

# e-Infrastructures Austria

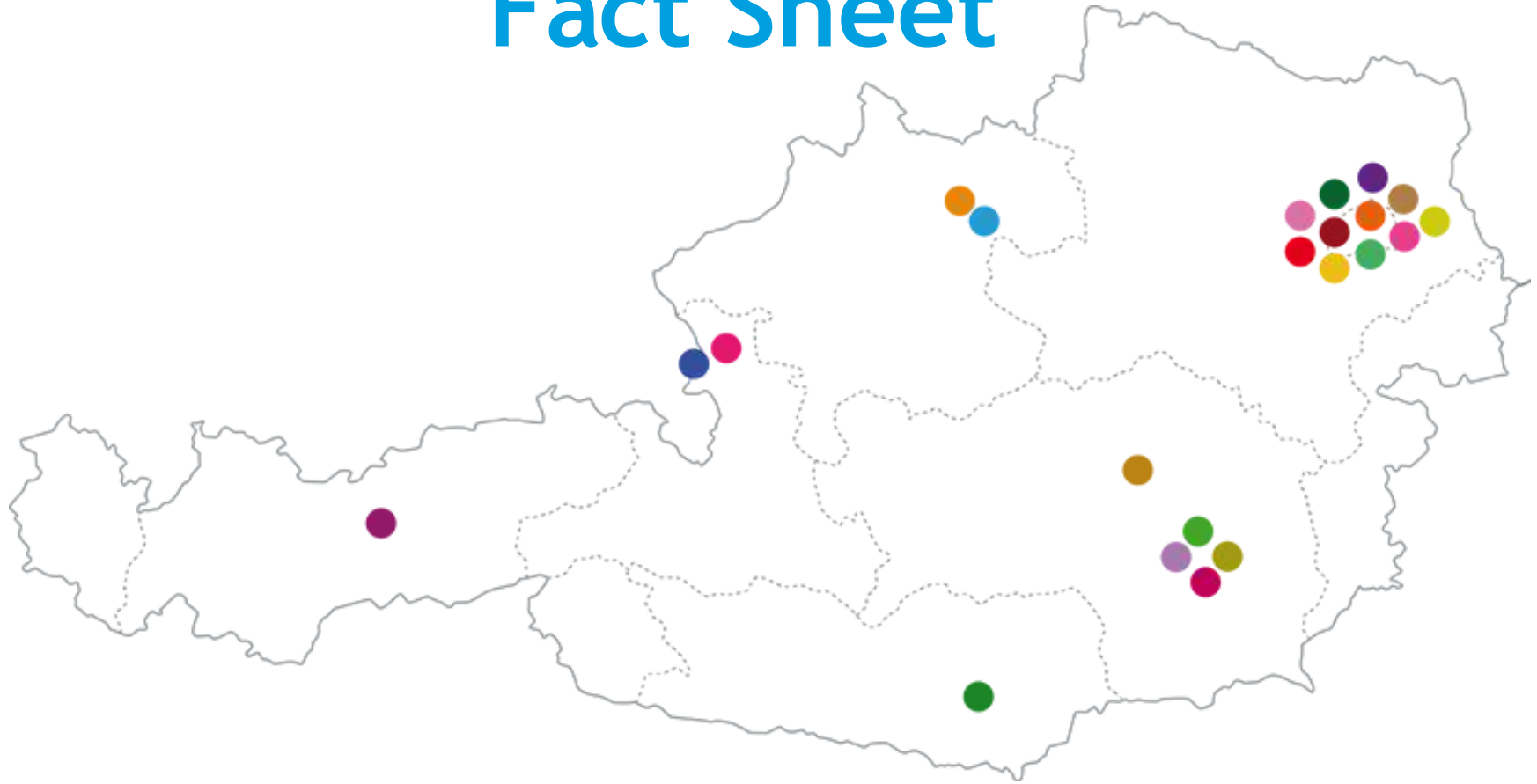
## **What is really needed?**

Towards Open Science and Research Data Management  
Results of a National Survey in Austria

