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Research Data Management in Austria

A manageable task for Austrian research institutions?

Paolo Budroni, Barbara Sánchez Solís

National Survey 2015

- Purposes:
  - Status quo on research data management
  - Desiderata
  - Enabling open science
  - Raise awareness

- Method:
  - Online survey (26 questions, German and English, anonymous)
  - Software *LimeSurvey*
  - Duration of survey: 19th January to end of March 2015
  - Analysis and report 4 months
  - Results published in German and English

Target and response

- Researches of all 21 public universities and three extra-university research institutions in Austria

- From post doc level upwards

- According to knowledge management report: 36.000 researchers

- Response rate: 9% nationwide

Open Science Vision - Challenges

A new ecosystem of services

High interest in support

60% Technical infrastructure
49% Specific support
42% Legal advice
41% Helpdesk
37% Training courses

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A common strategic vision

Expectations on the institution:
Qualified personnel
Guidelines
Policies

High interest in

8% Configuration

Infrastr

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Data types and formats

97% **Text files**
81% **Graphics**
67% **Tables**

34% **Structured text**
28% **Video**
27% **Data base**
23% **Sourcecode**

21% **Audio**
20% **Software**
8% **Configuration files**

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Collaborative data infrastructures

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Re-design of re-use scenarios

Are your research data **reusable** to others?
78% Yes or sometimes
22% No

Do you make user agreements?
36% No
45% Yes:
Cooperation agreements
Open content licenses
Individual agreements

Towards an open science ecosystem

Identification of target groups

Whom do you grant access to your research data?

By request — 57 — **Upon request 57%**
Selected institutional members — 53
Scientific community — 28
Whole institution — 18
Public — 11 — **Open Access 11%**
No one — 9
Other — 3
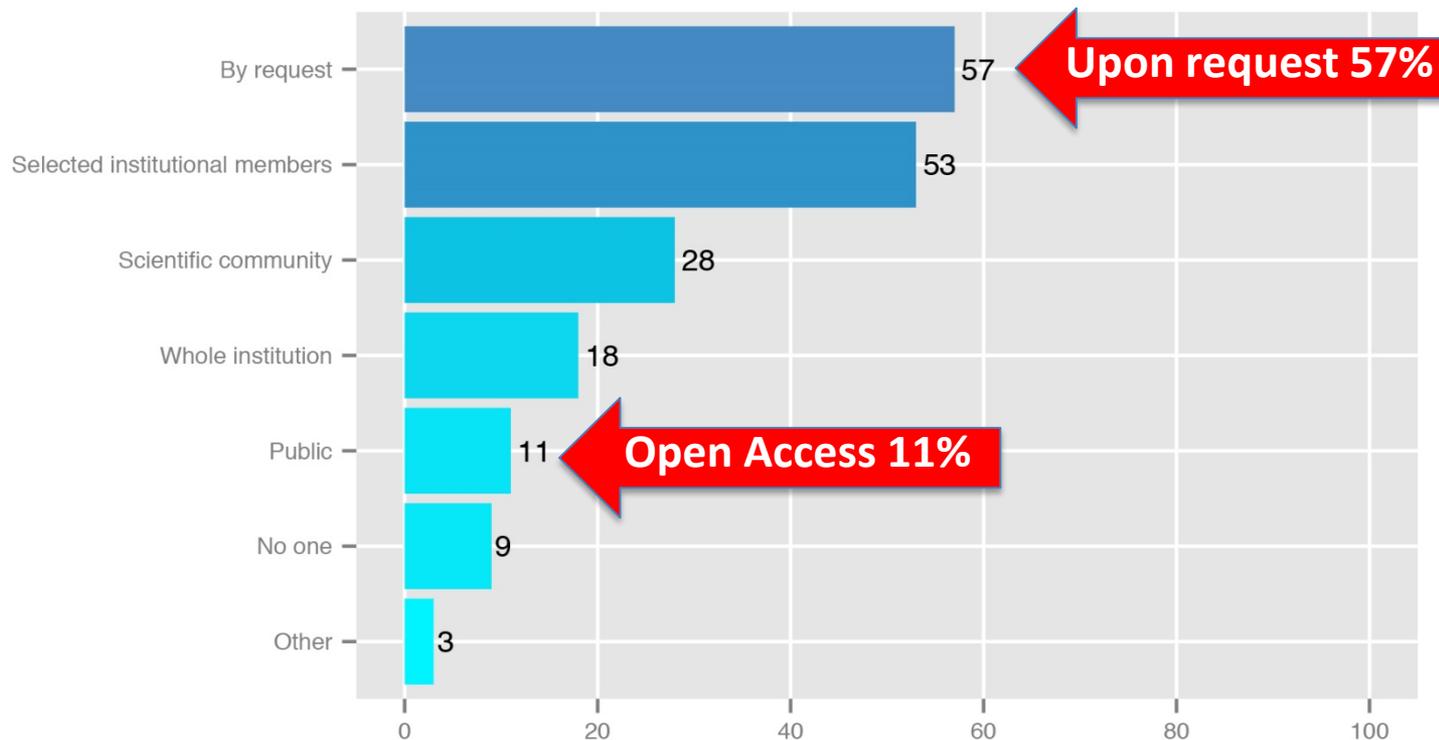
Relative response rate (%)

