CAPS: hyperconnectivity engaging citizens

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A Digital Social Innovation policy:
Collective Awareness Platforms for Sustainability and Social Innovation (CAPS)

Harnessing ICT networks, network effects and collective intelligence

Creating awareness of sustainability challenges - and of bottom-up collaborative solutions grounded on real communities of people
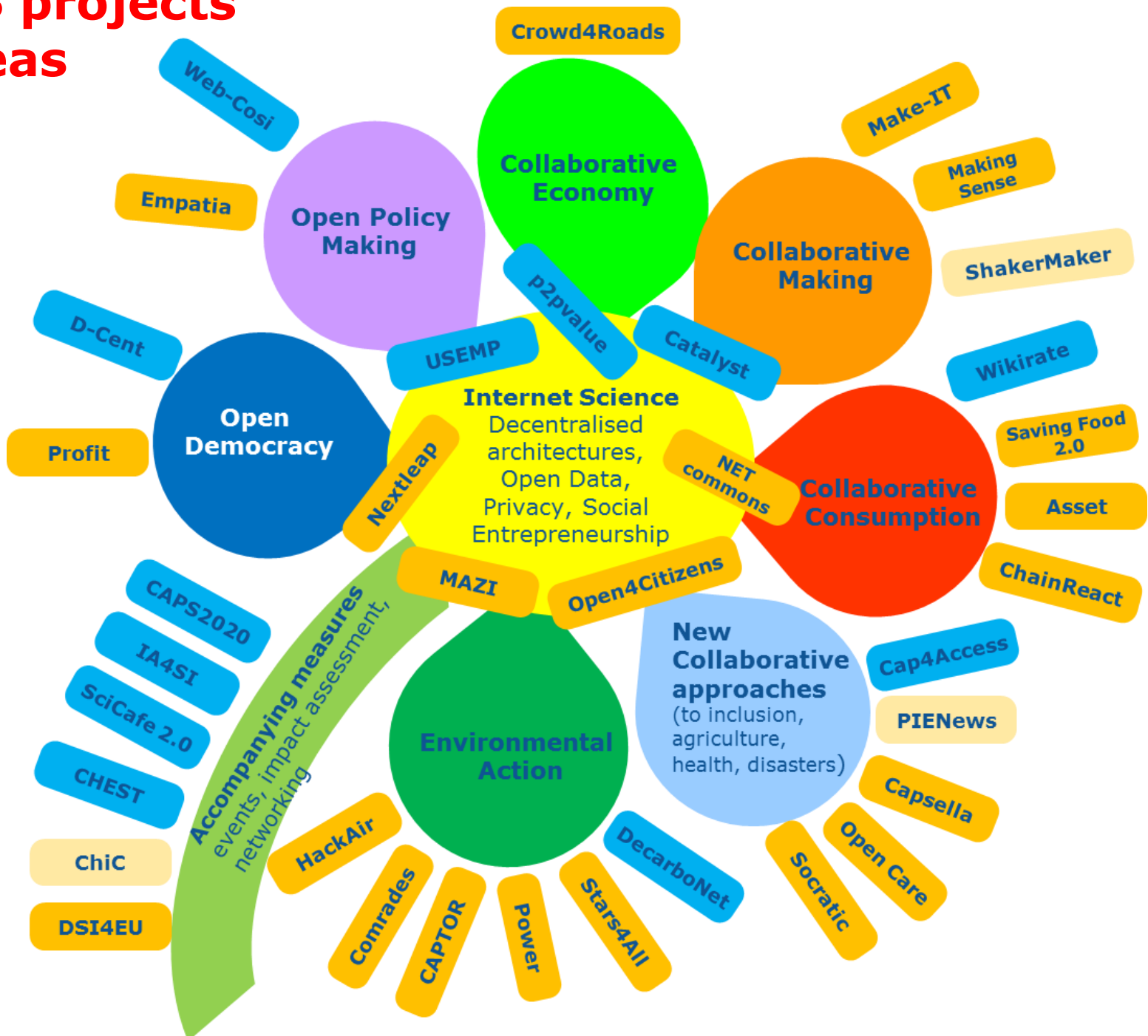
Supporting new economic models beyond GDP

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

Requiring participation of at least two non-ICT partners

Appealing to new grassroots actors: social entrepreneurs, students, hackers, civil society organisations

