



Decentralised, Inclusive and Sustainable Digital Platforms

Digital Single
Market Europe

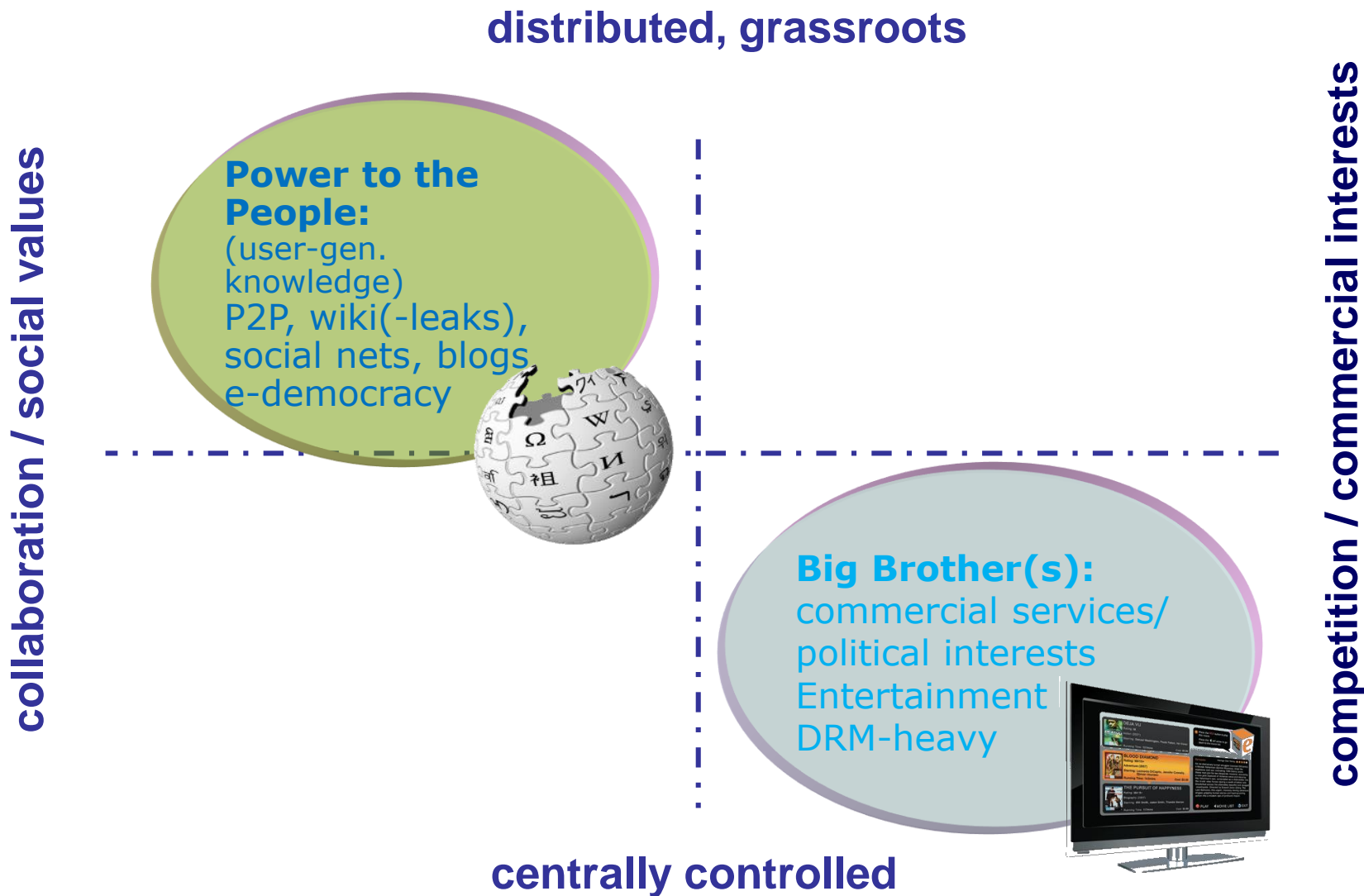
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the **future** Internet: what will it look like?

