

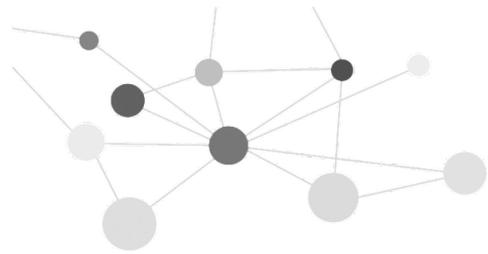
e-infrastructures austria

About Knowledge Convergence

e-Infrastructures Austria
an interdisciplinary case study concerning
research resources and their management

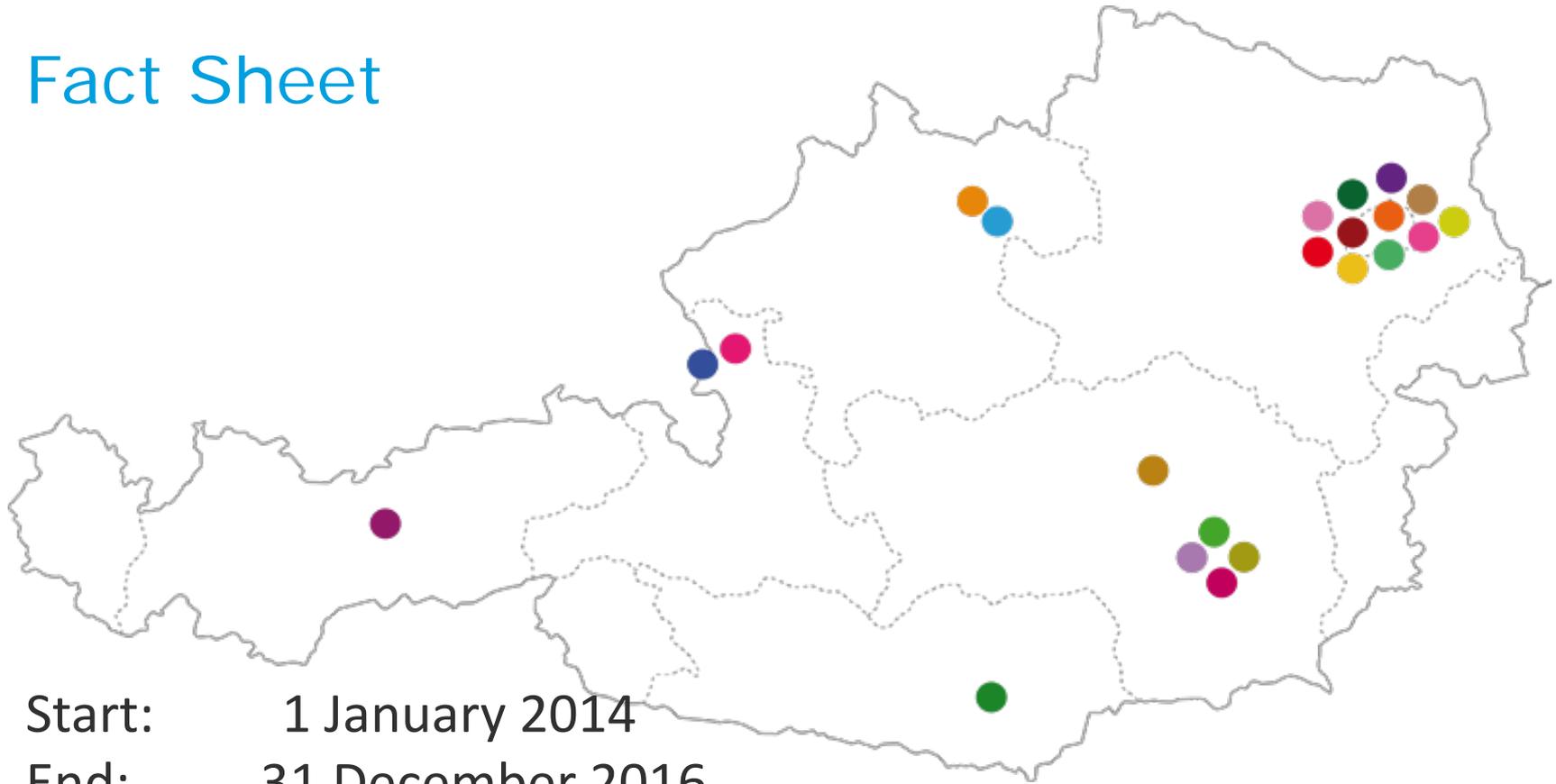
Paolo Budroni

The Munin Conference – Tromsø, 27th November 2014



THE CONTEXT

Fact Sheet



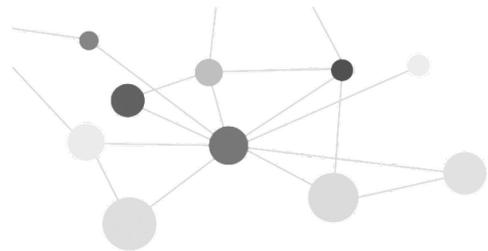
Start: 1 January 2014

End: 31 December 2016

Project coordinator: University of Vienna

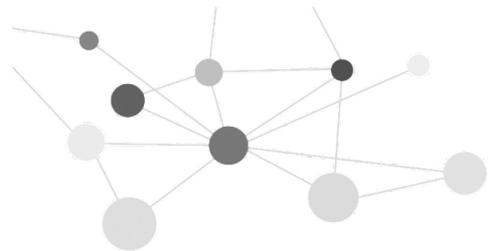
Project partners: 25 Partner Institutions

Client: Federal Ministry of Science, Research and Economics



e-Infrastructures Austria is an initiative designed to foster the coordinated and on-going development of Austria-wide infrastructures for digital resources in research and academic teaching

- build up open infrastructures for research, teaching and **mgmt. of research data**
- enhance free access to knowledge
- foster open science, open access, re-use of research data

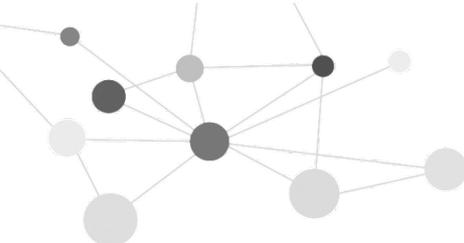


WHO IS E-INFRASTRUCTURES AUSTRIA FOR?

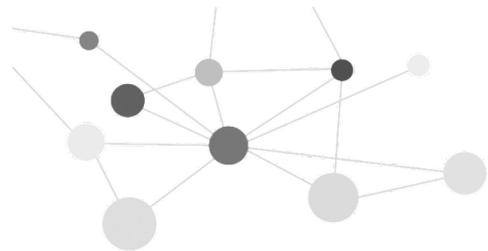
- All Austrian universities
- Austrian non-university research institutions
- Austrian Research Communities
- Research-funding bodies
- The interested public

e- Infrastructures Austria at a glance

