



ICT-04-2017: Smart anything Everywhere

Horizon 2020

LEIT ICT WP 2016-17

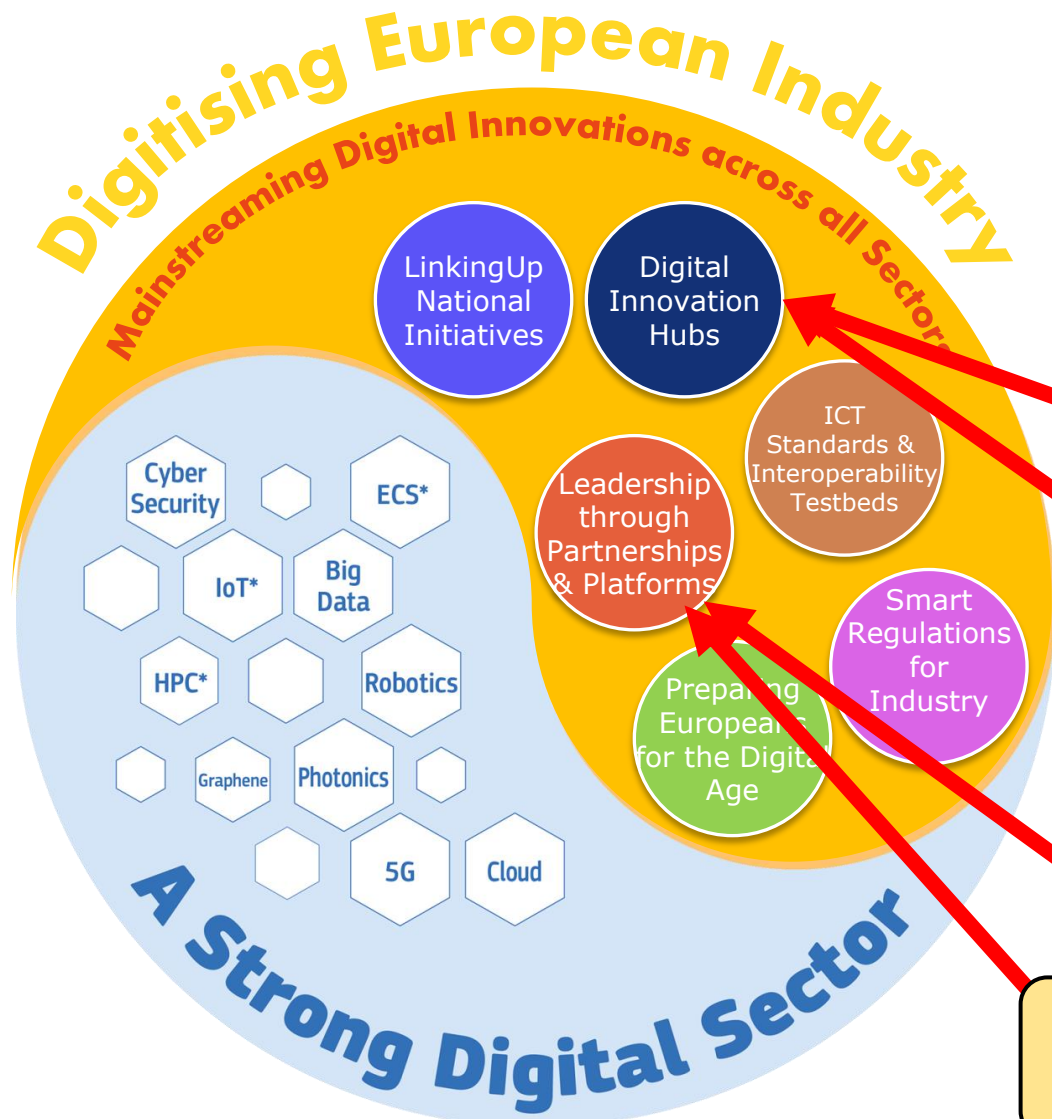
DG CONNECT - European Commission

Area 1&2	Markus Korn (markus.korn@ec.europa.eu)
	Anne-Marie Sassen (anne-marie.sassen@ec.europa.eu)
Area 3&4	Henri Rajbenbach (henri.rajbenbach@ec.europa.eu)