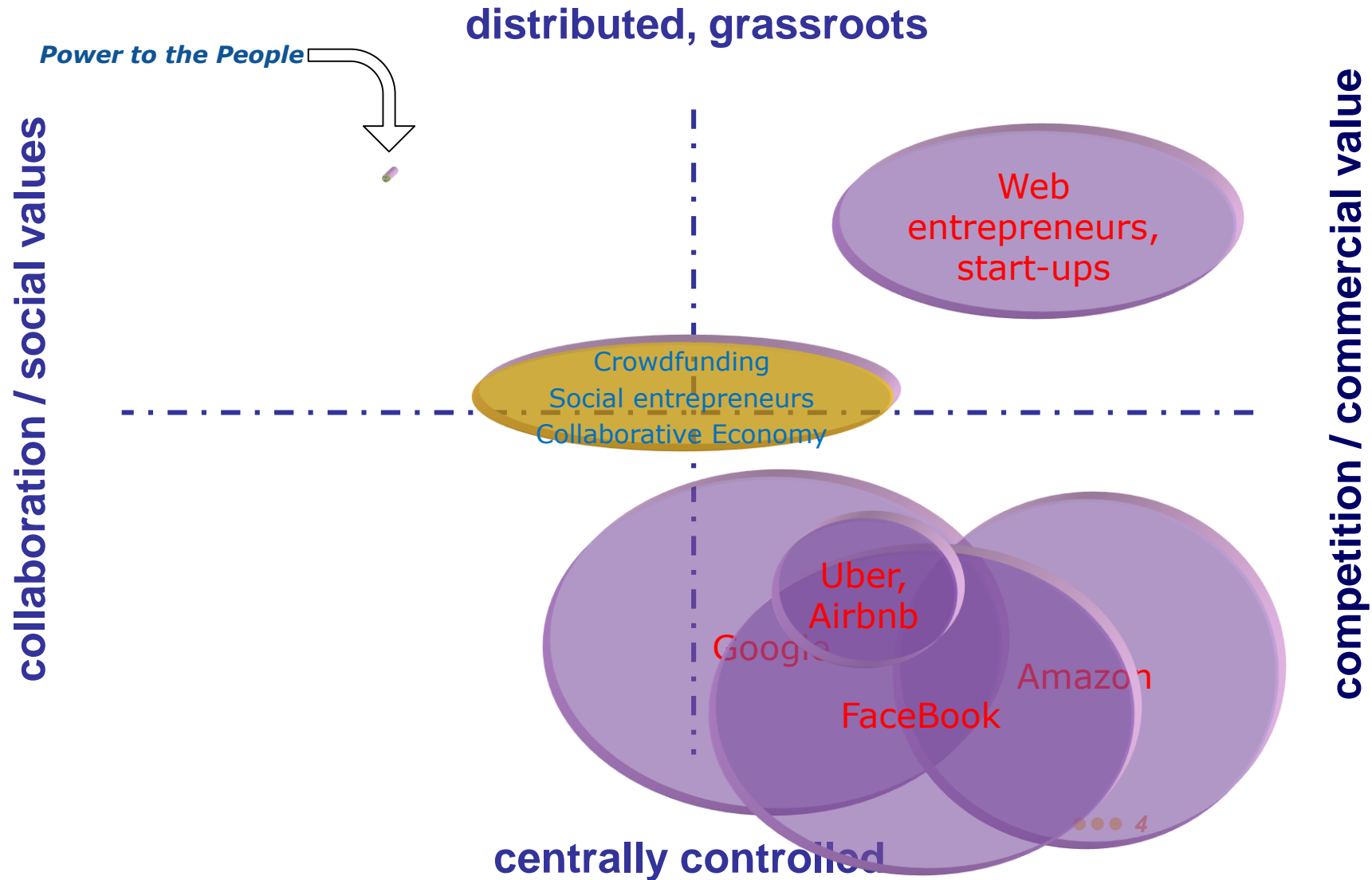


How to shape a better Internet?

Future Internet dimensions



...and today?



Challenges for the future Internet

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more digital = more inequality?



Why decentralisation?

- **Privacy**

(decentralised data governance)

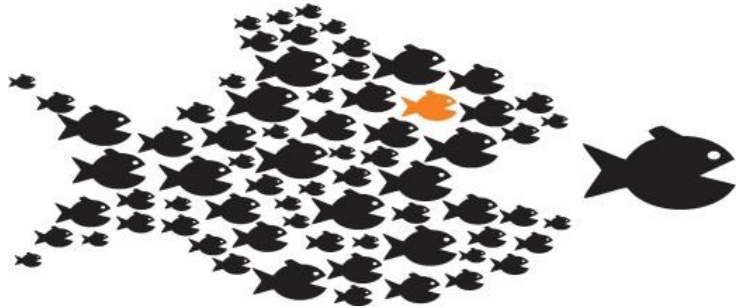
- **Disintermediation**

(open standards, open source, open innovation)

- **Enabling Collective Intelligence**

(collective awareness platforms)

Collective Awareness Platforms for Sustainability and Social Innovation



Bottom-up collaborative solutions to sustainability challenges

Harnessing ICT networks, network effects and collective intelligence

Grounded on real communities of people

Supporting new economic models beyond GDP

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

Requiring participation of at least two non-ICT partners

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

CAPS projects



- <https://youtu.be/IBzdmbV0Yug>

EIC Prize on "Blockchains for Social Good"

