e-infrastructures

Sustainability and business models

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Key messages

- The key feature of e-Infrastructure is to support **Digital Science**, science becoming increasingly open, global, collaborative and closer to society.
- Exploitation of scientific data and creation of **data value chains** should be in our radar as our economy becomes digital. Open science, data driven science and economy are linked as demonstrated in the G8+O5 principles for open data infrastructures.
- Sustainability of Research Infrastructures is linked to our ability to make choices on **what is needed at EU level**.

Digital Science

New science:
New disciplines, new research topics

More efficient science: shared resources, dynamic collaborations, democratization of research

New research methods, e-infrastructures, big data

Citizen engagement in research (citizen science) and scientific debate

ICT-enabled transformation of science

Open research collaborations (open science), crowdsourcing

Open access to research results (publications & data) and processes

Higher impact science: relevance, accessibility and impact to society and industry

Better science:
Transparent and replicable research

Data Value Chain

Cross cutting open science, data-driven science and economy

5 Principles for an Open Data Infrastructure (G8+O5 White Paper)	6 RDA Principles
• Discoverable • Accessible • Understandable • Manageable • People	• Openness • Consensus • Balance • Harmonization • Voluntary • Non-profit

e-infrastructures drive the knowledge exchange