



COST

European Network on New Sensing Technologies for Air Pollution Control and Environmental Sustainability - *EuNetAir*

COST Action TD1105

OVERVIEW OF EU FUNDING OPPORTUNITIES AND SUPPORT STRUCTURES FOR SMEs

WGs and MC Meeting at ISTANBUL, 3-5 December 2014

Action Start date: 01/07/2012 - Action End date: 30/06/2016

Year 3: 1 July 2014 - 30 June 2015 (*Ongoing Action*)



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 **cost**
EUROPEAN COOPERATION IN SCIENCE AND TECHNOLOGY

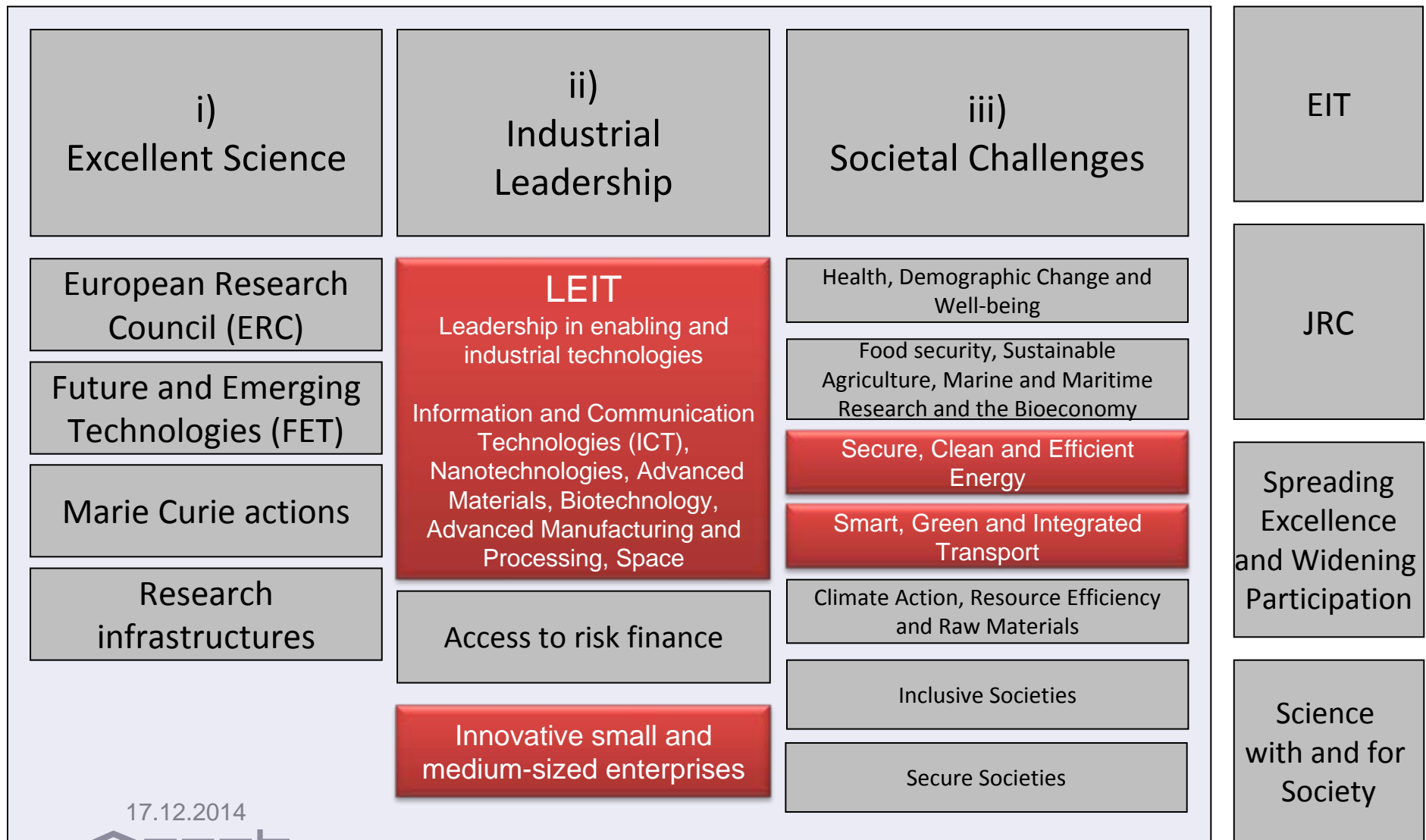




Overview of presentation

- HORIZON2020 funding opportunities
 - Thematic areas
 - Fast track to innovation scheme
 - SME instrument in HORIZON2020
- Mission and services of Enterprise Europe Network

Overview of HORIZON2020



17.12.2014





Why HORIZON2020 is attractive for SMEs

- Re-imburement rates are attractive:
 - Research & Innovation Actions: 100% (of eligible costs including a flat rate for overheads amounting to 25%)
 - Innovation Actions: 70%
- EU projects are prestigious and help to increase your network and visibility in Europe

