ICT-04-2017: Smart anything Everywhere

Horizon 2020

LEIT ICT WP 2016-17

DG CONNECT - European Commission

Complex Systems and Advanced Computing

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Stimulate the development of the next wave of products with digital technologies inside

Challenge is to accelerate the design, development and uptake of advanced digital technologies by European industry, especially SMEs and mid-caps, in products that include innovative electronic components, software and systems.

www.smartanythingeverywhere.eu

SAE

SmartAnythingEverywhere

European Commission

EuroCPS
Cyber-Physical Systems

gateone
PROJECT

SMARTER - SI
Smart Access to Manufacturing for
Systems Integration

CPSE Labs

European Commission

HORIZON 2020

Call Deadline 8 November 2016

Proposals should address ALL 3 aspects

1. Establish a **network of competence centres** offering **one-stop shops for companies** that want to experiment with digital technologies inside their products.
Centres should act as "**Innovation hubs**" offering facilities (access to technology platforms) and services for developing innovative products, such as design, manufacturing, rapid prototyping and life-cycle management.

2. Carrying out a critical mass of **cross-border Application Experiments** bringing together key actors across the full value chain and **enable new users to develop novel products or services**.

3. Activities to achieve **long-term sustainability** of one-stop shop/market place services by competence centres and the eco-system.

IA Projects 24.5 M€ 70% funding

Application Experiment descriptions in proposals should include an outline of the initial exploitation plan and business scenario.

Proposals should have an outline business scenario and activities for the development of a business plan for the competence centres and the marketplace.

Investors should be attracted to support business development of SMEs and mid-cap actors
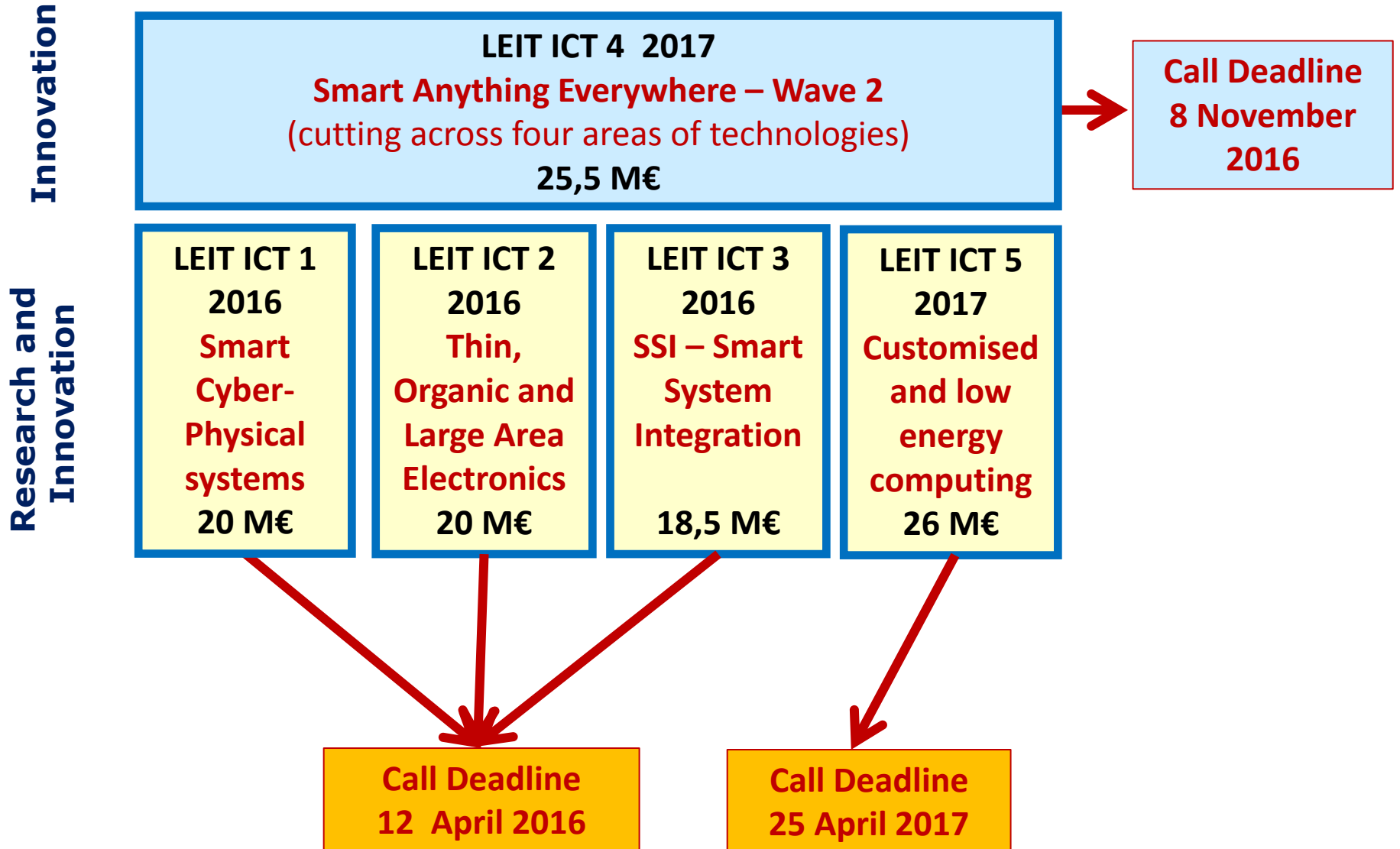
Additional Issues:

