cut-off 1 09/10/2014 | Cut-off 2 17/12/2014 | 2014 Total |
|--|--|---|---|
| No. of Project Applications | 580 12 | 629 11 | 1209 23 |
| No. of Projects Above Threshold | 132 (%23) 3 | 180 (%29) 2 | 312 (%26) 5 |
| No. of Projects Funded | 60 (45%) 1 | 74 (41%) 2 | 134 (43%) 3 |
| Budget released | 111.328.800 € (Avg. project budget: 1,85 M€) 180.250 € | 117.615.077 € (Avg. project budget:1,59 M€) 2.099.589 € | 228.943.877 € (Avg. project budget:1,71 M€) 2.279.839 € |
| % of Single SMEs in Funded Projctcs | %82 | %80 | %81 |

Total/ **TR**

2015 – Call Statistics

| | CutOff 1 Phase 1 | CutOff 1 Phase 2 | CutOff 2 Phase 1 | CutOff 2 Phase 2 | CutOff 3 Phase 1 | CutOff 3 Phase 2 | CutOff 4 Phase 1 | CutOff 4 Phase 2 |
|--|-----------------------|---------------------|-------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| No. of Project Applications | 1556 30 | 619 12 | 2029 26 | 946 7 | 1873 30 | 960 6 | 2056 38 | 1090 6 |
| No. of Projects Above Threshold | 251 (16%) | 230 (38%) | 342 (17%) | 357 (38%) | 336 (18%) | 373 (39%) | 316 (15%) | 425 (39%) |
| No. of Projects Funded | 149 (59%) 1 | 37 (16%) 0 | 128 (37%) 2 | 44 (12%) 1 | 122 (36%) 0 | 33 (9%) 0 | 185 (59%) 1 | 30 (7%) 0 |
| Budget released | 7.5 M€ 50.000 € | 68.6 M€ 0 € | 6.40 M€ 100.000 € | 70.5 M€ 1.75 M€ | 6.10 M€ 0 € | 55.3 M€ 0 € | 8.75 M€ 50.000 € | 48.2 M€ 0 € |

Total/ TR

Example 1: LeakFree

Objective



Development of a reliable quality control system using advanced Non-Destructive Evaluation (NDE) technologies for the production environment of leak-free fuel tanks from plastics and composites

Turkish Partner



Floteks Plastik Sanayi ve Ticaret A.Ş.

Budget



1,196,287.00 € / EU Contribution: 837,401.00€

floteks®



Example 2: Cloud based Vessel allocation Decision Support System

Objective



Creating a SaaS for providing cost and time efficient vessel allocation decision support system on the cloud.