Paolo Budroni - Rome, 30-31 May 2016

e-infrastructures  
austria

# Fact Sheet

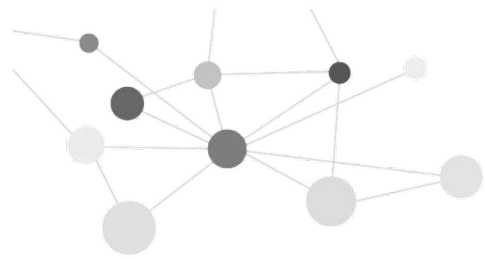


Project period: 1 January 2014 - 31 December 2016

Project coordinator: University of Vienna

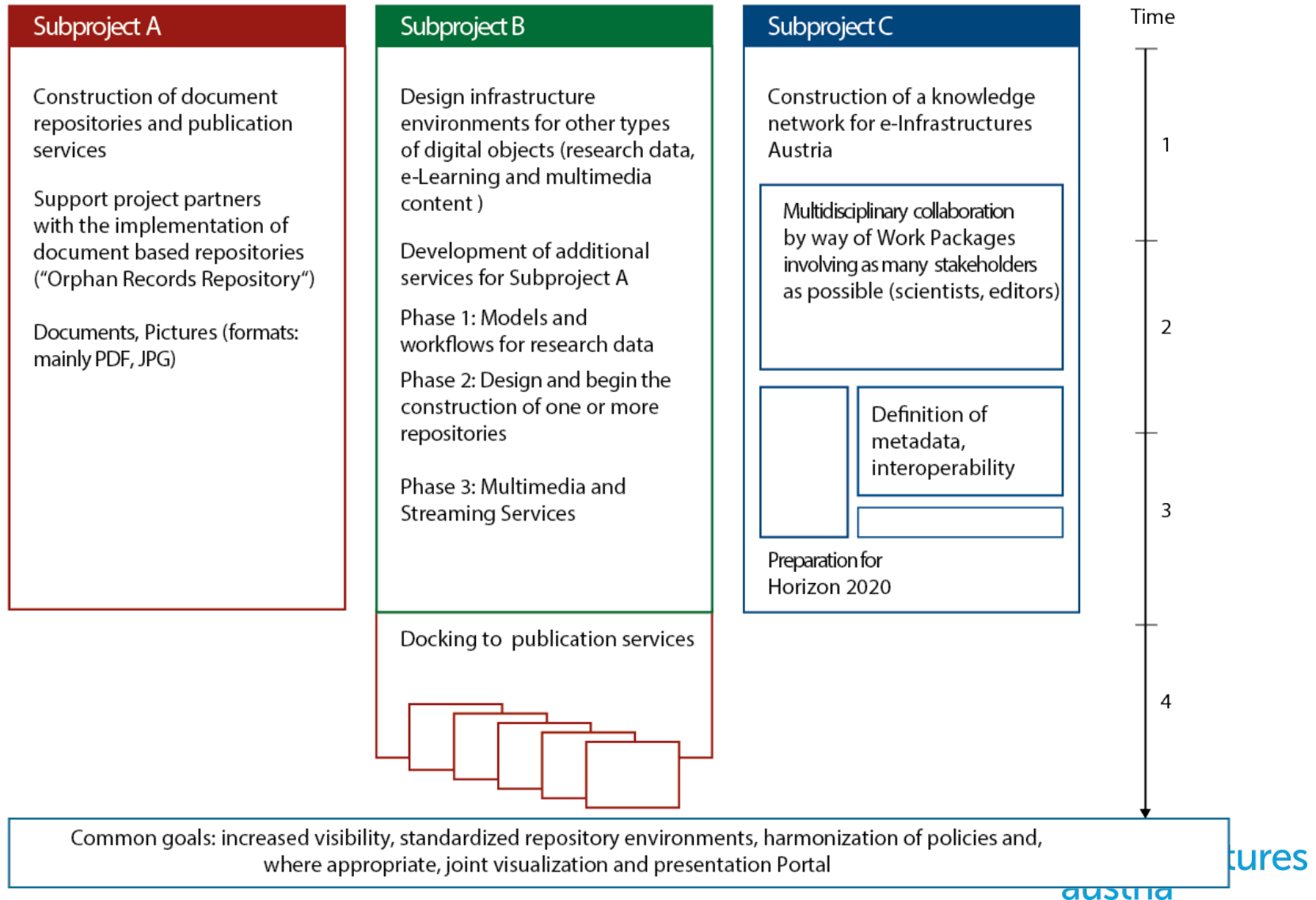
Project partners: 26 Partner Institutions

Supported by: Federal Ministry of Science, Research  
and Economics




- The landscape of digital resources is **heterogenous**
- The local situation (disciplines, infrastructure, policies, attitudes) is governed by „**local traditions**“
- Research data (multimedia, learning objects) is exposed to **structural changes** through technological transformations (e.g. mobile devices) and by the appearance of **new stakeholders** (new generations of researchers) and **new methods** (e.g. revolution through institutional blogs or social media), requiring **new**