[*Abstract:* A key objective of the initiative is to **include research communities, libraries and IT services of all national universities** and other scientific institutions, and to jointly develop knowledge for the construction of local repositories **in order to pool existing expertise and resources**. The intended goal is then to make this **knowledge available to all of the project institutions involved**. Within the three-year project period, all partner institutions are to set up a local document server or be granted access to a shared document server. A parallel objective is the design and eventual establishment of either a central or several decentralized **Austrian repositories for advanced applications** and digital objects, including research data, documents, and multi-media content.]



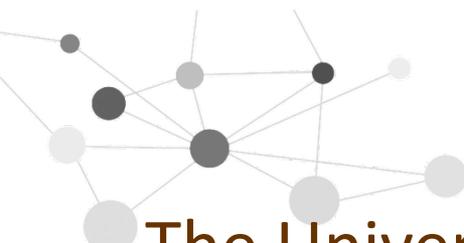
WORLDS OF DATA



The Australian Griffith University presents the following definition (*):

*“Research data are **factual records**, which may take the form of numbers, symbols, text, images or sounds, which used as primary sources for research, which are commonly accepted in the research community as necessary **to validate research findings.**”*

(*) Ingrid Dillo – Data Archiving and Networked Services (DANS),
Certification as a means of providing trust, Florence, Fondazione Rinascimento Digitale, 2012



The University of Minnesota about research data (*):

Research data are data in any format or medium that relate to or support research, scholarship, or artistic activity. They can be classified as:

