

# ICT-11-2017

## **Collective Awareness Platforms for Sustainability and Social Innovation**

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

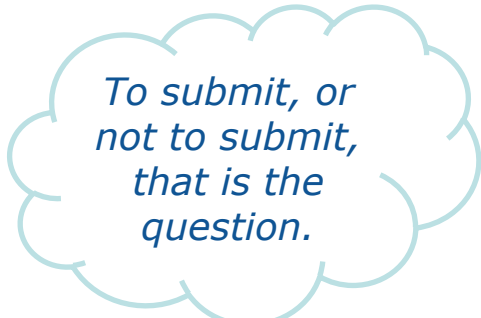
# Challenge

- 
- 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

## Internet Science

Objective 5.1b (FIRE)

Budget: **4M** EUR

2 projects funded

## CAPS

Objective 5.5

Budget: **15M** EUR

10 projects funded:

- 5 pilots
- 5 CSAs

## CAPS

**ICT-10-2015**

Budget: 37M EUR

→ **43M** EUR

24 projects funded:

- 17 pilots
- 3 Internet Science
- 2 DSP
- 2 CSA

## CAPS

**ICT-11-2017**

Budget: **10M** EUR

**Distributed  
Architectures for  
Decentralised Data  
Governance**

**ICT-12b-2016**

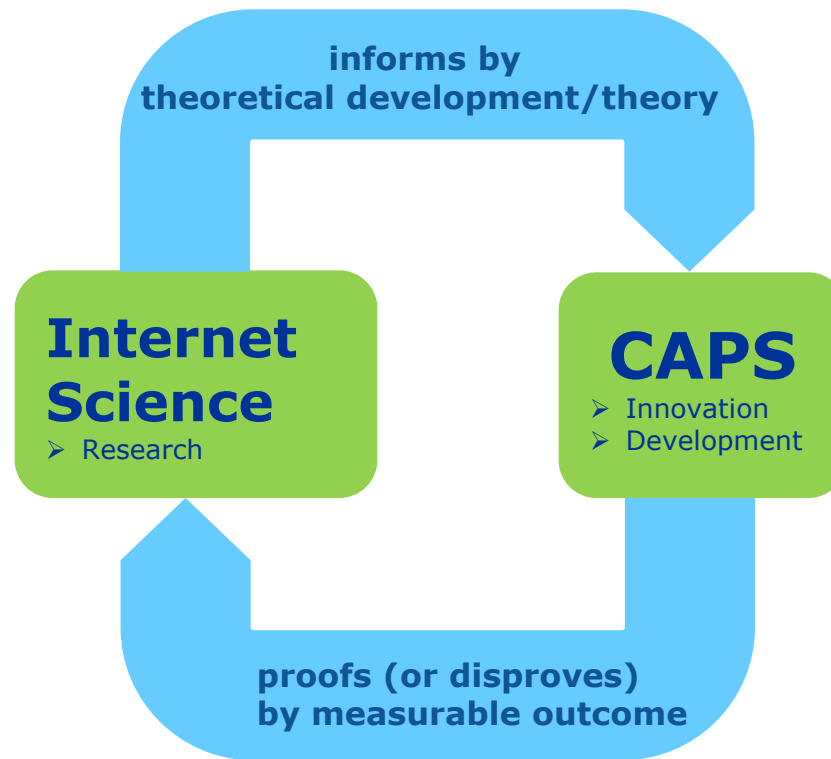
Budget: **5M** EUR

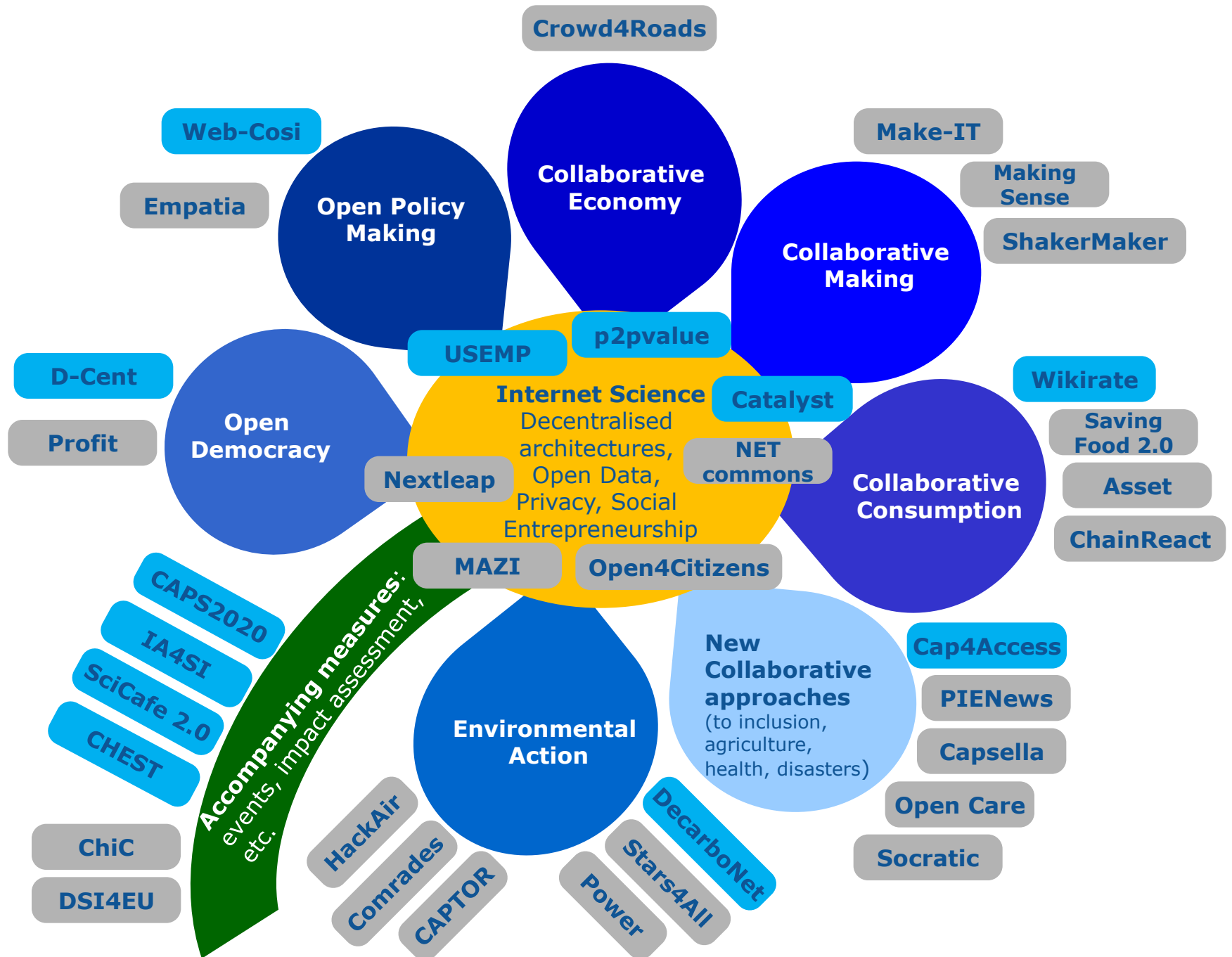
**CAPS I**  
**WP 2012-13**  
**(FP7)**

**CAPS II**  
**WP 2014-15**  
**(H2020)**

**CAPS III**  
**WP 2016-17**  
**(H2020)**

# 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

# EC Study on Digital Social Innovation in Europe

Crowdmapping actors and networks



The screenshot shows the homepage of the Digital Social Innovation platform. It features a map of Europe with various locations marked by numbered pins (1, 2, 3, 4, 5, 6, 8, 9, 17) and connected by lines, representing a network. A large orange 3D cube icon is positioned over the map. The website has a blue header with the European Commission logo. The main content area has a white background with orange accents. A navigation bar includes links for 'About', 'Blog', 'Events', 'Organisations', and 'Activities'. The URL 'http://digitalsocial.eu/' is prominently displayed in large blue text. Below the URL, the words 'DIGITAL SOCIAL INNOVATION' are written in large orange letters. A text box on the right side of the map contains the following text: 'We're setting up a network of organisations that use the Internet for social good.' followed by a bulleted list of three points: 'Be part of a growing community of Digital Social Innovation', 'Inform better policy across the EU', and 'Showcase your work and network to potential funders and investors'. Below the list, it says 'It just takes a few minutes to get started. [Read More.](#)'. At the bottom of the page, there is a green button that says 'Put your organisation on the map' and a link that says 'Already signed up? [Log in.](#)'. The footer contains the copyright notice '© 2013 Digital Social Innovation. Built by Swirrl.' and a link to 'Hide this panel'.

 **DIGITAL  
SOCIAL  
INNOVATION**

[About](#) [Blog](#) [Events](#) [Organisations](#) [Activities](#)

<http://digitalsocial.eu/>

**DIGITAL  
SOCIAL  
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We're setting up a network of organisations that use the Internet for social good.

- Be part of a growing community of Digital Social Innovation
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[Put your organisation on the map](#) [Already signed up? Log in.](#)

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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>

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