Opportunities for SMEs in HORIZON2020 thematic areas

- HORIZON2020 calls in different thematic areas are available on: <http://ec.europa.eu/programmes/horizon2020/>
- Note: Different deadlines and submission procedures apply
- For each thematic area, individual work programmes are prepared, in which available topics and further conditions are specified
- Projects are mostly implemented in the form of collaboration projects by European consortia of different sizes
- TRLs range between 3 and max. 7

Opportunities for SMEs in HORIZON2020 thematic areas – example topic

- H2020-SC5-2015-two-stage
- Deadline 1st stage proposal: 21.04.2015
- **Improving the air quality and reducing the carbon footprint of European cities**
- Specific challenge: The majority of the European population lives in urban environments where citizens are frequently exposed to levels of air pollutants exceeding the limit values established by the European directives. The sources of pollution in cities are mainly linked to urban activities such as transport and heating. Other activities such as energy production, industrial activity, agriculture and trans-boundary pollution play an important role. Air pollution and climate change are strongly connected and there is therefore a need to consider both environmental and climate considerations when designing emission abatement strategies. Integrated approaches are needed to find long-term, sustainable solutions in the EU.

Opportunities for SMEs in HORIZON2020 thematic areas – example topic

- Scope: Development of technological options and strategies to fight against air pollution in urban environments and against climate change ensuring the involvement of the main pollution-generation sectors. Proposals should include the development and application of tools in support of integrated air quality and climate change governance in EU Member States, with the aim of designing and implementing adequate abatement strategies and practices... Proposals should foster the integration of advanced tools for the assessment, monitoring, modelling – including source apportionment – with innovative technological options and strategies to improve air quality and reduce the carbon footprint of urban areas. Furthermore, awareness-raising actions and policy support activities should be included. **Proposals should include the participation of SMEs, as far as possible.**
- The Commission considers that proposals requesting a contribution from the EU of between EUR 6 and 8 million would allow this specific challenge to be addressed appropriately.



Fast track to innovation scheme

- The FTI pilot supports projects undertaking innovation from the demonstration stage through to market uptake, including stages such as piloting, test-beds, systems validation in real world/working conditions, validation of business models, pre-normative research, and standard-setting.
- It targets relatively mature new technologies, concepts, processes and business models that need a last development step to reach the market and achieve wider deployment.
- Min. TRL 6
- Bottom-up approach: Proposals must relate to any field under the specific objective "Leadership in enabling and industrial technologies" and/or to any of the specific objectives under the priority "Societal challenges"

Fast track to innovation – specific requirements

- Budget range: max. 3 Mio €
- At least three and maximum five legal entities can participate in a project.
- At least one of the following conditions must be met
 - at least 60% of the overall budget of the proposal must be allocated to consortium partner(s) from industry
or
 - the minimum number of industry participants must be 2 in a consortium of 3 or 4 partners, and 3 in a consortium of 5 partners.
- A proposal shall include a business plan
- "first-time industry applicants" sought - meaning a legal entity that is a private, for-profit organisation that has obtained a PIC (Participant Identification Code) for the first time, meaning that such legal entity is for the first time registered in the Beneficiary Register during the preparation of the proposal.



Fast track to innovation – timeline and more information

- The Fast Track to Innovation scheme will be open for applications as of January 6, 2015 (this date is subject to be modified by up to one month).
- Proposals can be submitted at any time as of that date, yet will be ranked following **three cut-off dates in 2015**:
 - April 29, 2015
 - September 1, 2015
 - December 1, 2015
- More information:
<http://ec.europa.eu/programmes/horizon2020/en/h2020-section/fast-track-innovation-pilot-2015-2016>

The specific SME instrument

- Only a single for-profit SME or a consortium of for-profit SMEs can apply for funding under the SME instrument
- The SME Instrument offers the following:
 - Business innovation grants for feasibility assessment purposes (optional **Phase I**): EUR 50,000 (lump sum) per project (70% of total cost of the project);
 - Business innovation grants for innovation development & demonstration purposes (possible **Phase II**): an amount in the indicative range of EUR 500,000 and 2,5 million (70% of total cost of the project as a general rule);
 - free of-charge business coaching (optional in phases I and II), in order to support and enhance the firm's innovation capacity and help align the project to strategic business needs;
 - Access to a wide range of innovation support services and facilitated access to risk finance (mostly in optional **Phase III**), to facilitate the commercial exploitation of the innovation.