Re-thinking of scientific workflows

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Coordination between various e-infrastructure components

How can others access your research data?

Relative response rate (%)

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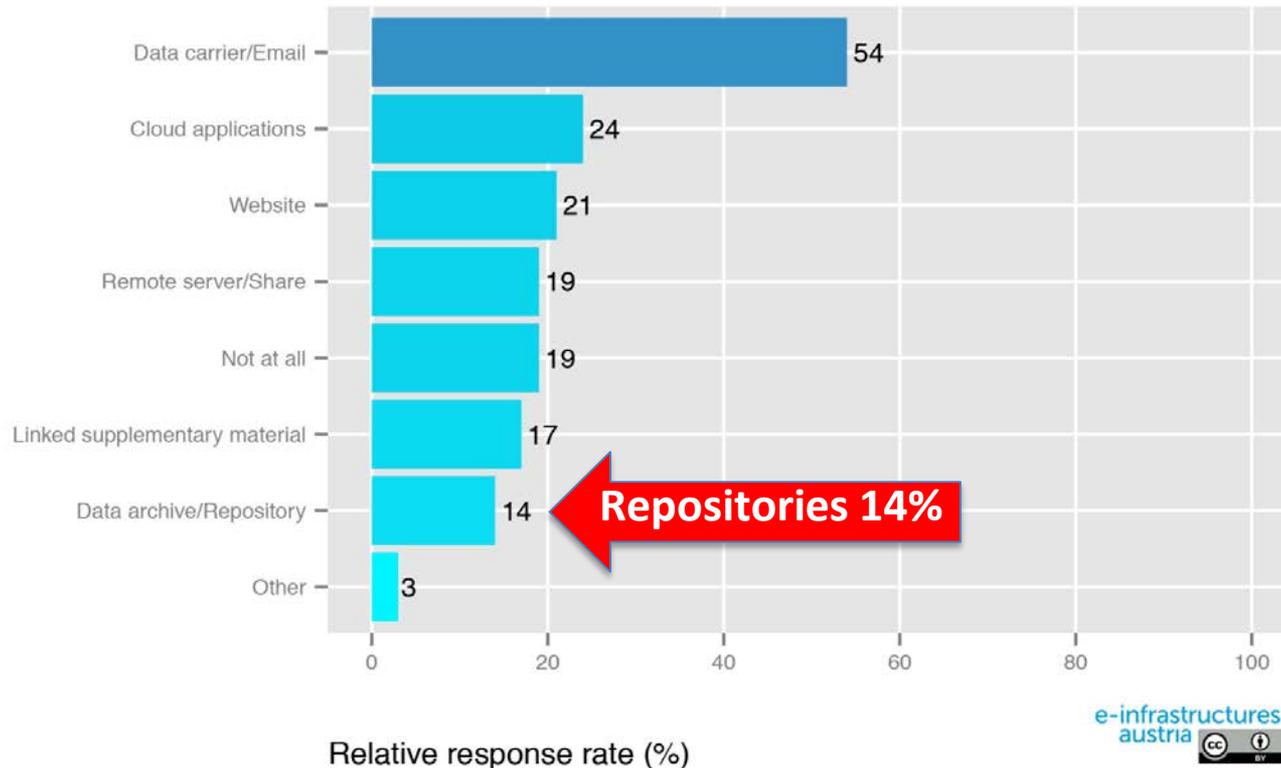
Enhancing sustainability

