



# ICT-11-2017

## Collective Awareness Platforms for Sustainability and Social Innovation

<http://ec.europa.eu/digital-agenda/en/collectiveawareness>

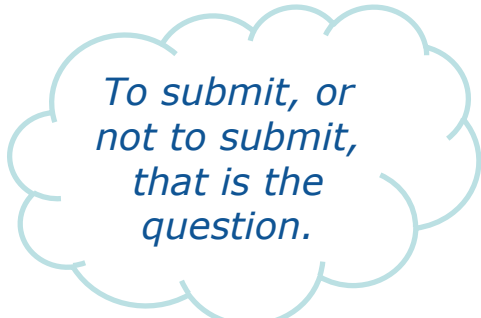
# Challenge

- 
- Capitalise on participatory innovation
  - Develop models and blueprints to produce collective intelligence
    - **leveraging on open data, knowledge networks, open hardware and Internet of things**
  - Demonstrate that innovative combinations of existing or emerging network technologies enable new Digital Social Innovation
    - **to cope with emerging sustainability challenges better than with traditional solutions**

# ICT-11a: Scope

- **Pilots** of Collective Awareness Platforms (CAPS)
- **Demonstrating** new forms of bottom-up innovation and social collaboration
- Exploiting digital citizen engagement and **collaborative tools**
- Based on **open** data, **open** knowledge, **open** source software and **open** hardware
- Harnessing **crowdsourcing** or **crowdfunding** models
- Leveraging on fresh grassroots ideas and civil society **participation** in the broad digital social innovation domain

# ICT-11a: target areas



*To submit, or  
not to submit,  
that is the  
question.*

- New participatory innovation models for economy and society
  - **e.g. collaborative or circular economy, collaborative public services and collaborative making**
- Solutions for sustainable lifestyles
  - **e.g. collaborative consumption and production, smart reuse, low carbon approaches**
- Emerging ethics of digital innovation
  - **e.g. social entrepreneurship, direct democracy, privacy preservation, digital rights**

*At least 1 proposal per area will be selected*

# ICT-11a: methodological approach

- Include in consortia an existing and motivated community of citizens
  - **driving platform development**
- Base the platforms on an appropriate combination of existing or emerging network technologies
  - **e.g. distributed social networks, wikis, sensors, blockchains**
- Demonstrate a durable multidisciplinary collaboration
  - **including in the consortia at least two entities whose main focus of interest is beyond the ICT domain**

# ICT-11a: methodological approach

- **Integrating different platforms**, addressing several sustainability challenges
- **Engaging civil society at large**, for instance through NGOs, local communities, social enterprises, non-profit organisations, students and hackers

# ICT-11b: Coordination & Support Actions

- Coordinate and **support** the CAPS initiative and the underlying broader digital social innovation constituency
- Identify links and **synergies** among different projects
- Ensure **visibility** and contacts at European and international level

