TURKEY in HORIZON 2020

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H2020 General Training

Leadership in Enabling and Industrial Technologies - LEIT

What the EC says:

The emphasis for LEIT actions will be on:

- Research and innovation to strengthen Europe's industrial capacities and business perspectives, including SMEs
- Public-private partnerships (PPPs)
- Cross-cutting KETs
- Seizing the ICT opportunities
- Contributions to solving Societal Challenges and to Focus Areas
- Cross-cutting aspects, like international cooperation and responsible research and innovation.

The involvement of industrial participants, and of SMEs in particular, is crucial in maximising the expected impact of the actions.

LEIT Topic Areas

1. *Information and Communication Technologies* - **ICT**
2. *Nanotechnologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing* - **NMBP**
3. *Leadership in Enabling and Industrial Technologies* - **Space**
4. *The SME Instrument*

Cross-cutting activities (Focus Areas)

- *INDUSTRY 2020 IN THE CIRCULAR ECONOMY*
  - *PILOTS*
  - *FACTORIES OF THE FUTURE – FOF*
  - *SUSTAINABLE PROCESS INDUSTRIES – SPIRE*
  - *CIRCULAR ECONOMY*
- *INTERNET OF THINGS*
- *SMART AND SUSTAINABLE CITIES*

ICT

1. A new generation of components and systems
2. Advanced Computing and Cloud Computing
3. Future Internet
4. Content
5. Robotics and Autonomous Systems
6. ICT Key Enabling Technologies
7. Innovation and Entrepreneurship support
8. Responsibility and Creativity

1. International Cooperation Activities

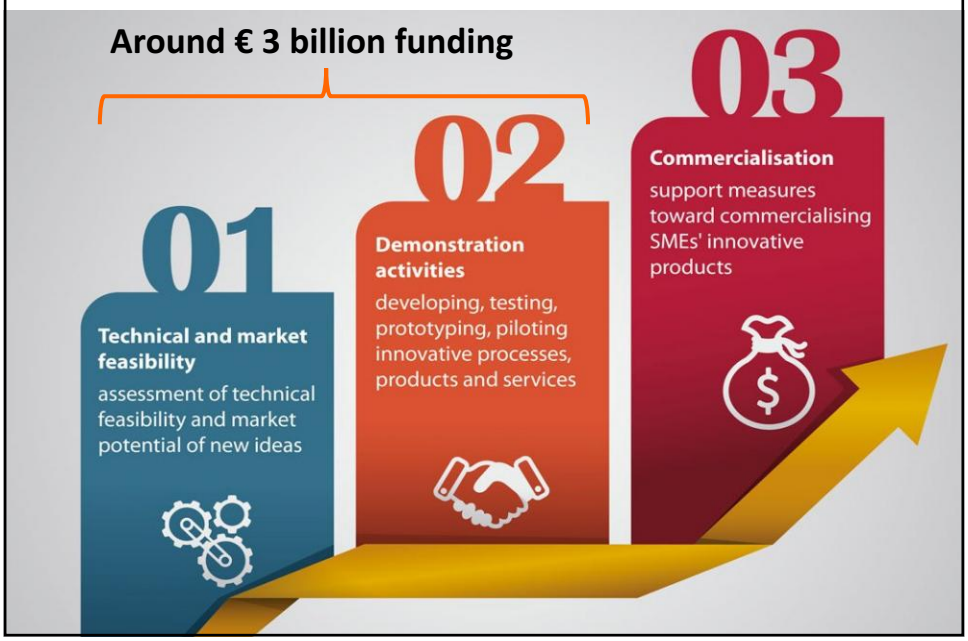
NMBP

- **N**ANOTECHNOLOGIES, ADVANCED **M**ATERIALS, **B**IOTECHNOLOGY AND **P**RODUCTION
- ENERGY-EFFICIENT BUILDINGS
- ADVANCED MATERIALS AND NANOTECHNOLOGIES FOR HIGH ADDED VALUE PRODUCTS AND PROCESS INDUSTRIES
- GREEN VEHICLES
- ADVANCED MATERIALS AND NANOTECHNOLOGIES FOR HEALTHCARE
- ADVANCED MATERIALS AND NANOTECHNOLOGIES FOR ENERGY APPLICATIONS
- ECO-DESIGN AND NEW SUSTAINABLE BUSINESS MODELS
- BIOTECHNOLOGY
- MODELLING FOR THE DEVELOPMENT OF NANOTECHNOLOGIES AND ADVANCED MATERIALS
- SCIENCE-BASED RISK ASSESSMENT AND MANAGEMENT OF NANOTECHNOLOGIES, ADVANCED MATERIALS AND BIOTECHNOLOGIES
- INNOVATIVE AND RESPONSIBLE GOVERNANCE OF NEW AND CONVERGING ENABLING TECHNOLOGIES

Space

- Earth Observation
- Competitiveness of European Space Sector: Technology and Science
- Applications in Satellite Navigation – Galileo – 2017
- CleanSky –JIT (Joint Technology Initiative)

SME Instrument: The Three Project Phases



The SME Instrument

Phase 1

Concept & Feasibility Assessment

- €50 000 lump sum for feasibility study
- Initial 10 page business proposal to be drafted
- 6 months in duration
- High competition (around 6% success rate)

The SME Instrument

Phase 2

Innovation Project

- Between €0.5 million and €2.5 million in EU funding (70%)
- Develop project through innovation strategy
- Draft a more developed, 30 page business plan
- 1-2 years in duration

The SME Instrument

Phase 3 – Commercialisation

- No direct funding
- Extensive support and coaching
- Facilitate access to risk finance
- Additional support and networking opportunities (EEN)

The SME Instrument

Business coaching

Coaches will drive the performance of the organisation

Coaches suggested by EEN, and selected by the SME

Voluntary business coaching:

- Phase 1: 3 days
- Phase 2: 12 days

Example: Project "TAG" H2020-SMEINST-2-2015

Example: Project "TAG" H2020-SMEINST-2-2015

Coordinator: LOJIKA BILGI TEKNOLOJILERI VE SERVISLERI TICARET AS

Crowd-Sourcing technology to change how people and cars move in cities (from 1/10/15 to 31/3/17)

"TAG is revolutionizing carpooling for Smart Cities. We are following the disruptive market success of the likes of Airbnb regarding room bookings and Waze in terms of navigation, reaching valuations of tens of billions of Euros. However, well-documented technological problems and bad user experiences have prevented such success in carpooling."

1,745,362 Euro funding