Turkish Partner



PROMATECH

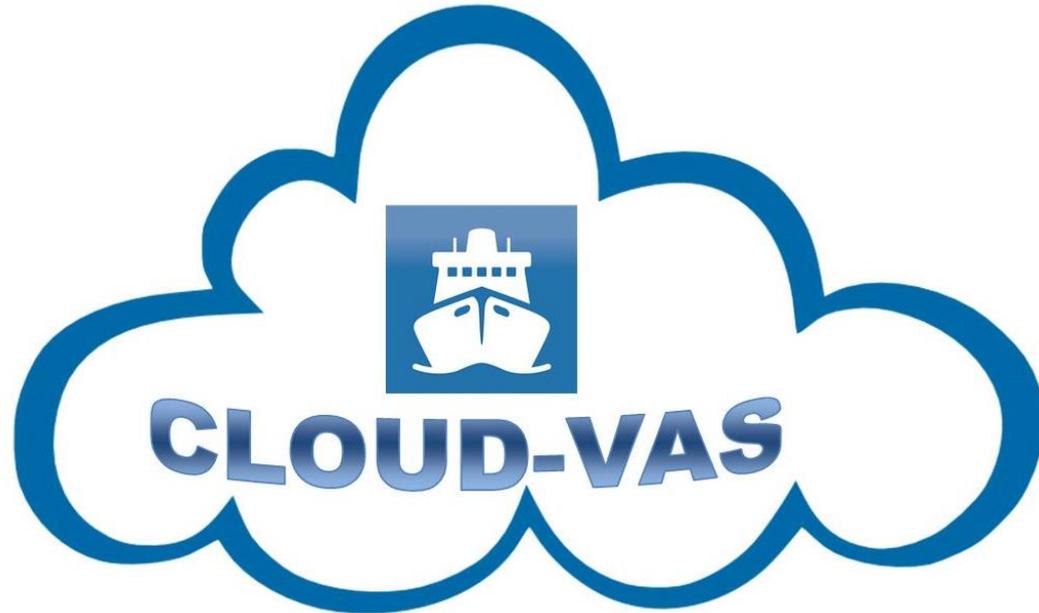
Budget



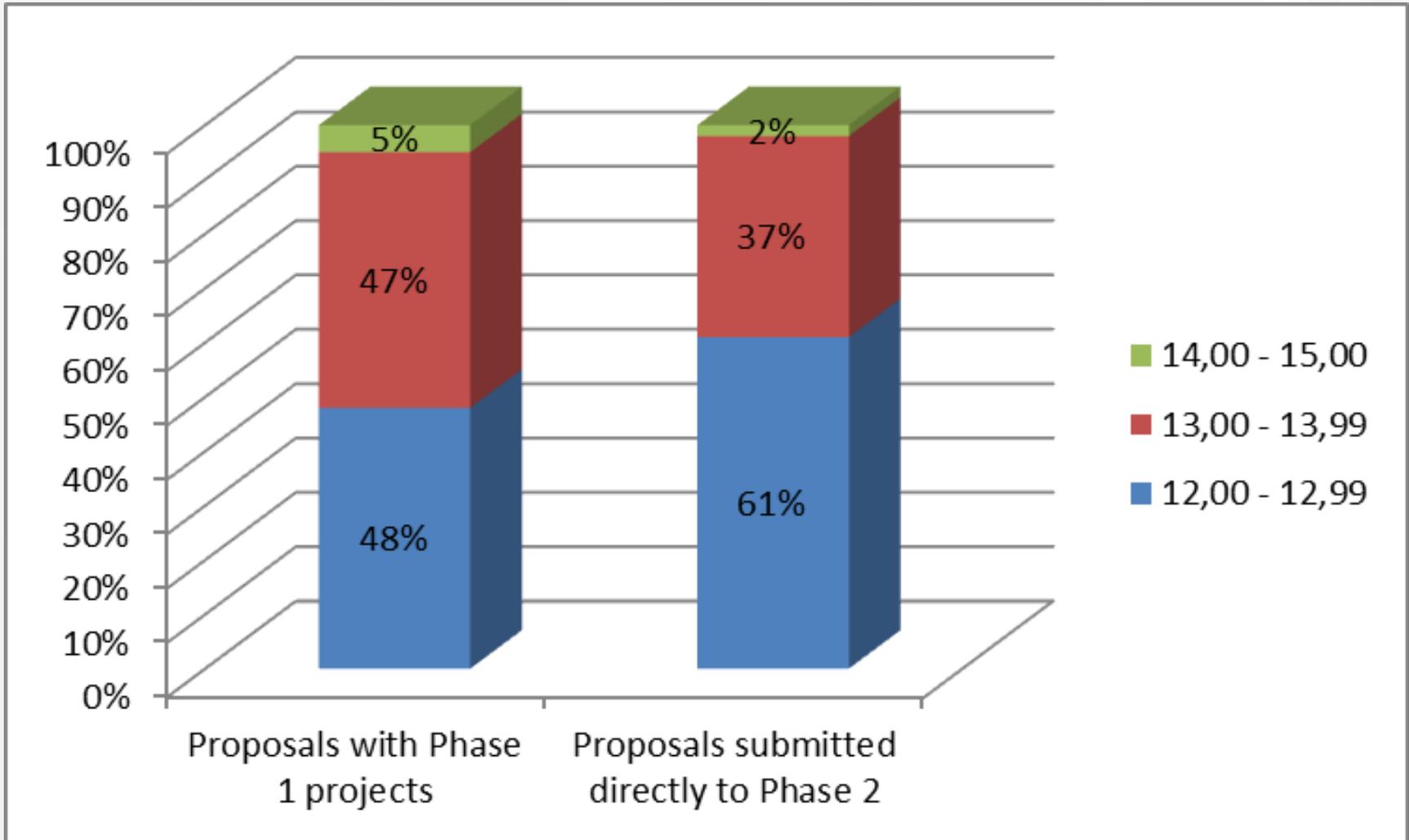
1,8 Mn €



PROMATECH
Professional Maritime Technologies

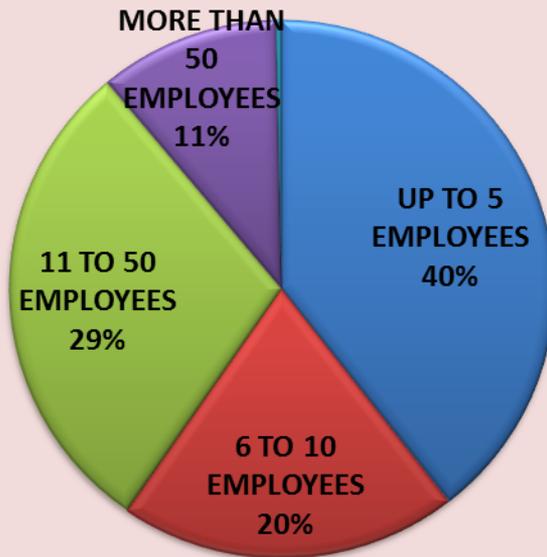


Which phase should I start with?