# ICT-11: expected impact (1/2)

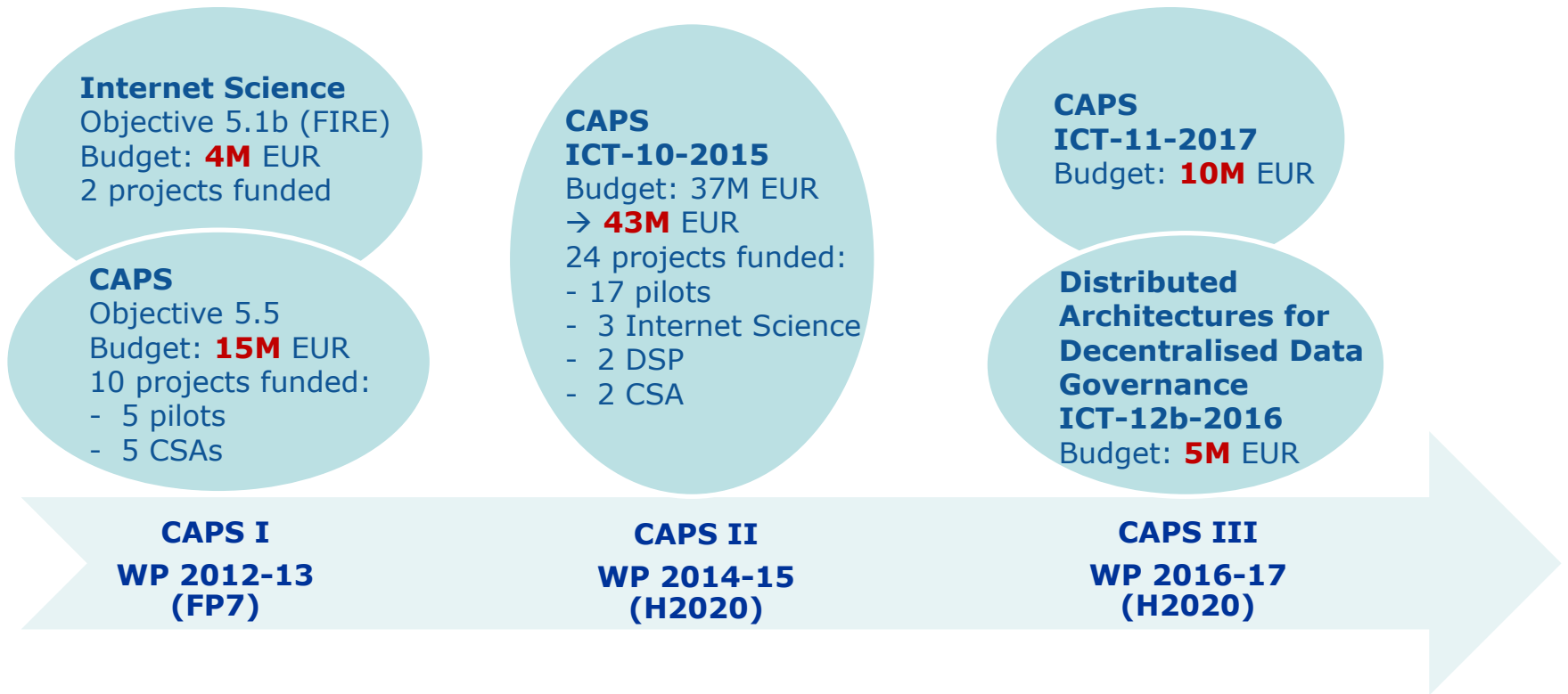
- Demonstrate **increased effectiveness** of new **bottom-up, open and distributed approaches** exploiting network effects and based on open data /open hardware, compared to existing solutions to societal/sustainability challenges
- Capability to reach a **critical mass** of European citizens and to **transpose** the proposed approaches to **other application areas** related to sustainability
- Achieve **effective involvement of citizens and relevant new actors in decision making**, collective **governance**, new **democracy models, self-regulation, citizen science** and citizens' observatories, new business and economic models



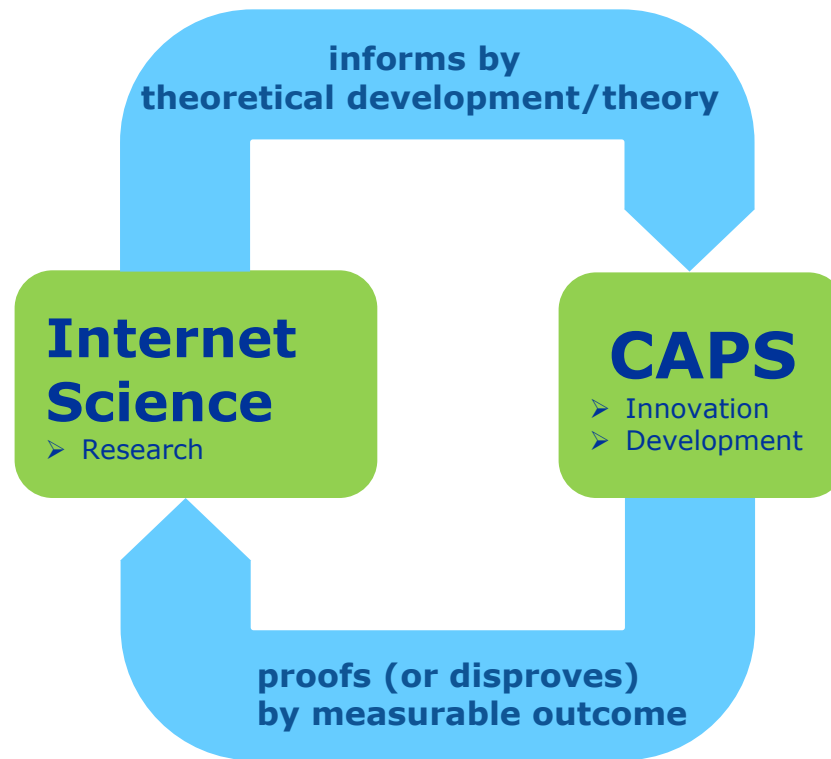
## ICT-11: expected impact (2/2)