➔ *Link to existing and emerging regional or national innovation hubs.*

➔ *Communication and dissemination activities shall make use of established networks reaching out to SMEs, such as Enterprise Europe Network, NCP network, …*

Open call: Part K of the General Annexes & Article 15 of MGA

- Proposals shall clearly detail the objectives and results to be obtained from the financial support to third parties, and include at least:

    - A closed list of the different types of activities supported

    - Persons or categories of persons supported

    - Criteria for award of support

    - How to calculate the exact amount of support (for instance 70% of total costs)

    - Maximum amount of support for each party (typically 20-100K€ per party. If more than 60K€ is necessary, this needs to be explained in the proposal).

Winners of the open call will become third parties, and not beneficiaries of the project!

An Overview of Calls related to SAE

LEIT ICT 4 2017

Smart Anything Everywhere – Wave 2
(cutting across four areas of technologies)
25,5 M€

→ **Call Deadline 8 November 2016**

Innovation

Research and Innovation

LEIT ICT 1 2016
Smart Cyber-Physical systems
20 M€

LEIT ICT 2 2016
Thin, Organic and Large Area Electronics
20 M€

LEIT ICT 3 2016
SSI – Smart System Integration
18,5 M€

LEIT ICT 5 2017
Customised and low energy computing
26 M€

Call Deadline 12 April 2016

Call Deadline 25 April 2017

Goal is

- **to help businesses from any sector uplift the quality and performance of their products and services with innovative embedded ICT components and systems**

- **To support eco-system building for promising platforms developed in earlier R&I projects.**

**IA Projects (up to 7 M€ for area 1)
70% funding**

Goal is

- **to help businesses who are developing products for situations where high computing capacity and low energy would be a competitive advantage**

- **To support eco-system building for promising platforms developed in earlier low power computing projects.**

IA Projects (up to 7 M€ for area 2) 70% funding

Goal is

- **to support electronic components, sensors, smart objects and system access to advanced design and manufacturing for academia, research institutes and SMEs (including Europractice type of actions)**

- **Rapid prototyping targeting SMEs**

**IA Projects (up to 7 M€ for area 3)
70% funding**

Building ecosystem in Organic and Large Area Electronics (OLAE)

Goal is to help businesses in further maturing, innovating and validating their products with OLAE technologies

Focus is on

1. **Access to design, technology and prototyping** which are mature and ready to use,

2. Application experiments **driven by concrete user requirements and business cases**

**Projects (up to 3.5 M€ for area 4)
70% funding**

Aim

CSA Projects (up to 1 M€)

- reinforce the collaboration between the actions supported under this initiative

- to increase the outreach of these actions and their impact

- to achieve a wider coverage of stakeholders in technological, application, innovation, and geographic terms.

Tasks and services

- a single innovation portal for newcomers; brokering between users and suppliers; dissemination

- leveraging investment by creating linkages with regional/national initiatives and by stimulating organic growth.

- sharing of best practices and experiences

- identifying new innovative ICT technologies that can benefit from this scheme

All of the following impact criteria providing metrics to measure success when appropriate should be addressed

- **Innovation in products, processes and business models leading to quantifiable increases** in market shares and/or productivity of European companies and/or industrial capacities in Europe, notably for SMEs and mid-caps operating in non tech sectors.

- **Business growth and increase competitiveness of digital technology suppliers**, in particular SMEs, able to supply components and systems that may be integrated in various products.

- Creation of a **self-sustainable ecosystem of innovation hubs** including ICT suppliers and users supported by services available through a one-stop shop, covering a large number of regions and their smart specialisation.

For more information

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Web sites:
www.smartanythingeverywhere.eu

http://cordis.europa.eu/fp7/ict/components/

Horizon 2020 and ICT WP 2016-17:
http://ec.europa.eu/research/horizon2020/index_en.cfm

- **The ICT LEIT WP 2016-17 can be found at:**
  http://ec.europa.eu/programmes/horizon2020/en/h2020-section/information-and-communication-technologies

- **The Participant Portal:**
  https://ec.europa.eu/research/participants/portal