Political context: Digitising European Industry



Commissioner Oettinger



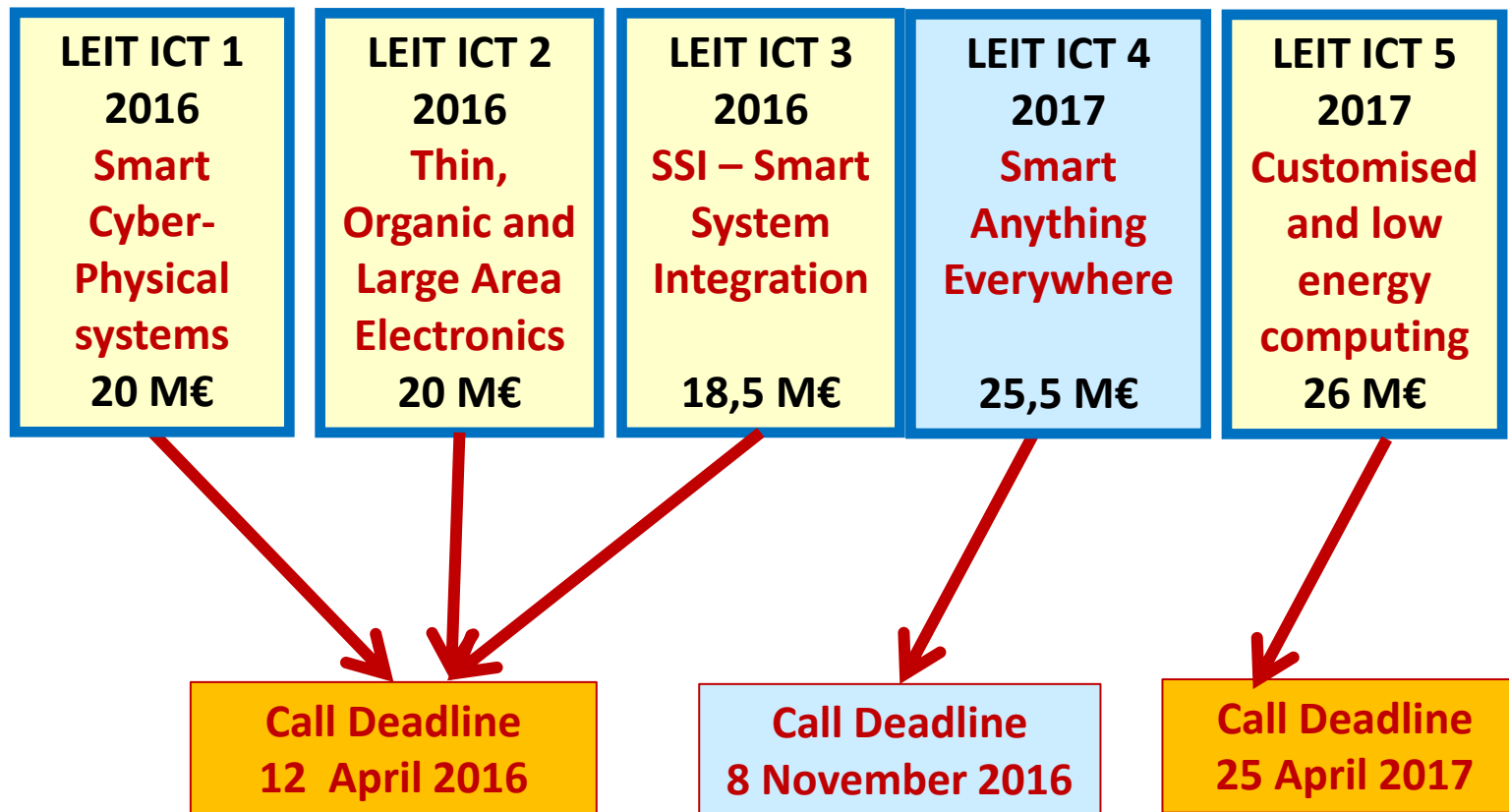
ICT-4: Smart Anything Everywhere

FoF-12: ICT Innovation for Manufacturing SMEs

IOT-3: Platforms for IoT

ICT-5: Platforms for low energy computing

An Overview of Calls related to SAE



ICT 4 – 2017: Smart Anything Everywhere Initiative (SAE Initiative)