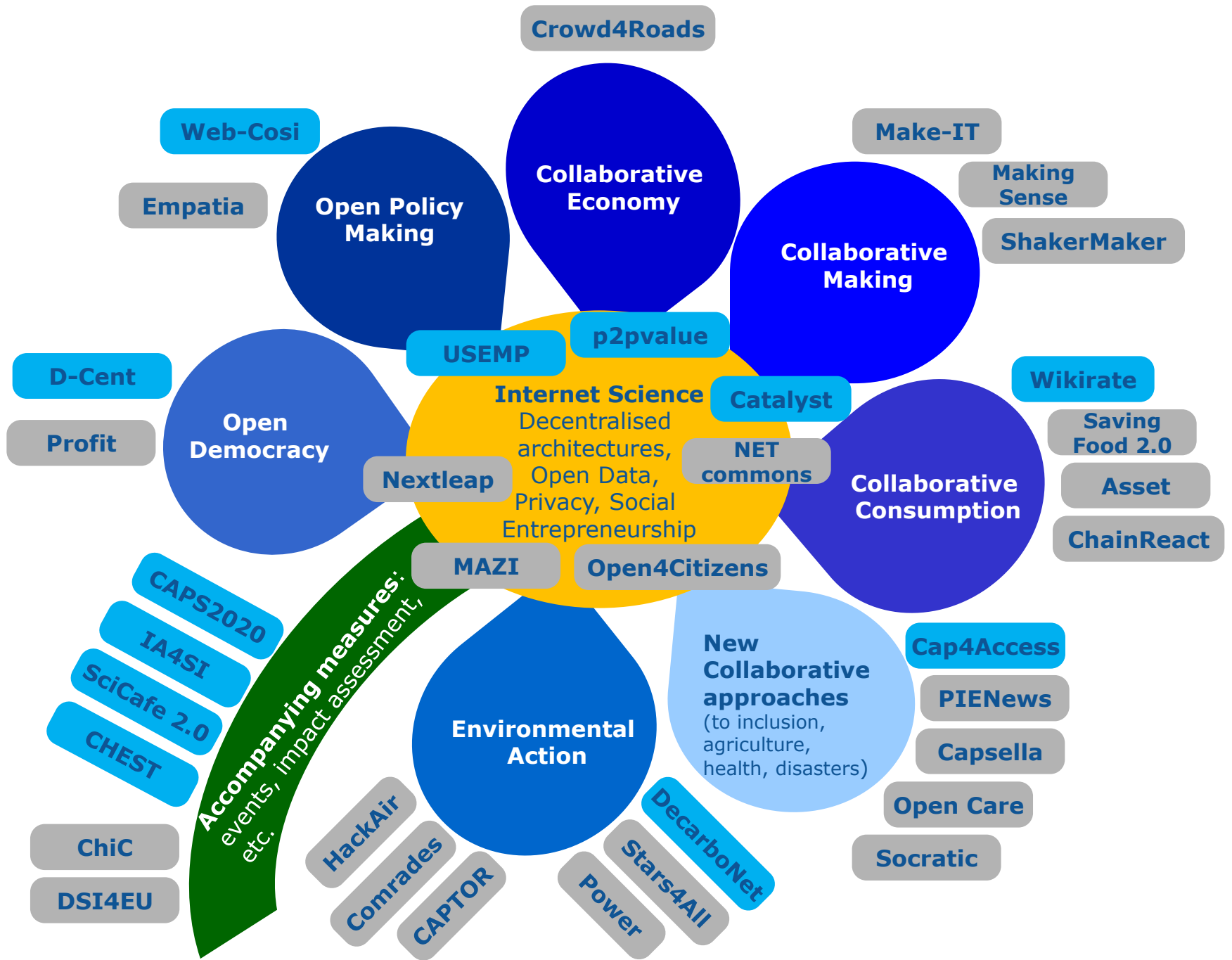
- Achieve measurable improvement in **cooperation among citizens**, (including elderly), researchers, public authorities, private companies and civil society organisations in the development of new **sustainable and collaborative consumption patterns, new lifestyles, and innovative product and service creation and information delivery**
- Demonstrate the applicability of concrete and **measurable indicators** to assess the social impact and the "**social return of investment**" of the proposed solutions

# CAPS: Evolution



# CAPS and Internet Science





# Why multidisciplinary?

To understand:

simple **online reputation mechanisms**



Economics

new **collective models for value creation** beyond monetisation

**motivations** and **incentives** for online collaboration



Innovation

impacts of social networks on

**sustainable collective behaviours**



Legal

...



ICT



Physics



Philosophy



Sociology



Psychology



History



Art



European  
Commission

# EC Study on Digital Social Innovation in Europe

## Crowdmapping actors and networks



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<http://digitalsocial.eu/>

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SOCIAL  
INNOVATION

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# What do we NOT want?

- Proposals without a clear existing (and physical) community of motivated users
  - No "virtual" solution
- Proposals technology-driven, or aiming at purely commercial solutions
  - Rather integrating existing technologies
- Consortia without at least two partners which are focused on non-ICT disciplines
  - Be multidisciplinary!

# ICT-11-2017: Good to know

- ✓ **Opening:** 8 December 2016
- ✓ **Submission deadline:** 25 April 2017
- ✓ **Budget:** 10 M€ (IA: 9M€, CSA: 1M€)

## Work Programme:

[http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016\\_2017/main/h2020-wp1617-leit-ict\\_en.pdf#page=32](http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-leit-ict_en.pdf#page=32)

## CAPS Website:

<http://ec.europa.eu/digital-agenda/en/collectiveawareness>