What happens when you leave your institution?

43% Data remain at institution

36% Data are taken

5% Data are deleted

A common e-infrastructure umbrella

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Conclusions

- Results conform with international reviews (e.g. Parse Insight)

- Enabling Open Science Vision

- Need of platforms for the coordination of services

- Required: Service orientation, catalogue of services, innovation through co-design, prototyping

- Need of definition of e-infrastructure essentials

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Recommendations

- Reference points at local level
- Written collaboration agreements
- Need of well-organised user committees
- Shared services
- Central, national services
- Embedding in transnational e-infrastructures initiatives
- Release of RDM policies
- Implementation of incentive schemes
- Define manageable tasks for Austrian research initiatives

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Thank you

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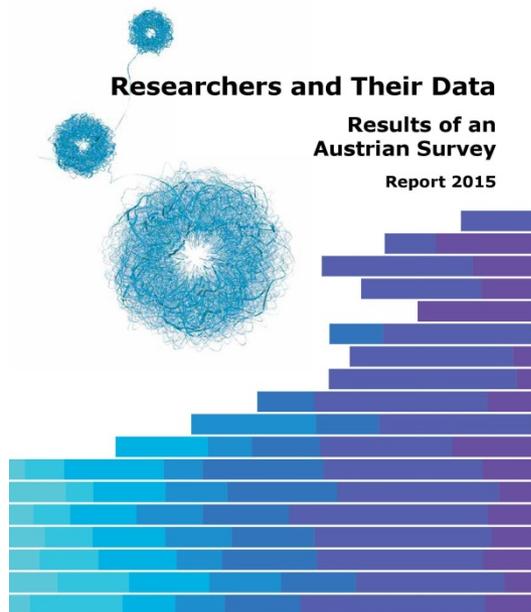
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Downloads

Download full report:

Zenodo:
DOI 10.5281/zenodo.34005

Phaidra (e-book format):
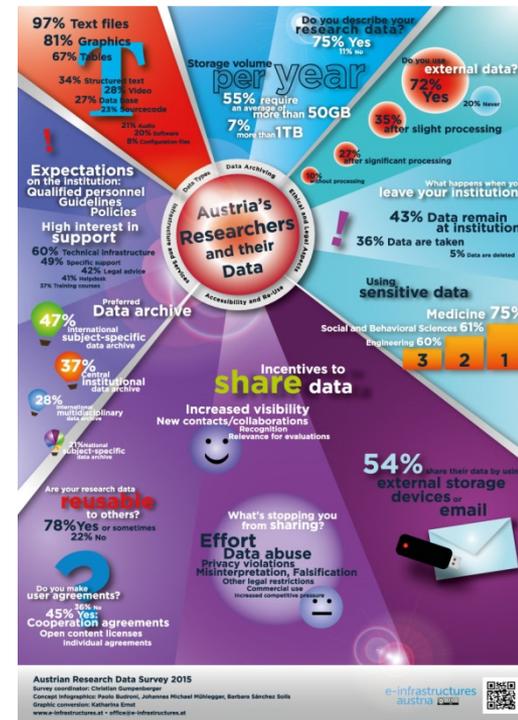https://phaidra.univie.ac.at/detail_object/o:409473

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