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- "To develop scalable, efficient and high-impact **decentralized solutions to social innovation challenges** leveraging Distributed Ledger Technology (DLTs), such as the one used in blockchains"
- "Targeting social innovations in which decentralized solutions based on DLTs have shown **clear benefits over conventional centralised platform solutions** "
- **5 awards of €1 Million each**, corresponding to different social application areas
- Deadline for registration of interest: 2 April 2019
 - at ec-bc4good-prize@ec.europa.eu
- Deadline to **submit** applications: **3 September 2019** at 17:00 CET

EIC Prize on "Blockchains for Social Good"

European
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Application areas:

- a) demonstrating the **origin** of raw materials or products and supporting fair trade and the fair monetization of labour;
- b) allowing for a greater visibility of public spending and a greater **transparency** of administrative and production processes;
- c) participation in **democratic decision-making** by enabling accountability, rewarding of participation and/or anonymity;
- d) enabling the development of **decentralized social networks or clouds**, or of decentralized platforms for the collaborative economy;
- e) managing property, land registry or other **public records**;
- f) contributing to **financial inclusion**;
- g) **any other** area not listed above.

EIC Prize on "Blockchains for Social Good"

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Open to any legal entities (i.e. natural or legal persons, including international organisations) or groups, worldwide:

- **Individuals**
- **Social entrepreneurs**
- **Civil society organisations**
- **Academia/research centers (in humanistic and life sciences)**
- **Creative industries**
- **Start-ups**
- **SMEs**

*Participants are required to release their source codes under an **Open Source Licence***

Award criteria:

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- ❑ **Positive social impact:** both potential and already achieved (e.g. size of the community of users, TRL7 or more)
- ❑ **Decentralization and governance:** improvements in transparency (respecting privacy) compared to centralised solutions, based on **multidisciplinary** considerations across technological (computing, programming, etc.), social (sociology, psychology, art, etc.) and economic (innovation, new economic models, etc.) sciences
- ❑ **Usability, inclusiveness, affordability,** in order to **engage** and include citizens at large irrespective of their gender, background, financial capabilities or computer skills
- ❑ **Viability at large scale:** cost-efficiency (including energy consumption), scalability, security, sustainability
- ❑ **Clear added value for European citizens:** novelty, effectiveness compared to existing centralised solutions, other societal, environmental or economic aspects

Rules of contest for the EIC Prize on "Blockchains for Social Good"

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The **best 5 applications in each application area** will be invited as finalists to demonstrate and discuss their solution during a **hearing** with the jury

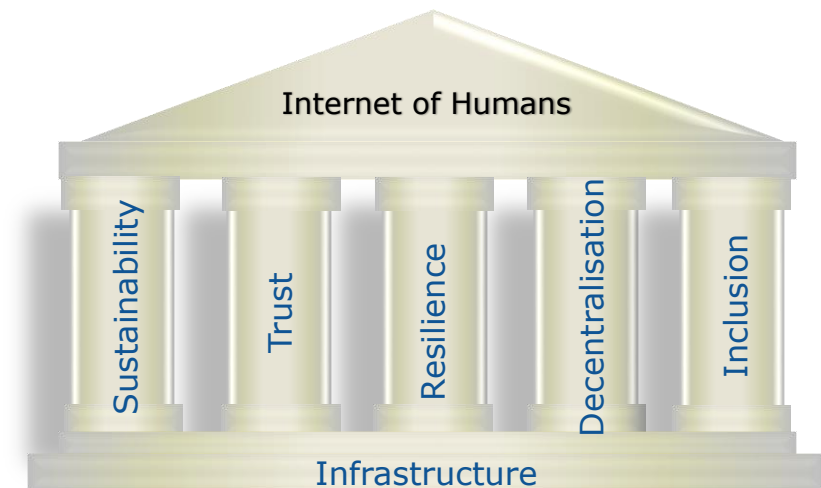
The finalists should be available to **demonstrate and discuss their applications during a public event** expected to take place in the last quarter of 2019 in Brussels