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

CAPS projects & areas

Crowd4Roads
Web-Cosi
Make-IT
Empatia
Making Sense
Collaborative Economy
Open Policy Making
Collaborative Making
ShakerMaker
D-Cent
p2pvalue
USEMP
Catalyst
Wikirate
Internet Science
Decentralised architectures, Open Data, Privacy, Social Entrepreneurship
Open Democracy
Saving Food 2.0
Profit
Nextleap
NET commons
Collaborative Consumption
Asset
MAZI
Open4Citizens
ChainReact
CAPS2020
Accompanying measures events, impact assessment, networking
New Collaborative approaches (to inclusion, agriculture, health, disasters)
Cap4Access
IA4SI
PIENews
SciCafe 2.0
Environmental Action
Capsella
CHEST
DecarboNet
Open Care
ChiC
HackAir
Socratic
DSI4EU
Comrades
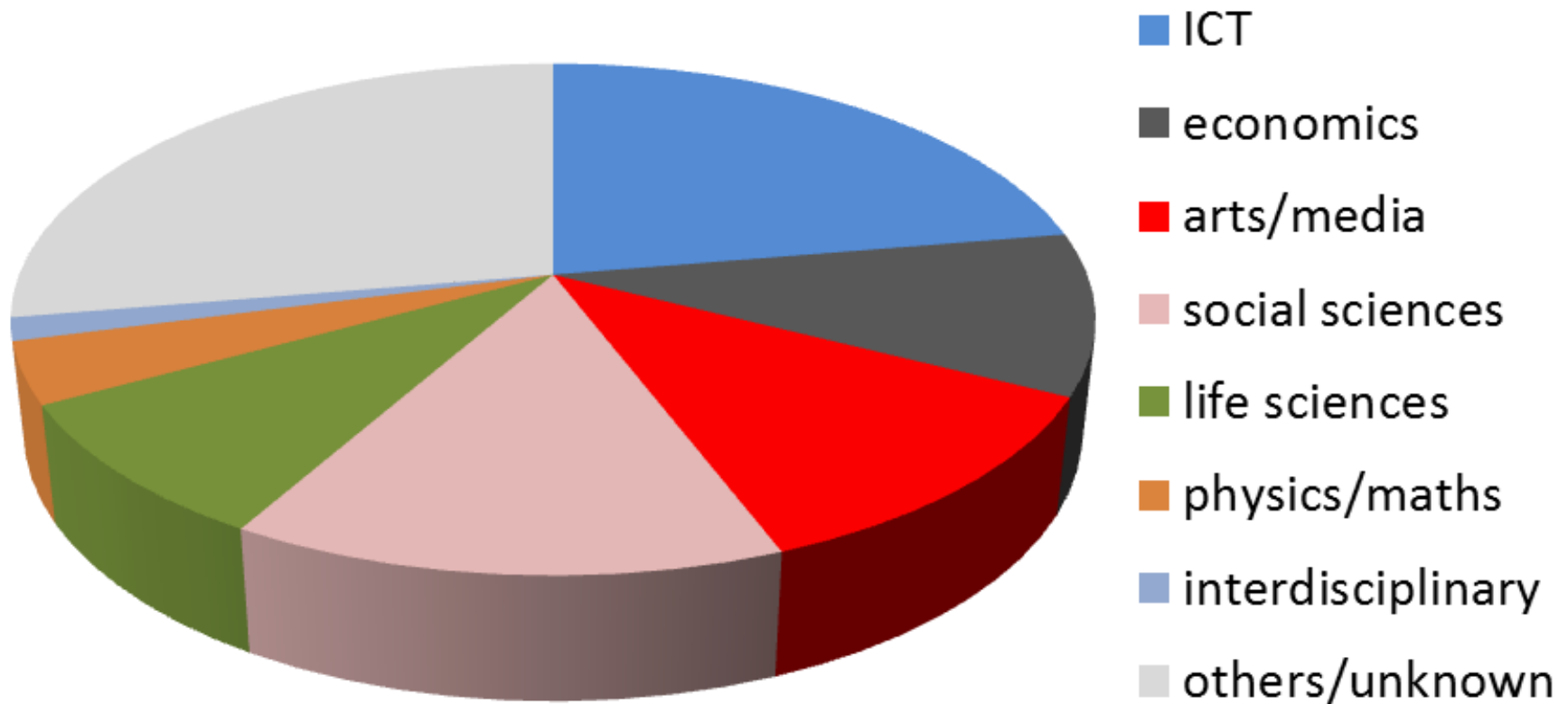CAPTOR
Power
Stars4All

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Tools for democratic participation and citizen empowerment

(1ˢᵗ call of CAPS, Collective Awareness Platforms for Sustainability and Social Innovation)

- **Be informed and notified on issues that matter to you**
  Citizen notifications for town hall decisions

- **Propose and draft solutions and policy collaboratively**
  Collaborative policy making

- **Decide and vote on solutions collectively**
  Electronic voting

- **Implement and reward people while tracking progress**
  Blockchain reward scheme (freecoin)

- **Large-scale democracy pilots**
  Barcelona
  Reykjavik
  Helsinki   http://dcentproject.eu/wp-content/uploads/2016/06/D-
  Madrid   CENT_PUBLISHABLE-SUMMARY-05-2016_A5_final_web.pdf

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Academic participation in the 2nd CAPS call

ICT
economics
arts/media
social sciences
life sciences
physics/maths
interdisciplinary
others/unknown

Why is DSI important?