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

by European industry, **especially SMEs and mid-caps**

www.smartanythingeverywhere.eu



SmartAnythingEverywhere

SAE Initiative

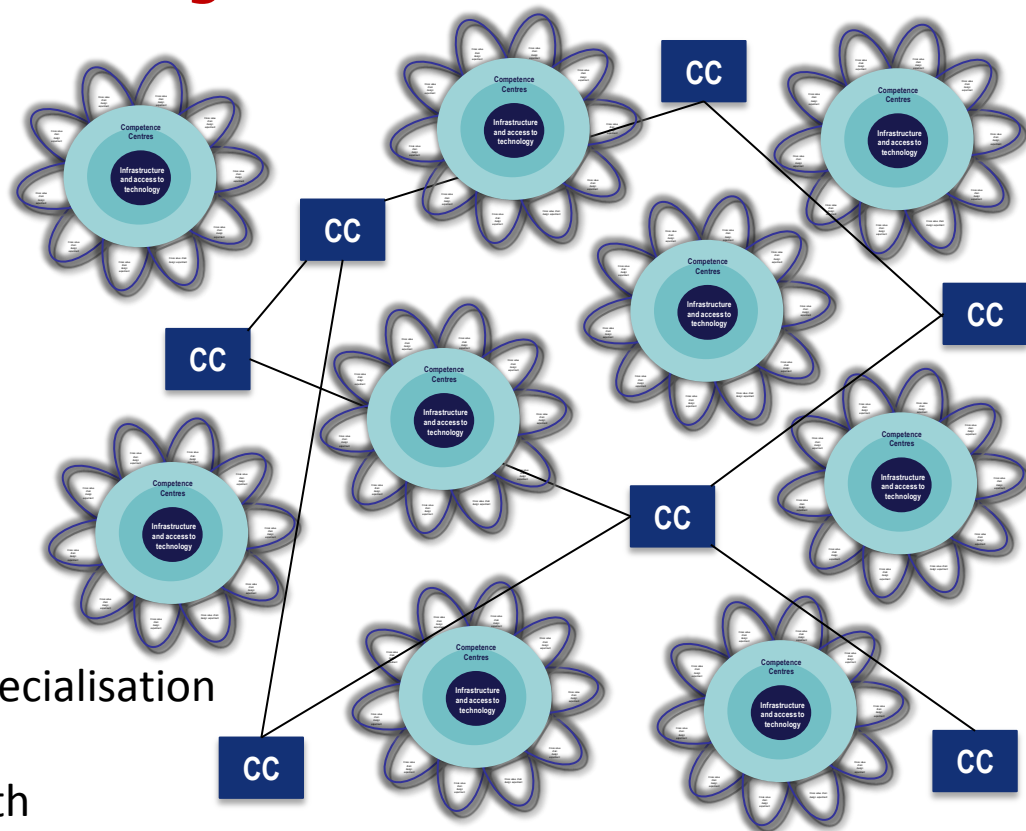
Network of competence centres



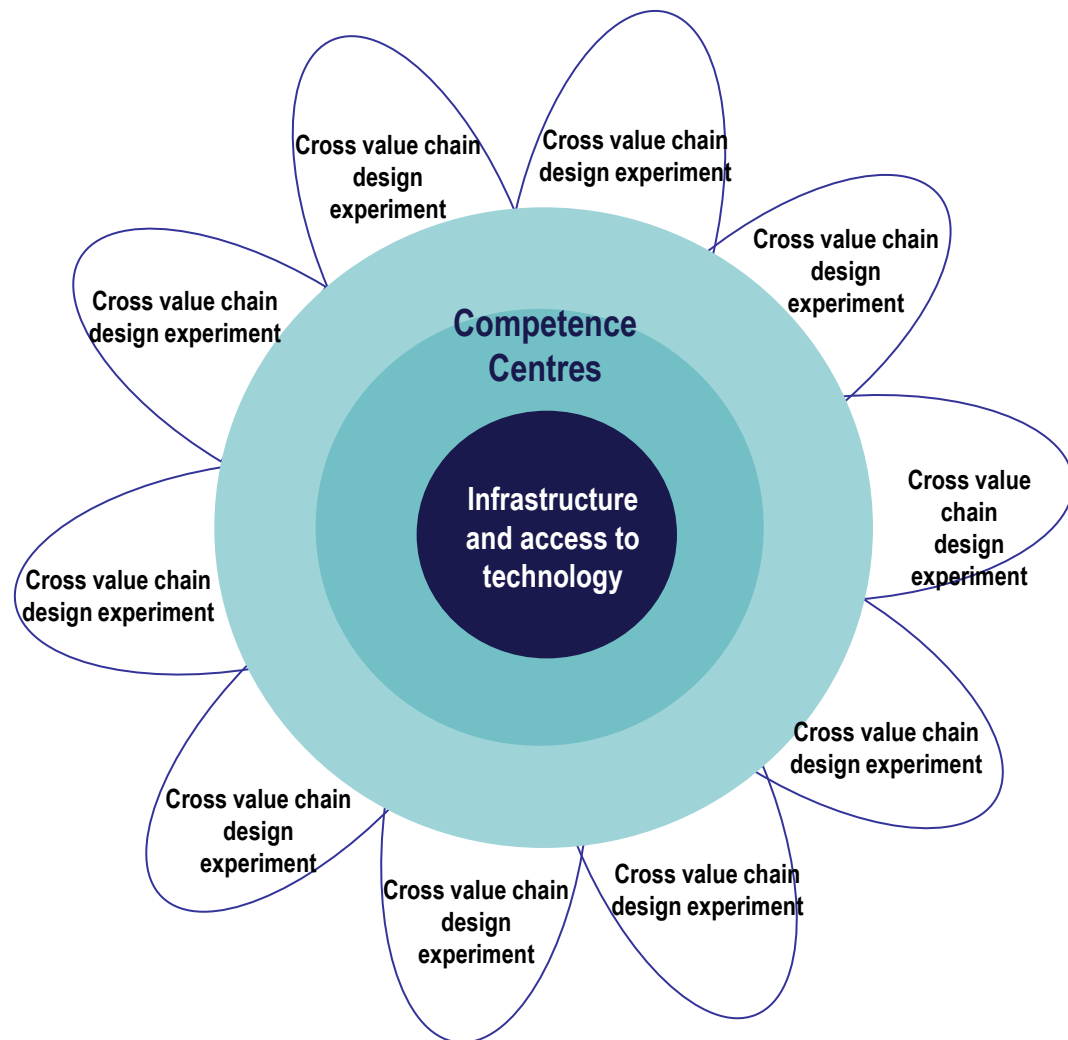
EU-wide network of Competence Centres
Acting as the heart of Digital Innovation Hubs

Competence Centres

- Access to technology
 - Service for developing products
 - Brokers between suppliers and users
-
- Builds on regional strengths/smart specialisation
 - Flexible and scalable
 - H2020 funding can be augmented with
 - regional/structural funds, e.g. ESIF



Critical Mass of Cross Border Application Experiments



Application experiments should be **driven by user requirements.**

Bring together actors along value chain.

Experts to **assist new users in customising and applying digital technologies** in their environment.

With the aim to:

Develop novel products or services with digital technologies.

Financial support to third parties may be used to be flexible on which experiments will be carried out

ICT 4 – 2017: SAE Initiative Scope Innovation Actions



Proposals should address 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.
"**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 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.

ICT 4 – 2017: SAE Initiative Scope Innovation Actions



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

Proposals 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, ...*

ICT 4 – 2017: SAE Initiative



European
Commission

Area 1 Cyber physical systems and embedded systems



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 (including Europractice type of actions) advanced design and manufacturing for academia, research institutes and SMEs
- 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**

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CSA – Support action



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

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Expected Impact



Address **all** of the following impact criteria **providing metrics to measure success** when appropriate.