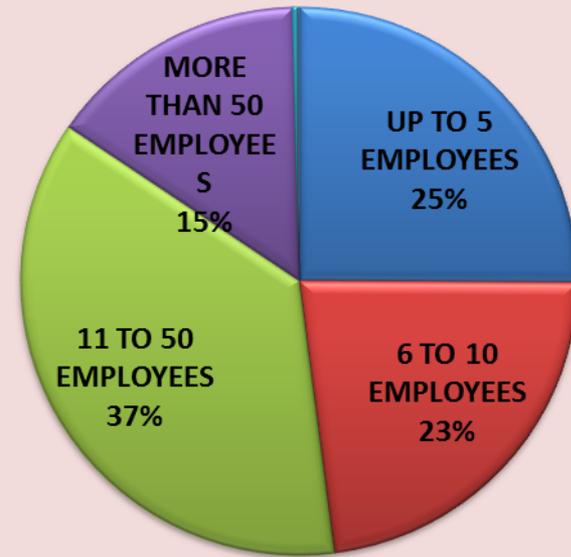


Phase 1 vs. Phase 2: number of employees

Staff in Funded SMEs

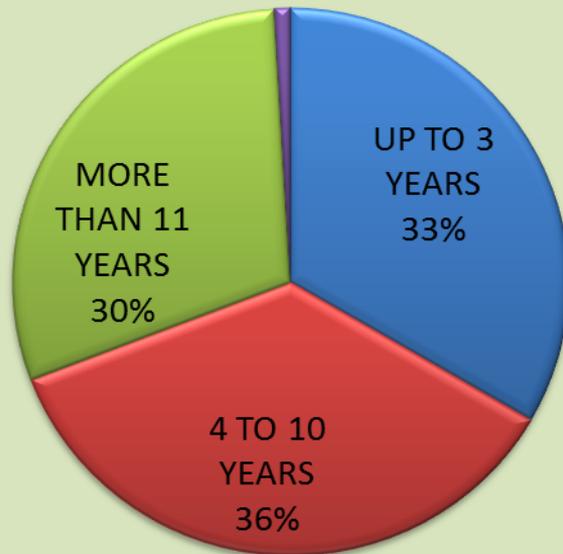


Staff in Funded SMEs

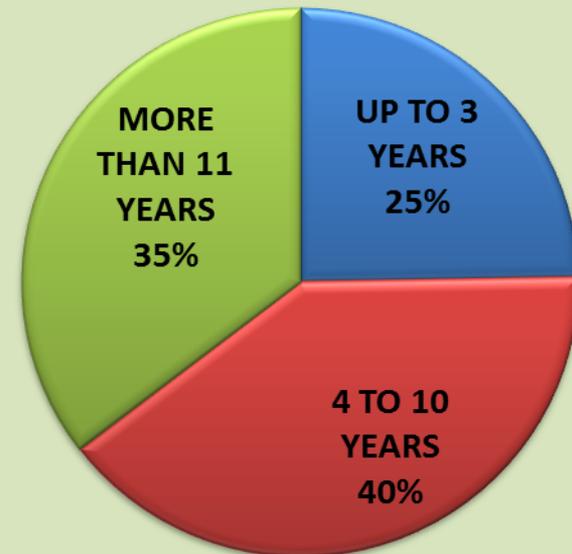


Phase 1 vs. Phase 2: age of the SMEs

Years Trading of Funded SMEs



Years Trading of Funded SMEs





National Coordination Office (NCO) Activities & Supports

A Set of Concerted Actions



Trainings

- Trainings
- Face to face meetings
- Promotion Materials



Workshops/Forums

- Focus Group Workshops
- Thematic Workshops
- Industry Forum



New Initiatives

- H2020 Support and Award Programme
- TR in H2020 Project



Side Initiatives

- Science and Inn. Years
- International Cooperation
- Synergy with IPA
- Destination TR
- International Mobility