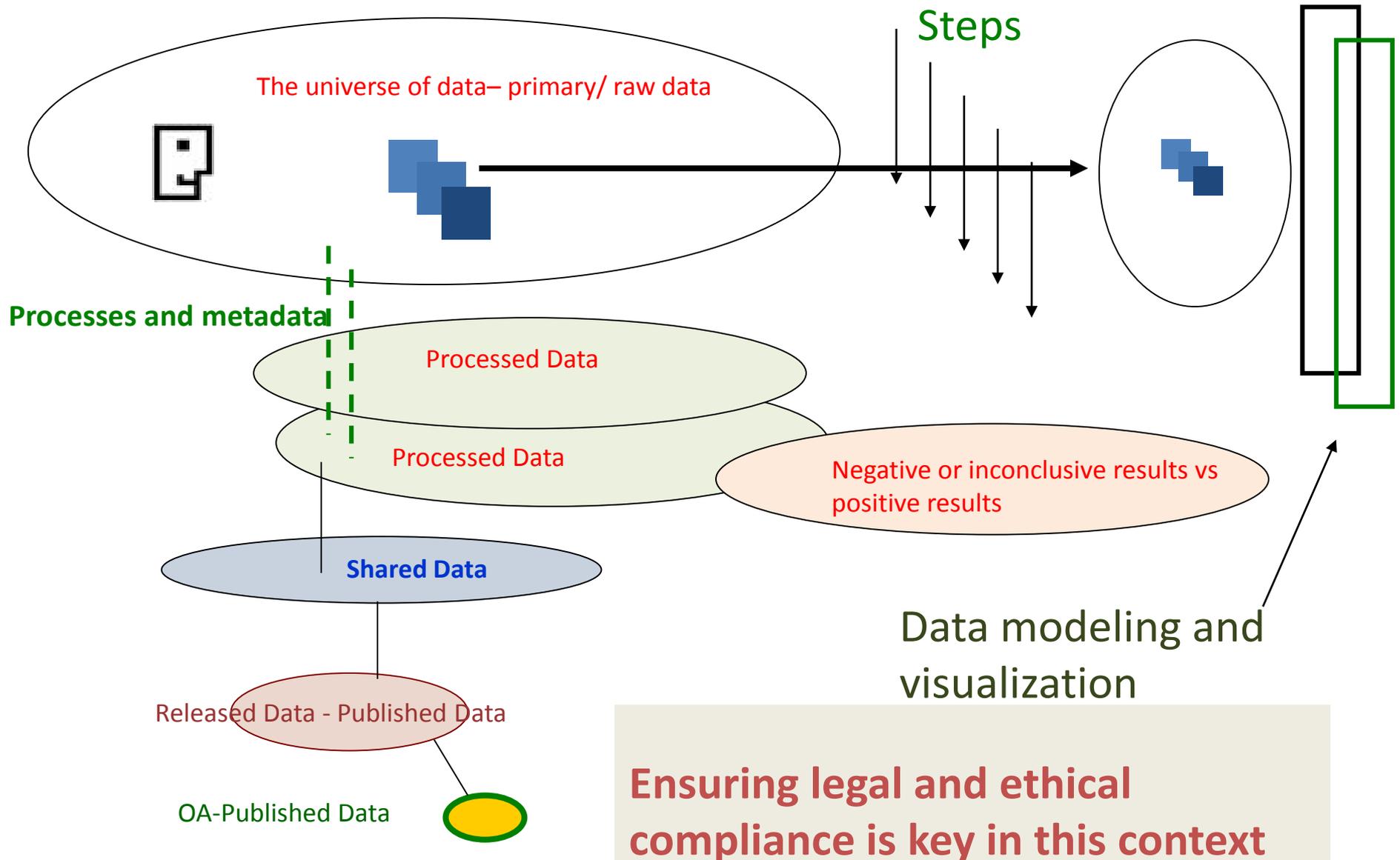
- **Raw or primary data:** *information recorded as notes, images, video footage, paper surveys, computer files, etc.*
- **Processed data:** *analyses, descriptions, and conclusions prepared as reports or papers*
- **Published data:** *information distributed to people beyond those involved in data acquisition and administration*

