



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**.



New science:
New disciplines, new research topics

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

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

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

Better science:
Transparent and replicable research

Cross cutting open science, data-driven science and economy

5 Principles for an Open Data Infrastructure (G8+O5 White Paper)

- Discoverable
- Accessible
- Understandable
- Manageable
- People

6 RDA Principles

- Openness
- Consensus
- Balance
- Harmonization
- Voluntary
- Non-profit

e-infrastructures drive the knowledge exchange