Visibility

- TuRBo Office
- Advisory Boards
- Evaluators

Raise Awareness

Customize

Support

Facilitate

Lobby

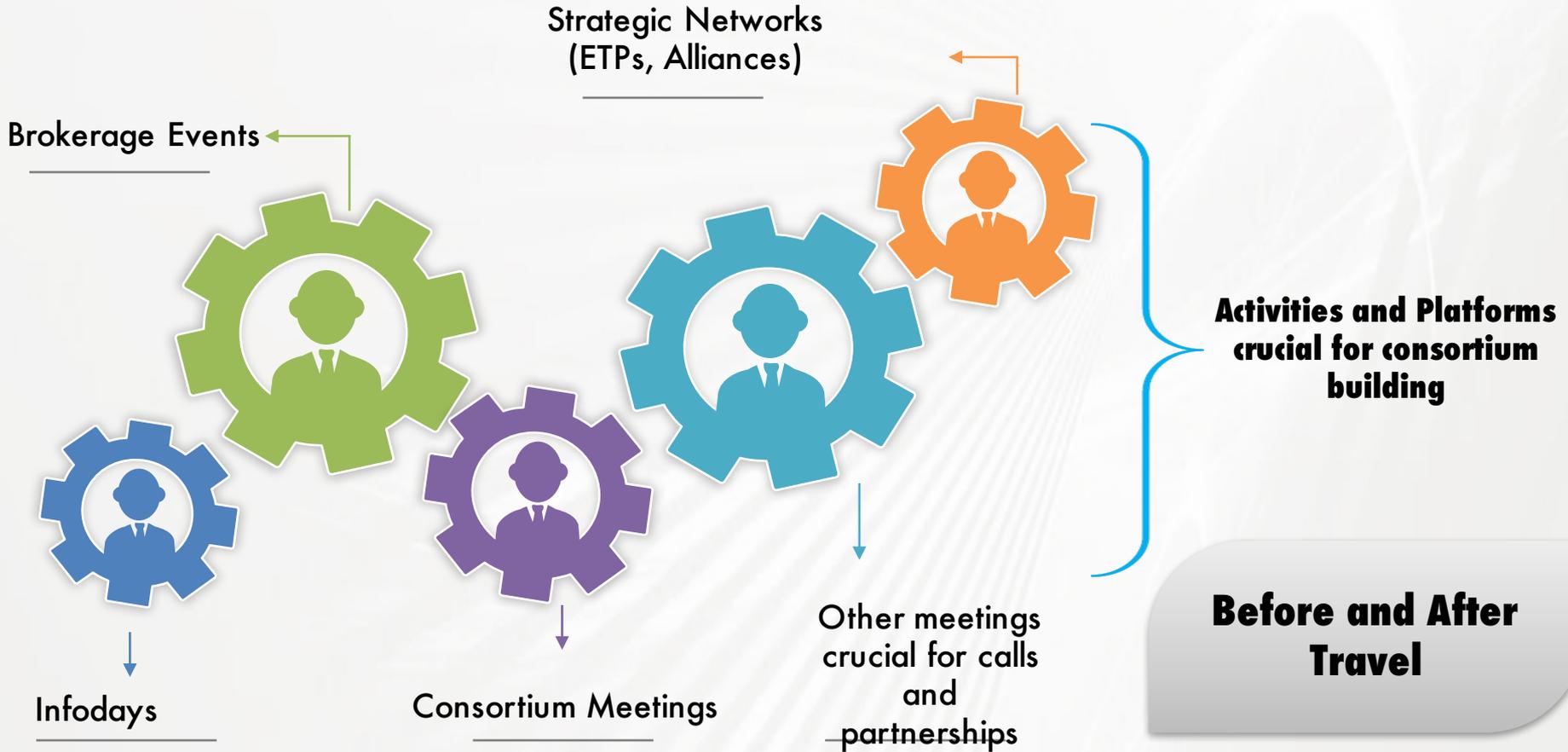
HORIZON 2020



SUPPORT and AWARD PROGRAMMES



Support for H2020 Oriented Travels



Necessary Documents

- Application Form
- Official invitation letter
- CV of applicants
- Contact/commitment letter

Up to 1.500 Euro for researchers and representatives/applicants

Eligible Costs

- **Accommodation**
- **Domestic Transport**
- **Visa**
- **Flight tickets**
- **Participation fee**
- **Daily Allowance**