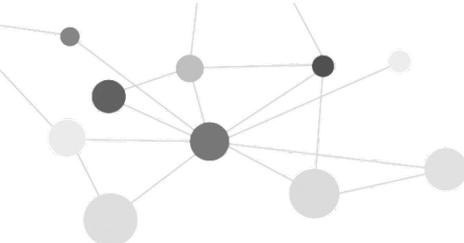
This definition also incorporates

the different levels of processing of data

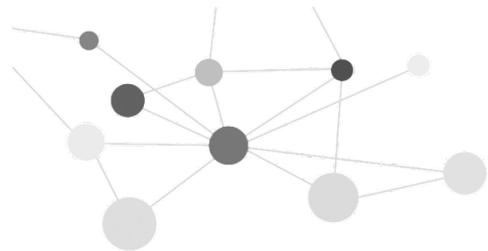
(*) Ingrid Dillo – Data Archiving and Networked Services (DANS), Certification as a means of providing trust, Florence ,
Fondazione Rinascimento Digitale, 2012

Levels of processing data



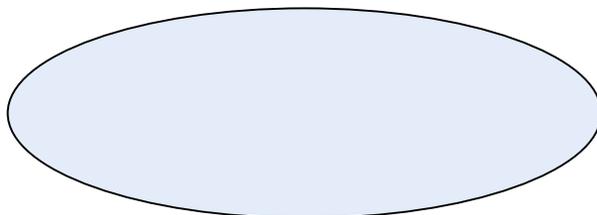


THE MAIN STAKEHOLDERS

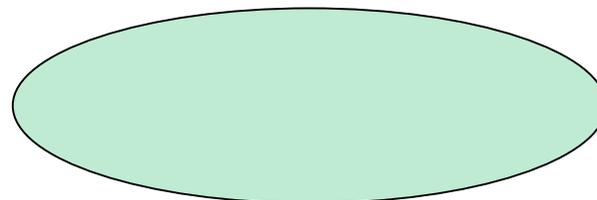


FOUR MAIN STAKEHOLDERS INVOLVED IN THE MGMT OF RESEARCH DATA

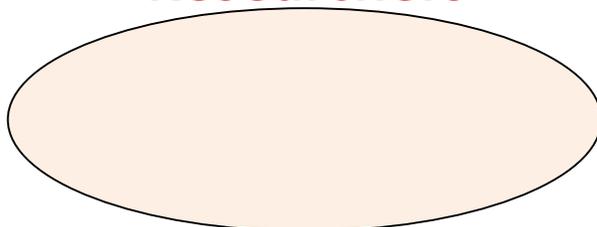
Research Libraries



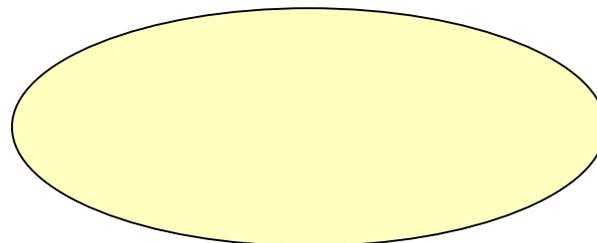
IT-Services

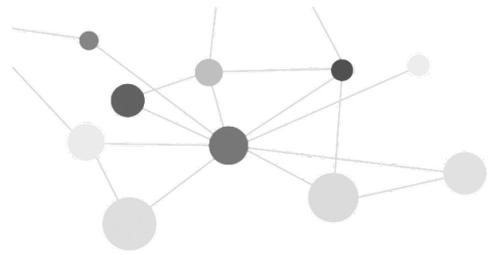


Researchers

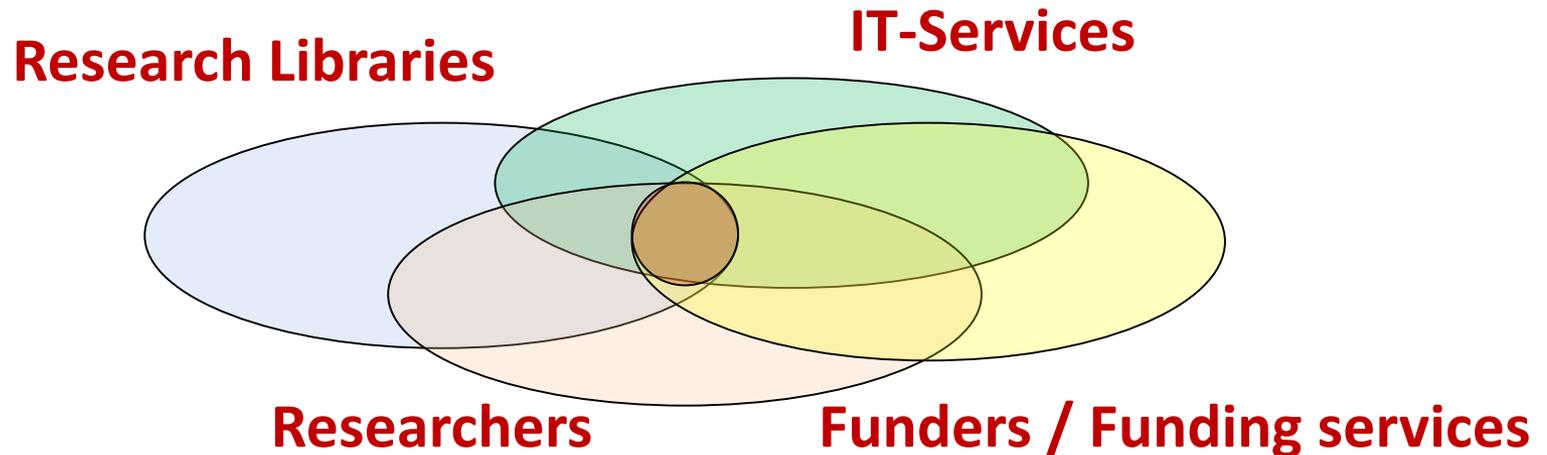


