Research Data Management in Austria
A manageable task for Austrian research institutions?

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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
A new ecosystem of services

High interest in support

60% Technical infrastructure
49% Specific support
42% Legal advice
41% Helpdesk
37% Training courses
A common strategic vision

Expectations on the institution: Qualified personnel Guidelines Policies
Data types and formats

- 97% Text files
- 81% Graphics
- 67% Tables
- 34% Structured text
- 28% Video
- 27% Database
- 23% Sourcecode
- 21% Audio
- 20% Software
- 8% Configuration files
Collaborative data infrastructures

Storage volume per year

55% require an average of more than 50GB

7% more than 1TB

27% after signing
Re-design of re-use scenarios

Are your research data reusable to others?

78% Yes or sometimes 22% No

Do you make user agreements?

45% Yes: Cooperation agreements
36% No

Open content licenses
Individual agreements
Towards an open science ecosystem

Incentives to share data

Increased visibility
New contacts/collaborations
Recognition
Relevance for evaluations

What's stopping you from sharing?

Effort
Data abuse
Privacy violations
Misinterpretation, Falsification
Other legal restrictions
Commercial use
Increased competitive pressure
Identification of target groups

Whom do you grant access to your research data?

- By request: 57%
- Selected institutional members: 53%
- Scientific community: 28%
- Whole institution: 18%
- Public: 11%
- No one: 9%
- Other: 3%

Relative response rate (%)
Re-thinking of scientific workflows

54% share their data by using external storage devices or email.
Coordination between various e-infrastructure components

How can others access your research data?

- Data carrier/Email: 54%
- Cloud applications: 24%
- Website: 21%
- Remote server/Share: 19%
- Not at all: 19%
- Linked supplementary material: 17%
- Data archive/Repository: 14%
- Other: 3%

Repositories 14%
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
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
**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
Thank you

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