**Travel
Support**

Important Issues

Report of meetings and events expected

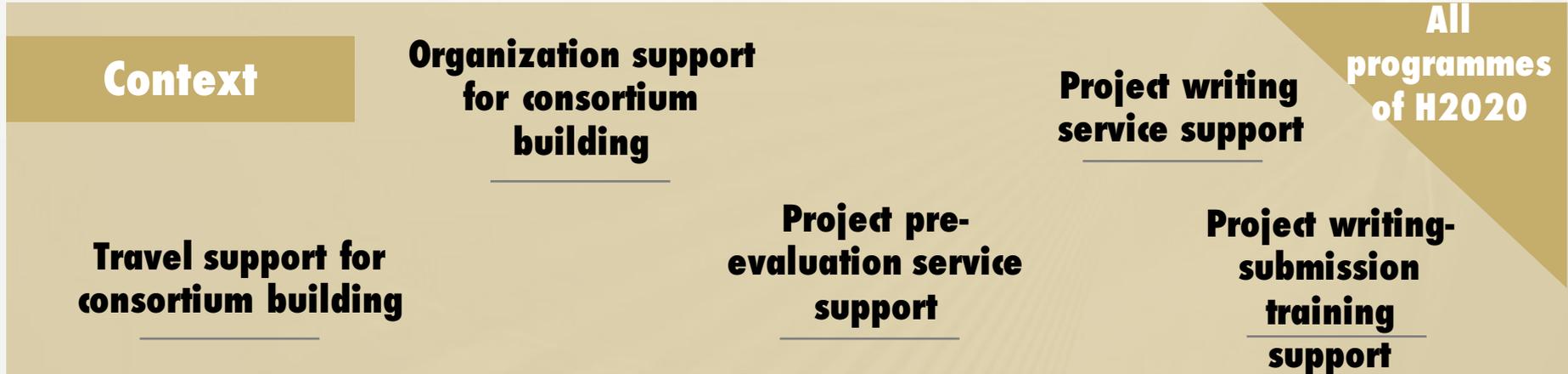


Max. 4 travel per year

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

Support for H2020 Coordinators

Up to 30.000 € support for each Potential Coordinator!



Travel Support

- Potential coordinator/project team
- Travel and accommodation
- 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 30.000 TL



Project writing-submission training

- **Coordinator Candidate or project team: Up to 3 people**
- **Training fee, travel and accommodation 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 €

Application, Eligibility and Requirements

Award:

- **Multipartner Project**
 - Partner : 3.500 €
 - Coordinator : 7.000 €
- **Single partner SME Projects** : 5.250 €
- **MSCA Projects (80 score)** : 2.000 €
- **MSCA Projects (90 score)** : 3.000 €

• **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 | $3.500\text{€} + (\text{budget} \times 7\%)$ | 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 |



AB HORIZON 2020 ÇERÇEVE PROGRAMI

HORIZON 2020

ARA

Tofaş'ın Üretim Teknolojileri Alanında İlk AB Projesi: AUTORECON

Türk otomotiv sanayisinin öncü kuruluşu Tofaş, Avrupa Birliği 7.

>>devamı



1 2 3 4 5 6 7 8 9

Yeni Başlayanlar



Programa Nasıl Katılabilirim?
Bir Bakışta Horizon 2020 Programı
Programa Hakem Olarak Katılmak