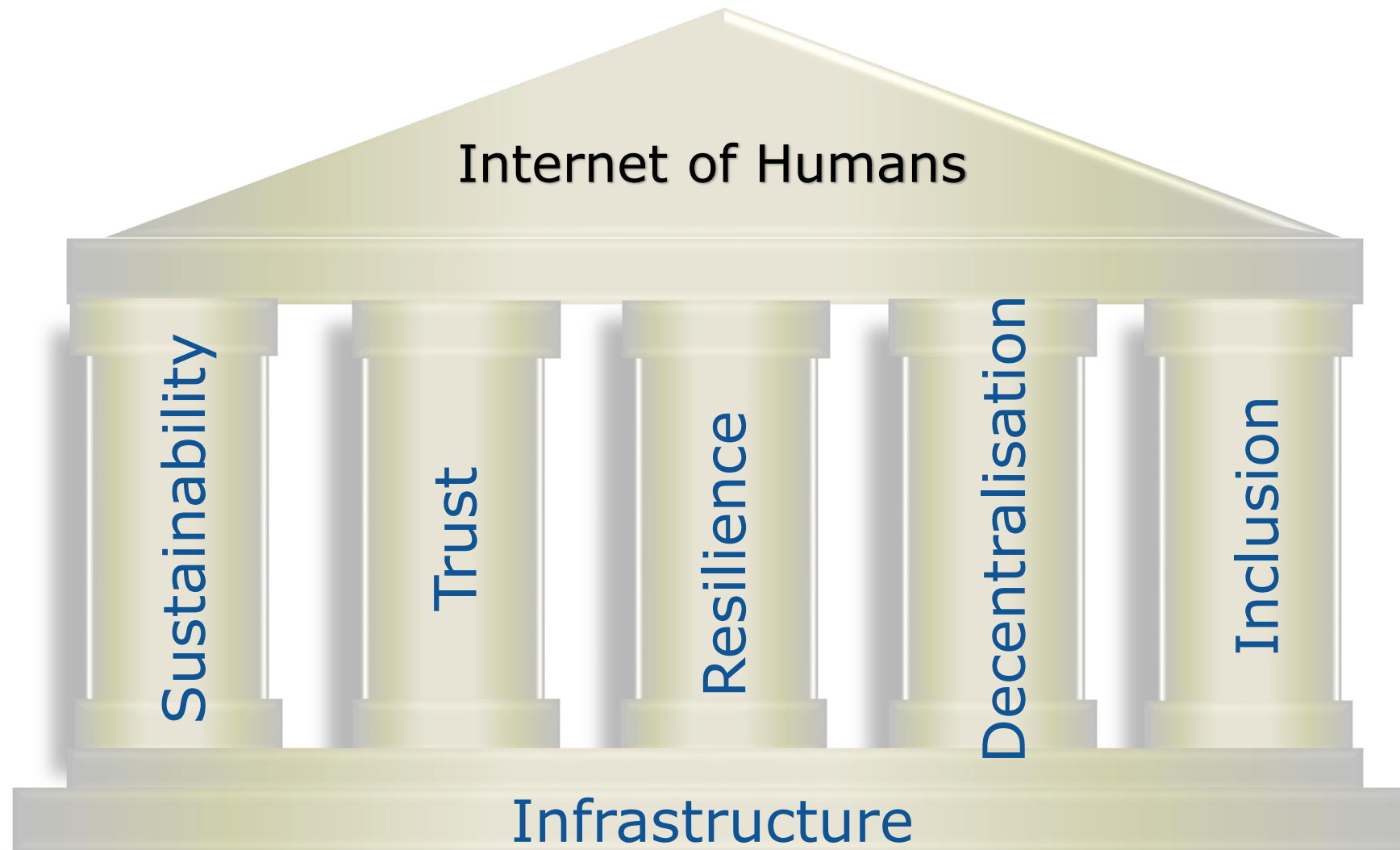
The prizes will be awarded (at latest in February 2020) to the **best 5 solutions which address different application areas** (each prize in a different area)

How to shape a better Internet?

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- ❖ Engage **real communities** of citizens as active drivers of innovation: develop their skills to **design** the digital society (not just to **live** in it)
- ❖ Increase **citizens' trust** in Internet: concrete use cases addressing **sustainability** and **ethical** concerns
- ❖ Pioneer **decentralization**: both in infrastructure and governance
- ❖ Leveraging on **open data and open source**
- ❖ Building on **successful** models and architectures (e.g. DECODE)
- ❖ Defining **open** mechanisms for small scale **funding** of innovators
- ❖ Building on a **multidisciplinary** view of Internet





NGI Open Internet initiative @NGI4eu, www.ngi.eu

Research projects (cascading grants) launched in 2018

- ***a) Privacy and trust enhancing technologies:*** *to help users achieve greater control when sharing their personal data*
- ***b) Decentralized data governance:*** *explore new distributed data management systems based on P2P and **Blockchains**, paying attention to ethical, legal and privacy issues*
- ***c) Discovery and identification technologies:*** *to access heterogeneous data sources, services, objects and sensors, devices, content, etc.*

Manifesto for Digital Social Innovation

sign at <https://www.dsimanifesto.eu>

1. Openness and Transparency

- **Mandate Open-Source, Promote Open Data, Sustain Open Knowledge**

2. Democracy and decentralization

- **Accelerate democracy projects, Showcase open democracy, Promote awareness**

3. Experiment and adopt

- **Bring together, Set technological priorities, Public adoption**

4. Digital skills and multi-disciplinarity

- **Promote digital skills, More ICT curricula, Incentives for multi-disciplinarity**

5. Sustainability

- **Shift funding governance (from lobbies to bottom-up), Methodology, Additional sources**