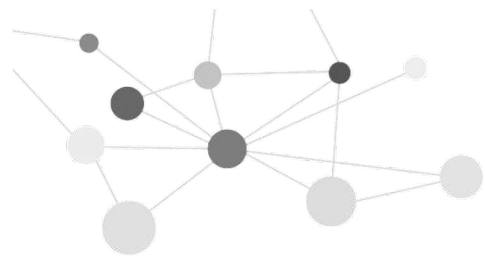
# Scope of the project





## WORK PACKAGes - 12 fields of action

- Cluster A** Monitoring and Assessment of Document Repositories within the Partner Network
- Cluster B** Planning and Implementation of a "National Survey" for Research Data 
- Cluster C** Designing a Knowledge Network: Development of a reference structure for the construction of Repositories
- Cluster D** Infrastructure
- Cluster E** Legal and Ethical Issues
- Cluster F** Open Access
- Cluster G** Visual Data modeling
- Cluster H** Life Cycle Management
- Cluster I** Metadata
- Cluster J** Permanent backup of the data
- Cluster K** Data from scientific and artistic-scientific research processes
- Cluster L** Cross-project issues (technical and non-technical)



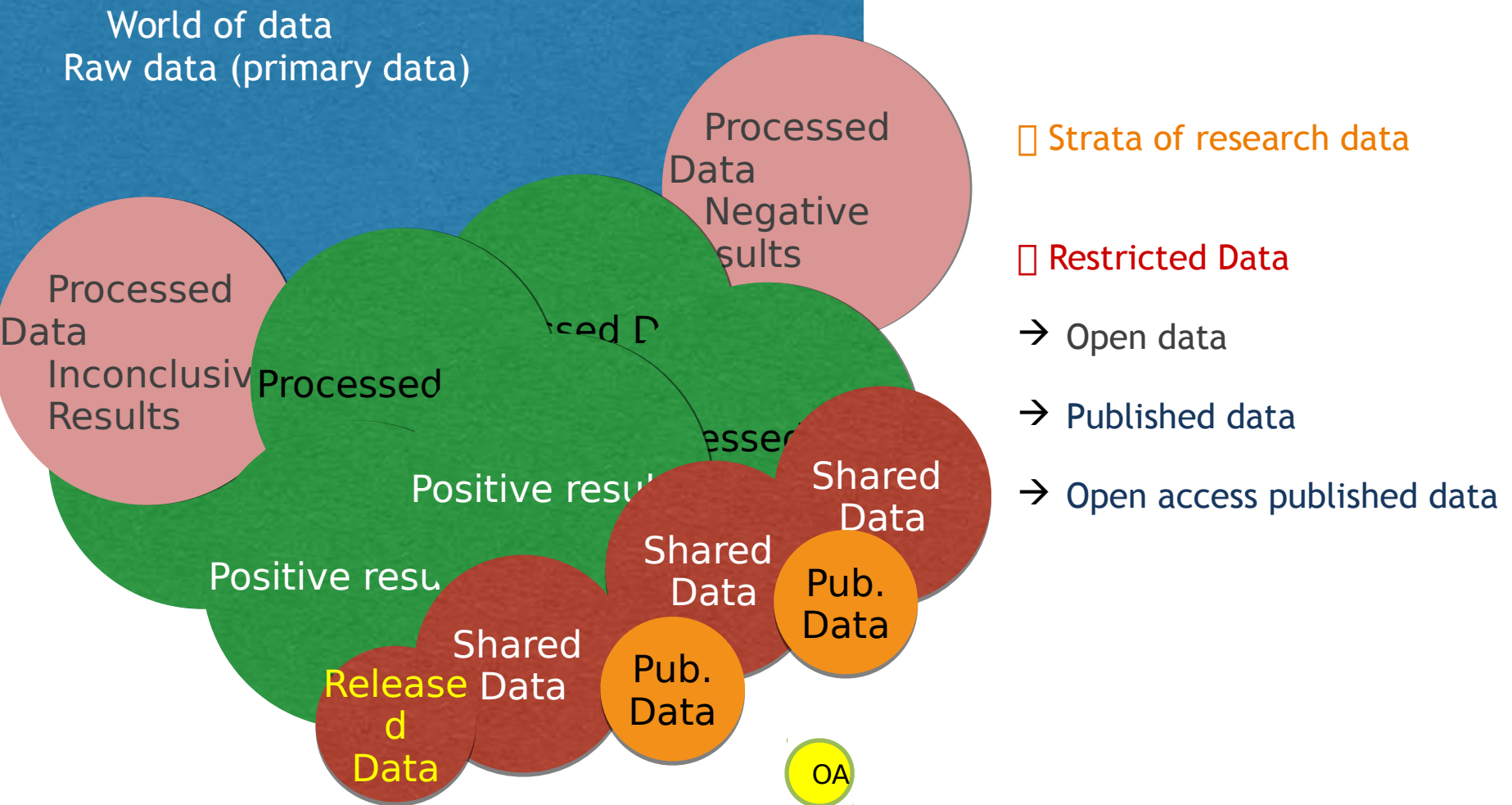
## WHO IS E-INFRASTRUCTURES AUSTRIA FOR?