- **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



Smart Anything Everywhere Workshop: Enhancing digital transformation in European SMEs , Brussels, 13 June

<https://ec.europa.eu/digital-single-market/en/news/smart-anything-everywhere-workshop-enhancing-digital-transformation-european-smes>

Web sites:

www.smartanythingeverywhere.eu

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

The Participant Portal:

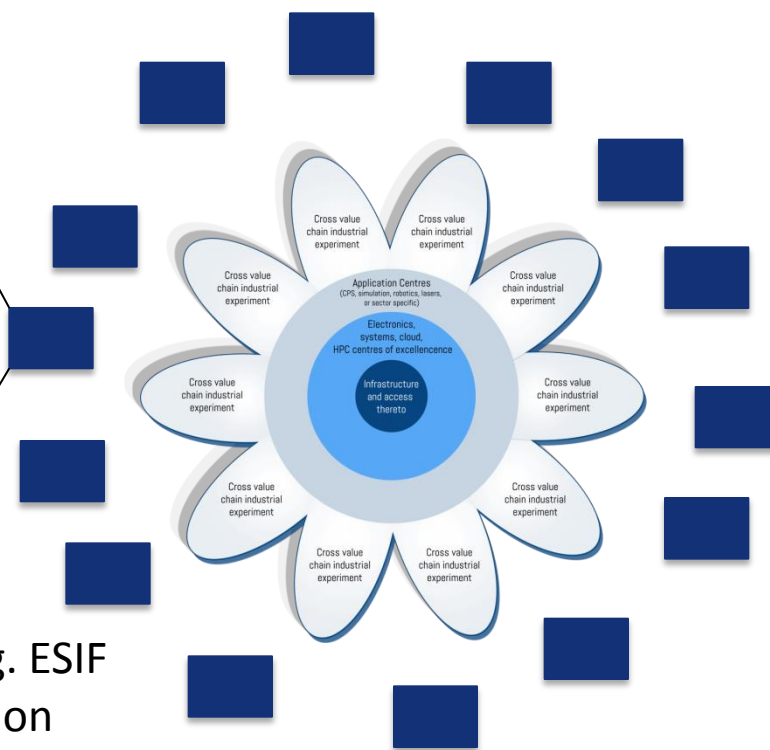
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/5061-ict-04-2017.html>

Additional information, not presented

Existing and emerging EU networks of competence centres **can be complemented by** Satellite Nodes / Digital Innovation Hubs

Regional Satellite Nodes/Projects

- Feasibility studies
- Best practice experiments
- Local dissemination
- Skills development
- Infrastructure provisioning



- Funded through regional/structural funds, e.g. ESIF
- Focus on regional strengths/smart specialisation
- Support actions complementary to H2020 actions
- Flexibility/little synchronisation needs

❑ Bootstrap innovation hubs in "non-I4MS regions"

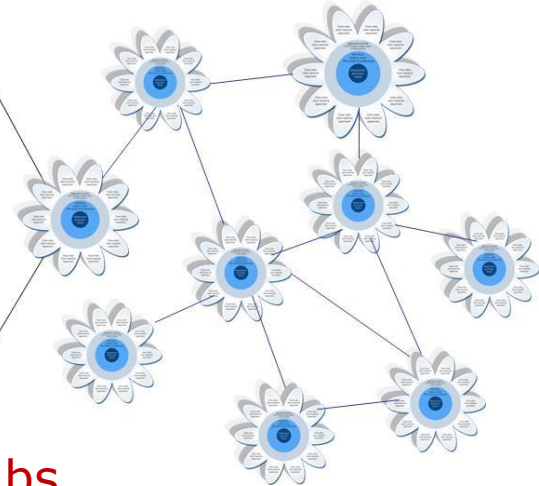
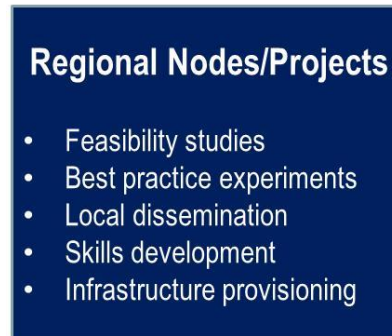
- **RTOs, academia**

❑ Mechanisms:

1. **Call for expression of interest (EoI) for new hubs**
2. I4MS competence centres as **mentors** each launch 5 **sponsoring** contracts (30-50k€)

❑ Role of Mentoring & Sponsorship actions

- Investigate digital needs of regional smart specialisation
- Link needs to I4MS projects and competences
- 3 feasibility studies for Best Practice experiments
- Establish links with local funding bodies



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!