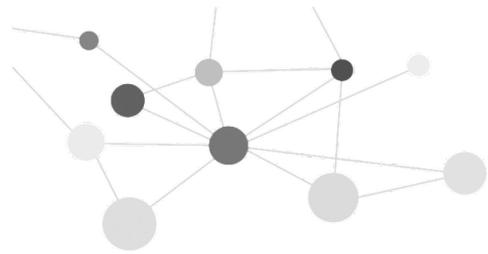
Funders / Funding services



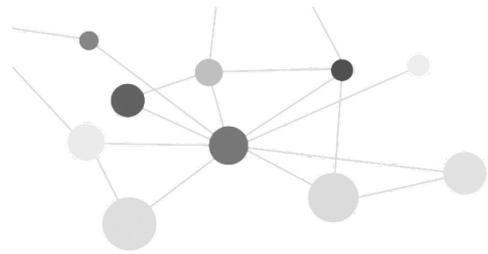


FOUR MAIN STAKEHOLDERS ARE INVOLVED IN THE MGMT OF RESEARCH DATA



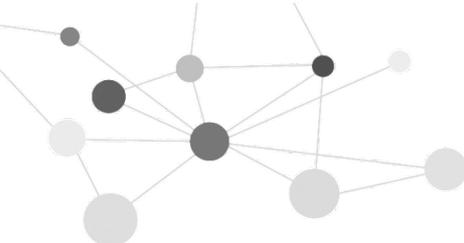


CHALLENGES



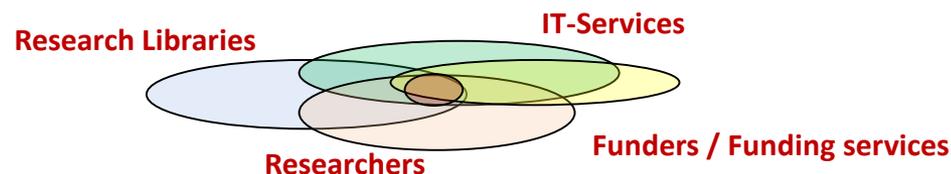
- The landscape of digital resources is **heterogenous**
- The local situation (disciplines, infrastructure, policies, attitudes) is governed by „**local traditions**“
- Research data (multimedia, learning objects) is exposed to **structural changes** through technological transformations (e.g. mobile 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 roles and new forms of management**

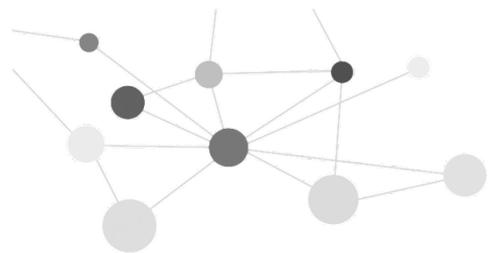
ARISING CHALLENGES REQUIRE....