- All Austrian universities
- Austrian non-university research institutions
- Austrian Research Communities
- Research-funding bodies
- The interested public

# National Research Data Survey 2015

# Different levels of processing of data

## Model for digital archiving



**Ensuring legal and ethical compliance is key issue in this context**



# Towards Open Science - Challenges



# A new ecosystem of services

## High interest in support

**60%** Technical infrastructure

**49%** Specific support

**42%** Legal advice

**41%** Helpdesk

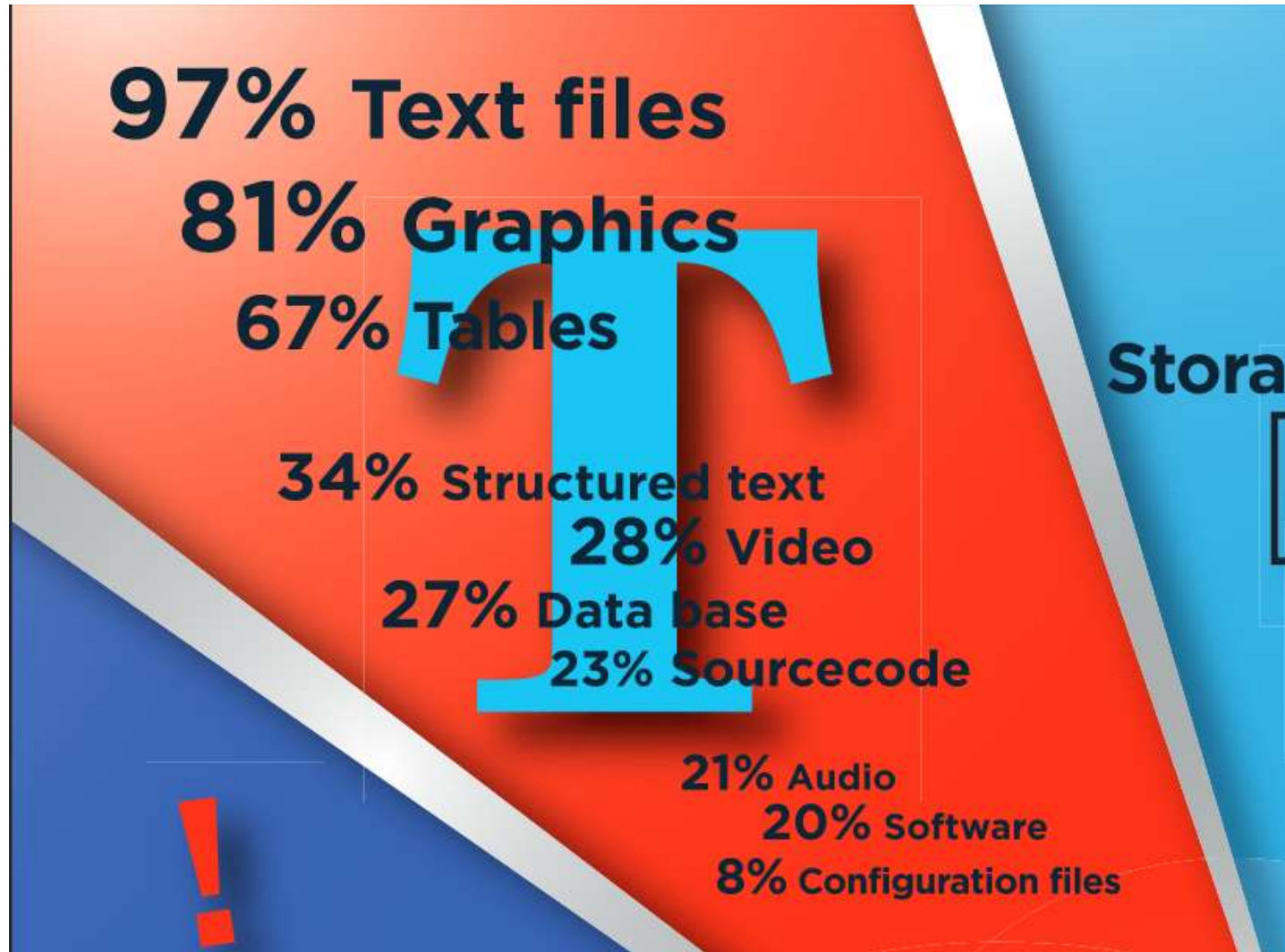
**37%** Training courses



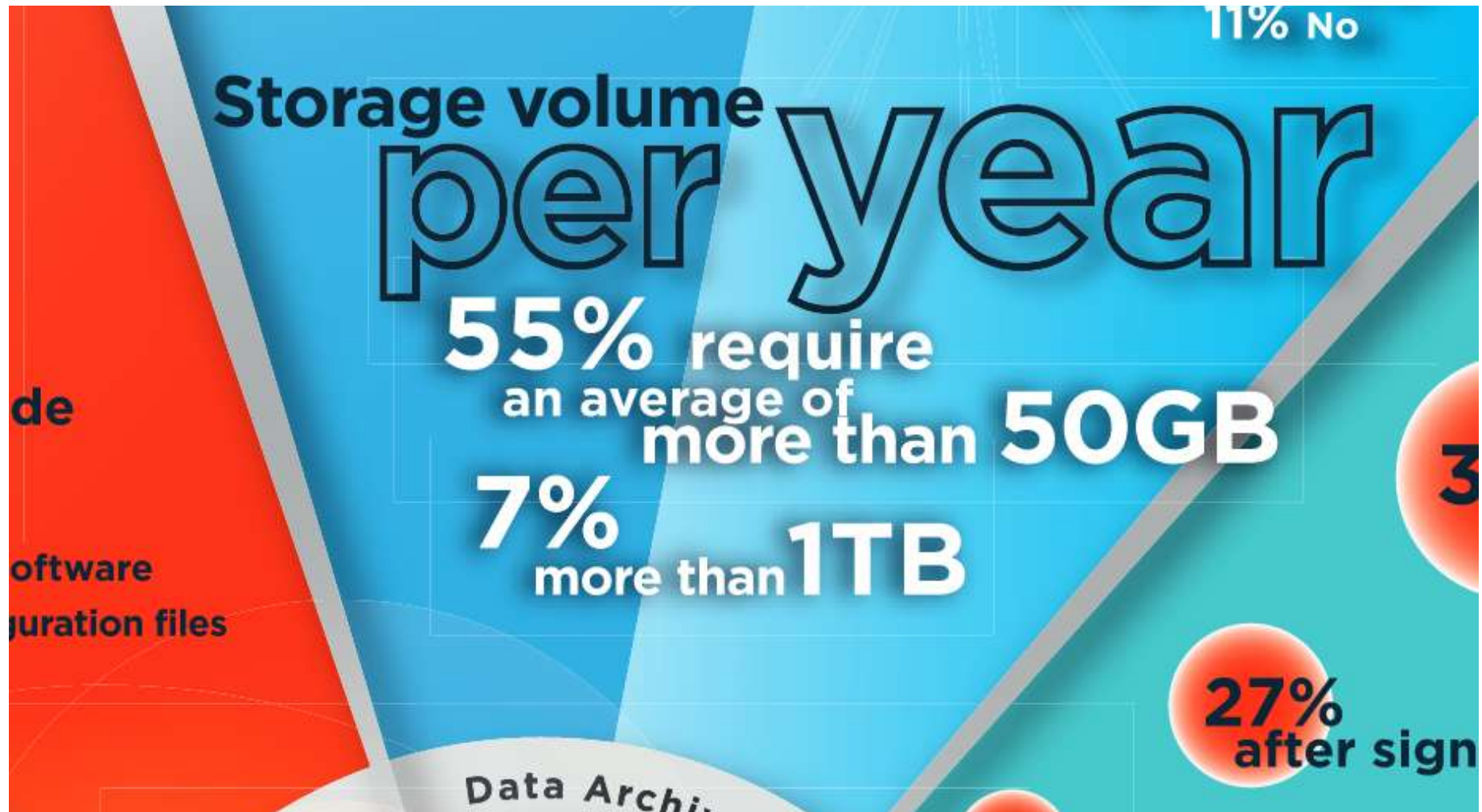
# A common strategic vision



# Data types and formats



# Collaborative data infrastructures





# Re-design of