The specific SME instrument

- Proposers have to fit into a number of specific topics:
 - Calls: H2020-SMEINST-1-2015; H2020-SMEINST-2-2015
- BG-12-2015-1: Supporting SMEs efforts for the development - deployment and market replication of innovative solutions for blue growth
- BIOTEC-5b-2015-1: SME boosting biotechnology-based industrial processes driving competitiveness and sustainability
- DRS-17-2015-1: Critical infrastructure protection topic 7: SME instrument topic: Protection of Urban soft targets and critical infrastructures
- ICT-37-2015-1: Open Disruptive Innovation Scheme (implemented through the SME instrument)
- INSO-10-2015-1: SME business model innovation
- INSO-9-2015-1: Innovative mobile e-government applications by SMEs
- IT-1-2015-1: Small business innovation research for Transport
- NMP-25-2015-1: Accelerating the uptake of nanotechnologies, advanced materials or advanced manufacturing and processing technologies by SMEs
- PHC-12-2015-1: Clinical research for the validation of biomarkers and/or diagnostic medical devices



The specific SME instrument – list of topics continued

- SC5-20-2015-1: Boosting the potential of small businesses for eco-innovation and a sustainable supply of raw materials
- SFS-08-2015-1: Resource-efficient eco-innovative food production and processing
- SIE-01-2015-1: Stimulating the innovation potential of SMEs for a low carbon energy system
- Space-SME-2015-1: SME Instrument

SME instrument – statistics 2014

- First cut-off date for Phase 1 (18 June) results:
 - 155 projects from 21 countries have been pre-selected for funding.
 - Out of the 2 666 proposals submitted, 2602 were eligible and 317 got a score above the threshold. 49% of these are pre-selected for funding.
 - Spain had the most projects selected (39) followed by the United Kingdom (26), Italy (20), Germany (11), Ireland (10) and France (9).
 - Ireland had the greatest success rate (20%) followed by Austria (14,81% - 4 projects pre-selected), the United Kingdom (11,21%), Israel (10,26% - 4 projects selected) and (Spain (9,29%).

Source: <http://ec.europa.eu/easme/en/news/sme-instrument-statistics-first-cut-date-phase-1-released>



SME instrument – Timeline for submission

- The 2015 call will be open for applications as of December 18, 2014.
- Proposals can be submitted at any time as of that date, yet will be ranked following **three cut-off dates in 2015**:
 - March 18, 2015
 - June 17, 2015
 - September 17, 2015
- More information:
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-smeinst-1-2015.html>



SME instrument – useful links

- [The SME Instrument in the Horizon 2020 Work Programme](#)
- [Visit the SME instrument call topic page on the participant portal](#)
- [Read our Frequently Asked Questions – document on participation](#)
- [More on EU support for Research & Innovation-driven SMEs](#)
- [Information about implementation \(EASME\)](#)

- From: <http://ec.europa.eu/programmes/horizon2020/en/h2020-section/sme-instrument>



Enterprise Europe Network (EEN)



Business Support on Your Doorstep



EEN Mission

The Enterprise Europe Network helps SMEs to make the most of the European marketplace.

- Develop business in new markets
- Source or license new technologies
- Access EU finance and EU funding



What can clients expect?

- (free) Service – NO FUNDING
- Information & guidance
- Networking opportunities
- Platform / tools

EEN network: More than 600 organisations in 55 countries

In consortia by region

- **EU 28** (Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, UK)
- Albania, Armenia, Bosnia and Herzegovina, Brazil, Canada, Chile, China, Egypt, fYRoM, Iceland, India, Israel, Japan, Moldova, Morocco, Mexico, Montenegro, Norway, Russia, Serbia, South Korea, Switzerland, Tunisia, Turkey, Ukraine, USA



Platform and Tools

- Offer & Request Database(s)
 - “Technology market” (incl. PS for EU R&D)
 - “business cooperation”
- Events & missions
- Information & signposting



Offer & Request Database(s) I

- „Technology“ & „Business“
- Public
- Quality (screening/ validation)
- E-alert
- Passive (search) or active (post) use
- Support & follow-up



Offer & Request Database(s) II

Examples:

▪ Business Requests:

- Irish importer (SME) seeks manufacturers of Air Filtration Systems

▪ Business Offers:

- Belgian company specialized in water, air and energy solutions for houses, building and producing atmospheric water generators based on a new technology, is looking for distributors.
- UK company specialized in the analysis of hazardous substances is looking for Joint Venture partners and/or sub-contractors.



Offer & Request Database(s) III

Examples:

▪Technology Requests:

- A Swiss company is looking for a highly sensitive, highly specific sensor for certain VOC (Volatile Organic Compound) gases in ambient air.

▪Technology Offers:

- A Swedish group has developed an emissions trap for indoor air purification, is currently filing a patent application and is now looking for industrial partners for further development of their technology.




More information & contact

- Get in touch with your local branch

<http://een.ec.europa.eu/about/branches>

- More information

<http://een.ec.europa.eu/>



Thank you for your kind
attention

I wish you and your families a
Merry Christmas and a Happy
New Year