... FURTHER APPROACHES AND NEW CONDITIONS THEREFORE

- Policies should be **harmonized** (institutional and national)
- The **basic structure for communications needs to be re-evaluated**, identifying new optimized forms of sharing and spreading knowledge within the four stakeholders





e-Infrastructures Austria: Guiding Principles

Openness

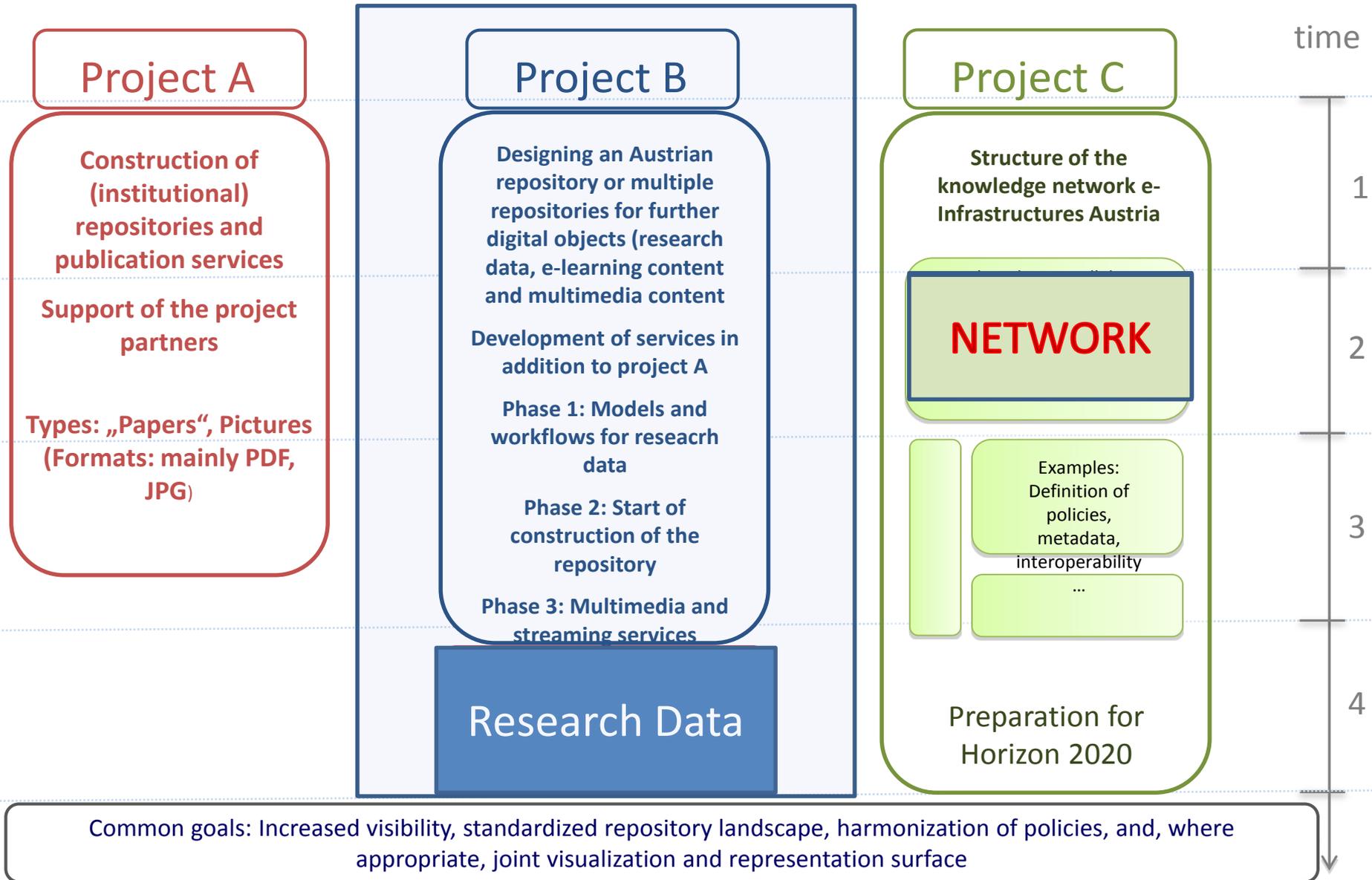
Free access to the results of the joint work in the project