Projelere Katılmak İsteyenler

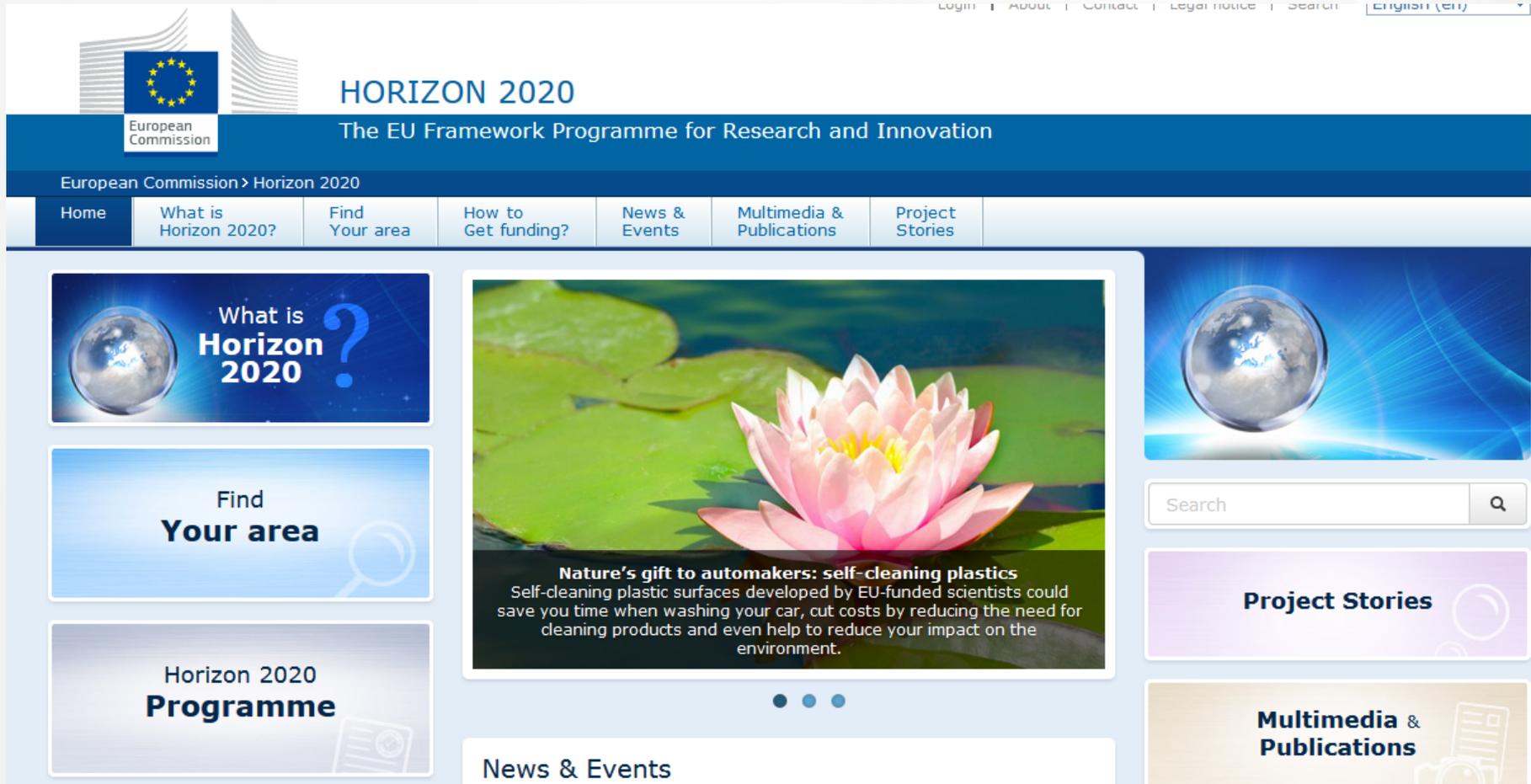


Toplumsal Sorunlara Çözümler
Endüstriyel Liderlik ve Rekabetçilik
Bilimsel Mükemmeliyet

Haberler

- Horizon 2020 Çevre Alanı Bilgi Günü
- Tekstil Proje Pazarı Ortak Arama Duyuruları
- Türk - Alman İnovasyon Zirvesi ve İkili Görüşmeler Etkinliği
- Ankara Üniversitesi'nde "Avrupa Bilim ve Eğlence Günü" gerçekleştirilecektir!

<http://ec.europa.eu/programmes/horizon2020/en/>



The screenshot shows the Horizon 2020 website homepage. At the top, there is a navigation bar with links for 'Login', 'About', 'Contact', 'Legal notice', 'Search', and a language dropdown set to 'English (en)'. Below this is the European Commission logo and the text 'HORIZON 2020 The EU Framework Programme for Research and Innovation'. A secondary navigation bar includes 'Home', 'What is Horizon 2020?', 'Find Your area', 'How to Get funding?', 'News & Events', 'Multimedia & Publications', and 'Project Stories'. The main content area features a large blue banner with a globe and the text 'What is Horizon 2020?'. Below this are three columns of content: 'Find Your area' with a magnifying glass icon, a featured article titled 'Nature's gift to automakers: self-cleaning plastics' with a pink lotus flower image and a brief description, and 'Project Stories' with a globe icon. At the bottom, there are buttons for 'Horizon 2020 Programme' and 'Multimedia & Publications', along with a 'News & Events' section.

- All the details about H2020 SME Inst.

<http://ec.europa.eu/easme/sme>

- Search for funded projects

<http://ec.europa.eu/easme/en/sme-instrument-projects>

- Events & News

www.h2020.org.tr

- Linked in Group: 'H2020'de KOBİ'ler'





Thanks for your attention...

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