For society

- **delivering public services for and by the citizens**

For the environment

- **collaborative solutions to reduce pollution, crowdmap issues (traffic, etc.)**

For the economy

- **enabling new economic models (sharing or collective economy)**

For the Internet itself

- **driving different technological priorities for its decentralised development**

example: DECODE   start
1/1/2017

➢ *Demonstrating a distributed open hardware and software platform supporting*

- **decentralised data and identity management**
- **bottom-up participatory innovation**

➢ *using **decentralised algorithms based on blockchains***

➢ *Involving*

- **technological actors** (P2P, blockchains and open source developers, open hardware manufacturers, experts in security, encryption)
- **civil society organisations** (local communities, digital rights advocacies, artists, social scientists)
- **developers of the overlying social applications and systems** (creative industries, SMEs, social entrepreneurs, software developers)

➢ *Creating robust open standards*

http://decodeproject.eu/   7
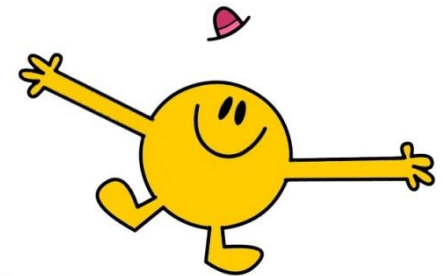
Key aspects of DSI

Participatory
- **Innovation by the people**

Open
- **To new ideas and to new actors**

Bottom-up
- **Leveraging on people's creativity**

Decentralised
- **To give people a choice**

Multidisciplinary
- **Innovation happens at the crossroads**

Why decentralisation?

Centralised	Decentralised
One choice	Multiple choices
Uniformity	Diversity
Monopoly	Network neutrality
Proprietary solutions	Open standards, open source
Clouds	Community networks
Monitoring	Privacy
Asymmetric data flows	Decentralised data governance

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Towards a Manifesto for DSI?

To give a **stronger voice** to DSI communities in Europe

To raise **public and political awareness** (and **support**, also financial) of DSI and its impact

- for society, economy, environment and the Internet itself

To **network** diverse activities and share best practices

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CAPS (ICT11):

demonstrating new forms of bottom-up innovation and social collaboration **exploiting digital hyper-connectivity** *and collaborative tools based on* open data, open knowledge and open *source and hardware:*

- New **innovation models** for economy and society
- Solutions for **sustainable lifestyles** such as collaborative consumption and production, smart reuse and low carbon approaches
- **Emerging ethics** of digital innovation, such as social entrepreneurship, direct democracy and digital rights

Recommended budget per proposal: 1-2 M€

At least one proposal per area

Total budget: 9 M€

leverage on fresh grassroots ideas and civil society participation in the broad digital social innovation domain, and:

- **Include in consortia an existing and motivated community of citizens, to drive 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 by including in the consortia at least two entities whose main focus of interest is beyond the ICT domain.**

Proposers are encouraged to integrate different platforms, addressing several sustainability challenges at a time, in order to achieve critical mass and measurable global impact

Preference will be given to proposals engaging civil society at large, for instance through NGOs, local communities, social enterprises, non-profit organisations, students and hackers.

What do we NOT want?

- Proposals without a clear existing (and physical) community of motivated users
  - ➢ No "virtual" solution (but g-local solutions)

- 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!

3rd call: Horizon 2020 - WP2017

Coordination and support Actions:

to coordinate and support the CAPS initiative and the underlying broader digital social innovation constituency

- **by identifying links and synergies among different projects**
- **and ensuring visibility and contacts at European and international level**

- **Recommended budget: 0.2 – 0.8 M€**
- **Available budget: 1 M€**

Expected Impact:

- Demonstrate **increased effectiveness**, compared to existing solutions to societal and sustainability challenges, of new bottom-up, open and distributed approaches

- Capability to **reach a critical mass** of European citizens and to be applied to other sustainability areas

- Achieve effective **involvement of citizens** and relevant new actors in decision making, collective governance, new democracy models, self-regulation, citizen science , new business and economic models

- Achieve measurable **improvement in cooperation among citizens**, researchers, public authorities, private companies and civil society in the development of new sustainable and collaborative consumption patterns, new lifestyles

- Demonstrate the applicability of concrete and measurable indicators to **assess the social impact** and the "social return of investment" of the proposed solutions

Digital social innovation @ DG Connect

THANK YOU!

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Digital Social Innovation (DSI), CAPS:
https://ec.europa.eu/digital-single-market/en/collective-awareness