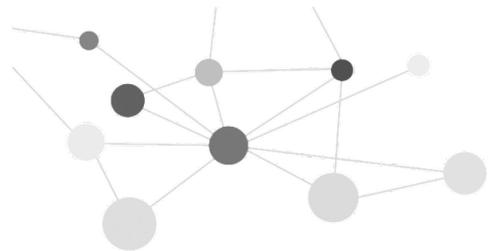
Regulated ownership of rights within and outside the consortium (starting with the project and beyond)

Regulated relationship of all partners, defined organizational units and work processes

Project-oriented entity **Think Tank** for external stimulus [*“thinking out of the box”*], connection between research, IT-services and libraries

The three sub-projects





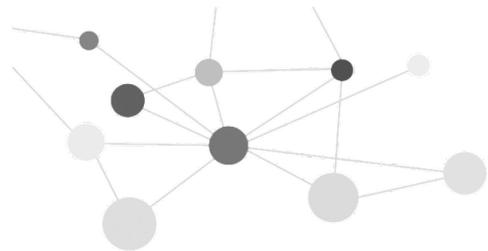
New conditions and their instruments: What is needed?

optimized forms of interaction, created and accepted by all partners

a multilingual **information platform**

general accepted ways of **regulated communication**

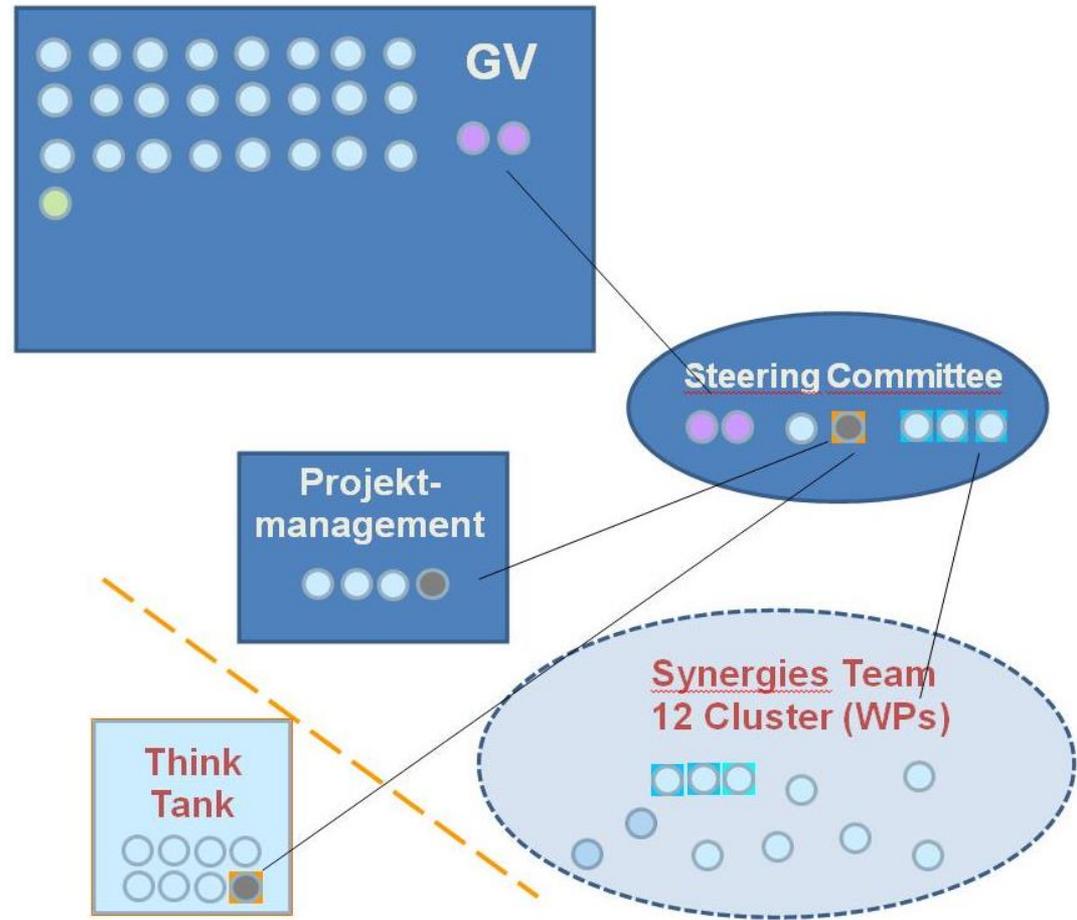
guaranteed fairness and openness concerning particularly the deposited material