re-use scenarios

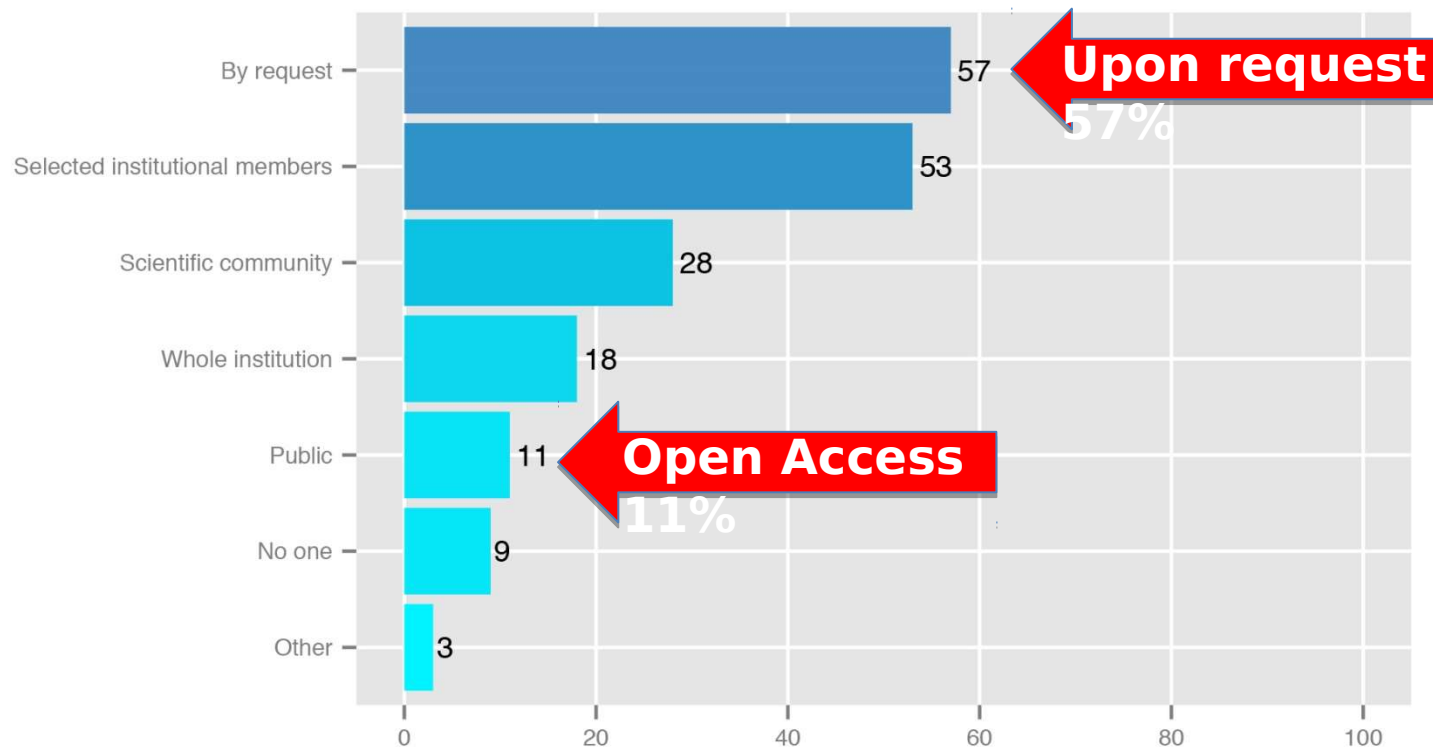


# Towards an open science ecosystem



# Identification of target groups

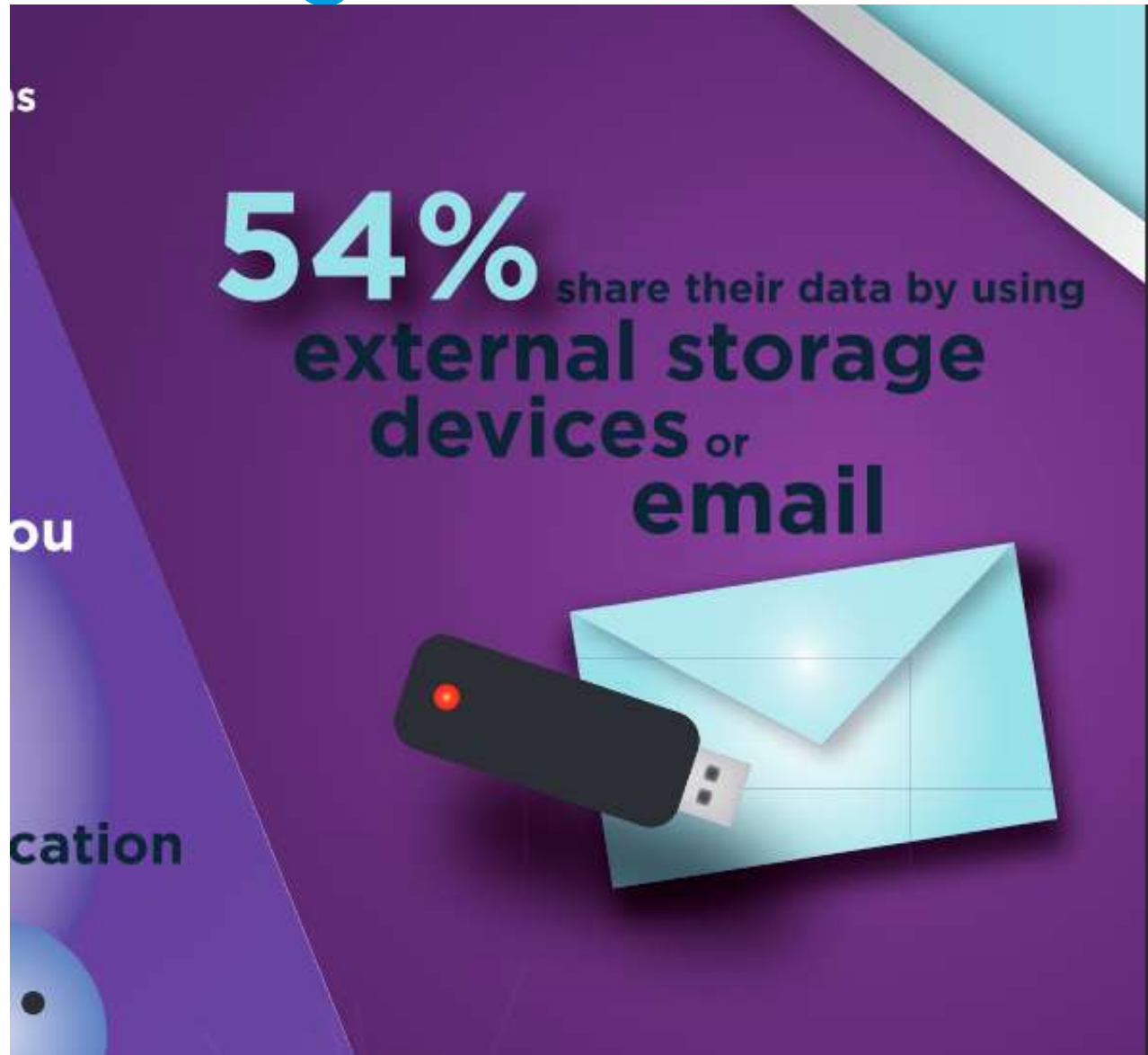
Whom do you grant access to your research data?



Relative response rate (%)



