



harnessing blockchains to decentralise data governance

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

hot policy/regulatory issues

- *The role of Platforms*
 - **Avoiding concentration of power**
 - **Creating a level playing field**
 - **Defining responsibilities**
- *Big Data aggregation (see also DSM)*
 - **Defining a clear legal framework**
 - **Protecting privacy and ownership of data**
 - **Ensuring digital sovereignty of EU citizens**

Fixing asymmetry in data governance

*Vision: a **distributed architecture** where each piece of user-generated information remains under the full control of the user who generated it*

- **on personal data spaces at local level**
- **subject to on-demand aggregation by third parties**

*enabling **decentralised data governance***

Can we build it?

- *technologies already exist:*
 - **P2P networks (robust distributed architecture)**
 - **blockchains and other distributed ledgers (decentralised certification and security of transactions)**
 - **Open data, linked data**
- *to be generalised to clouds, social networks and IoT*
- *with robust standards*

the goal: creating a decentralised innovation ecosystem

- **Open to new entrants and open innovation:**
 - Low entry barrier to access big data
 - privacy-by-design business models
- **Open to new services: allowing more SMEs and social enterprises to implement social innovation**
 - for collaborative public services
 - collaborative economy
 - collaborative making
 - participatory consumption
 - environmental action
 - open policy making and open democracy

Digital Social Innovation @ DG CONNECT

Call ICT-12b: Distributed architectures for decentralized data governance

- **Demonstrating a distributed open source software and software platform supporting decentralised data and identity management and bottom-up participatory innovation**

Call ICT-11: Pilots of Collective Awareness Platforms for Sustainability and Social Innovation (CAPS)

- **Demonstrating new forms of bottom-up innovation and social collaboration based on open data, open knowledge, open source software and open hardware**
- **Building on 36 running projects**

"Individually, we are one drop.
Together, we are an ocean."
Ryunosuke Satoro



Collective Awareness Platforms for Sustainability and Social Innovation

To harness ICT networks, network effects and collective intelligence for cooperation, supporting new economic models beyond GDP

To create awareness of sustainability challenges - and of bottom-up solutions grounded on real communities of people

Based on open data, open source and open hardware participatory innovation paradigms

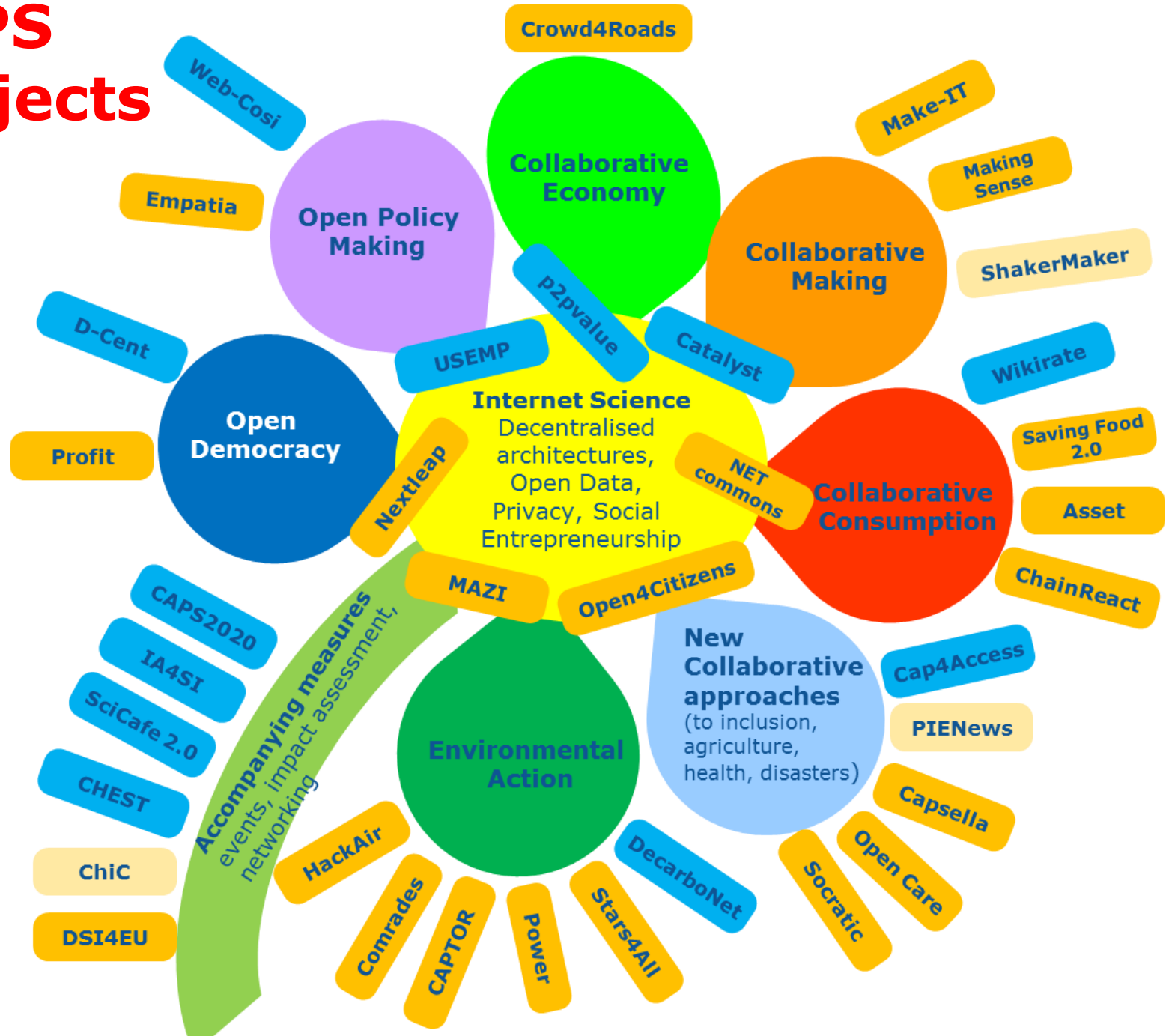
Requires participation of at least two entities from non-ICT domains

Appeals to new grassroots actors (including social entrepreneurs, students, hackers, civil society organisations)



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CAPS projects





Workshop "**Digital Social Innovation in Europe**"

Brussels, 29th June 2016

<https://www.eventbrite.nl/e/dsi4eu-shaping-the-future-of-digital-social-innovation-in-europe-tickets-24925801744>

ICT-11-2017 (CAPS)

- ✓ **Submission deadline:** 25 April 2017
- ✓ **Budget:** 10 M€

Website (background docs, projects, examples, etc.):

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

Crowdmapping DSI actors and networks: <http://digitalsocial.eu>

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