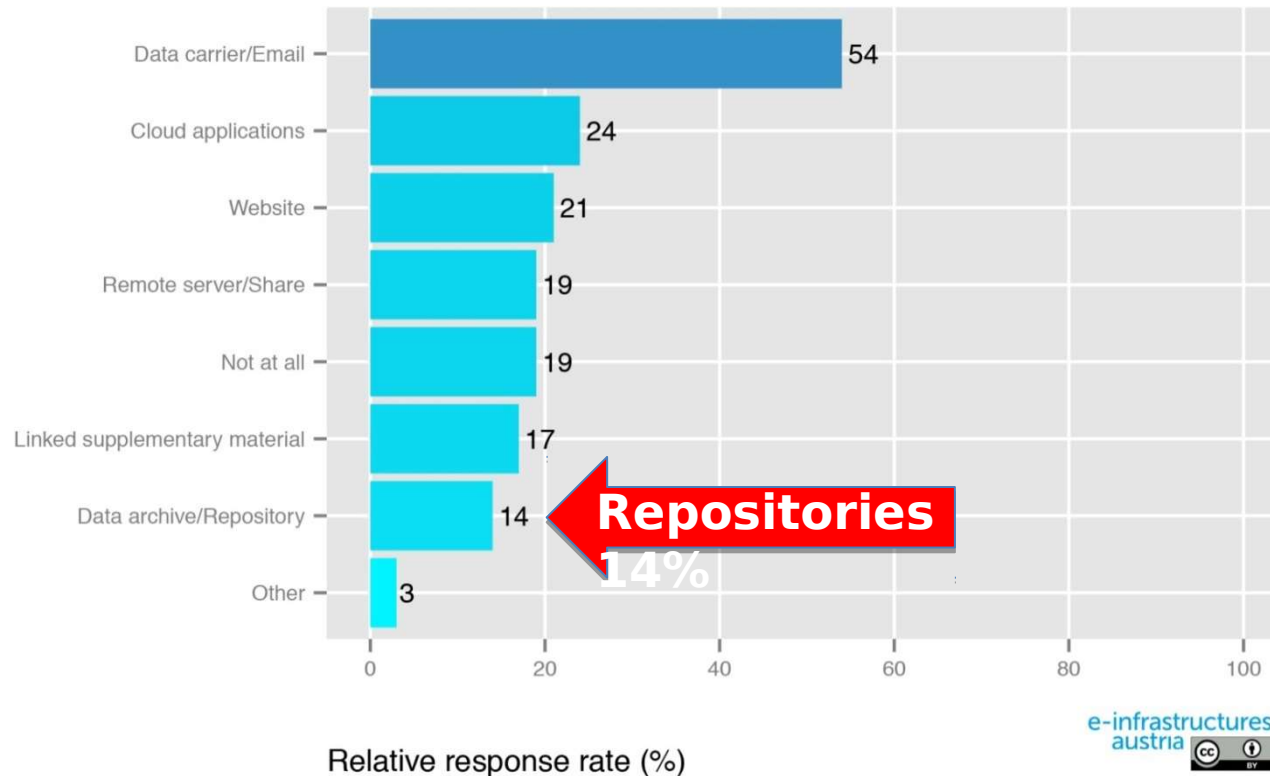
# Re-thinking of scientific workflows



# Coordination between various components

e-infrastructure

How can others access your research data?



# Enhancing sustainability



# A common e-infrastructure umbrella



# Conclusions

- Results conform with international reviews
- Challenges for enabling Open Science Vision
- Embedding in transnational e-infrastructures initiatives
- Need of **know-how transfer** of e-infrastructure **essentials** (project seminar: <http://e-seminar.univie.ac.at/>)
- Release of **RDM policies**
- **Reference points at local level**
- **Shared “vertical” services**
- **Transversal services**

# Downloads

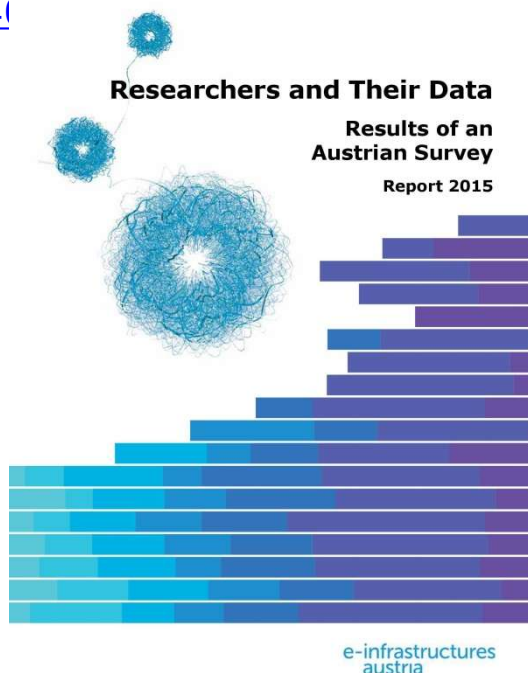
## Download full report:

Zenodo:

[DOI 10.5281/zenodo.34005](https://doi.org/10.5281/zenodo.34005)

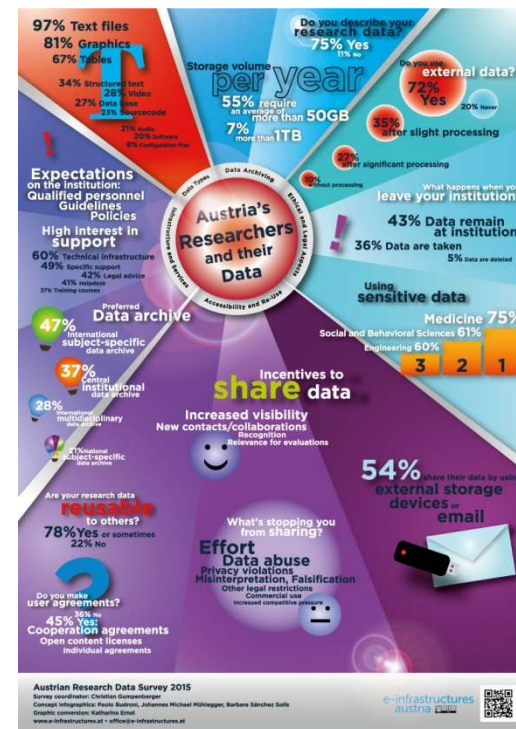
Phaidra (e-book format):

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# Thank you

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