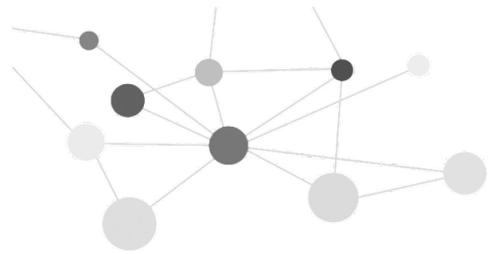


GOVERNANCE

1. **Optimized forms of interaction** within the partners, with common understandings, **created** and **accepted** by all partners of e-Infrastructures Austria
2. **Bodies empowered to act** recognized by all partners (Project Management, General Assembly, Steering Committee, Synergies Team, Working Teams, **Think Tank/ “thinking out of the box”**)

GOVERNANCE





INFORMATION PLATFORM

1. A multilingual information platform combining functionalities for Project Management Administration:
→ WIKI → Ticketing System → Calendar → GANTT
2. **General Terms of Use** adopted by all partners guaranteeing **fairness** and **regulating** **→ knowledge management** within the information platform **→ the depositing** of material in the WIKI **→ the sharing** of information

Wiki Calendar Gantt Ticketing-System

Speakers « Munin Confere... Participant's guide « Muni... Long term forecast for Tr... E-Infrastructures » Startseite Nutzungsbedingungen - e...

https://redmine.e-infrastructures.at/redmine/projects/eia/wiki/Nutzungsbedingungen

App Weitere Information... dizionari Outlook Web App Corriere della Sera hotels Apicio VS Apicio | ar... La Repubblica.it - N... Pintadera di Villanov...

Home My page Projects Help Logged in as budronp5 My account Redd...

einfrastructures Austria Search: elInfrastru

Overview **Activity** Issues **New issue** **Gantt** **Calendar** **News** Documents Wiki Forums Files

Wiki » Projektdokumente » Edit Watch Lock Rename Delete History

Nutzungsbedingungen Wiki e-infrastructures Austria

Nutzungsbedingungen Wiki e-infrastructures Austria rechtsverbindliche Langfassung

[zur Kurzfassung](#)

A. Dienstbeschreibung / Grund und Geltung von Nutzungsbedingungen

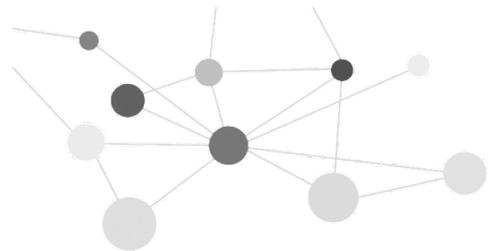
1. Betreiber des Dienstes ist die Universität Wien (Diensteanbieter). Bei dem Dienst handelt es sich um das Projekteigene Wiki der E-Infrastructures Austria. Das Wiki ist eines der Werkzeuge zum Aufbau eines gesamt-österreichischen Netzwerks zur Einrichtung und Weiterentwicklung gemeinsamer e-Infrastrukturen. Das Projekteigene Wiki ermöglicht die koordinierte sowie fokussierte Speicherung, Verwaltung, die kollaborative Bearbeitung sowie den Austausch von Projektrelevanten Inhalten jeglicher Art. Dabei fungiert das Wiki als Bereitstellungsdienst (Host-Provider). In dieser Funktion unterhält das Wiki die Infrastruktur und stellt den organisatorischen Rahmen, der es den Projektpartnern ermöglicht, das eigene Wissen sowie das Wissen der Projektpartner zu mehren, indem sie selbst neue Inhalte beitragen und bestehende bearbeiten.

Bitte beachten S Nutzungsbeding Um einen rechts zu gewährleiste sicherzustellen, des Wikis (Betre Wien) sowie der befindlichen Inh urheberrechtsk ist es notwendig Regelungen im Datenschutz, be Verantwortlich Inhalte sowie ül Lizenzierung ve gemachter Inha Wiki teilnehmer gelten.

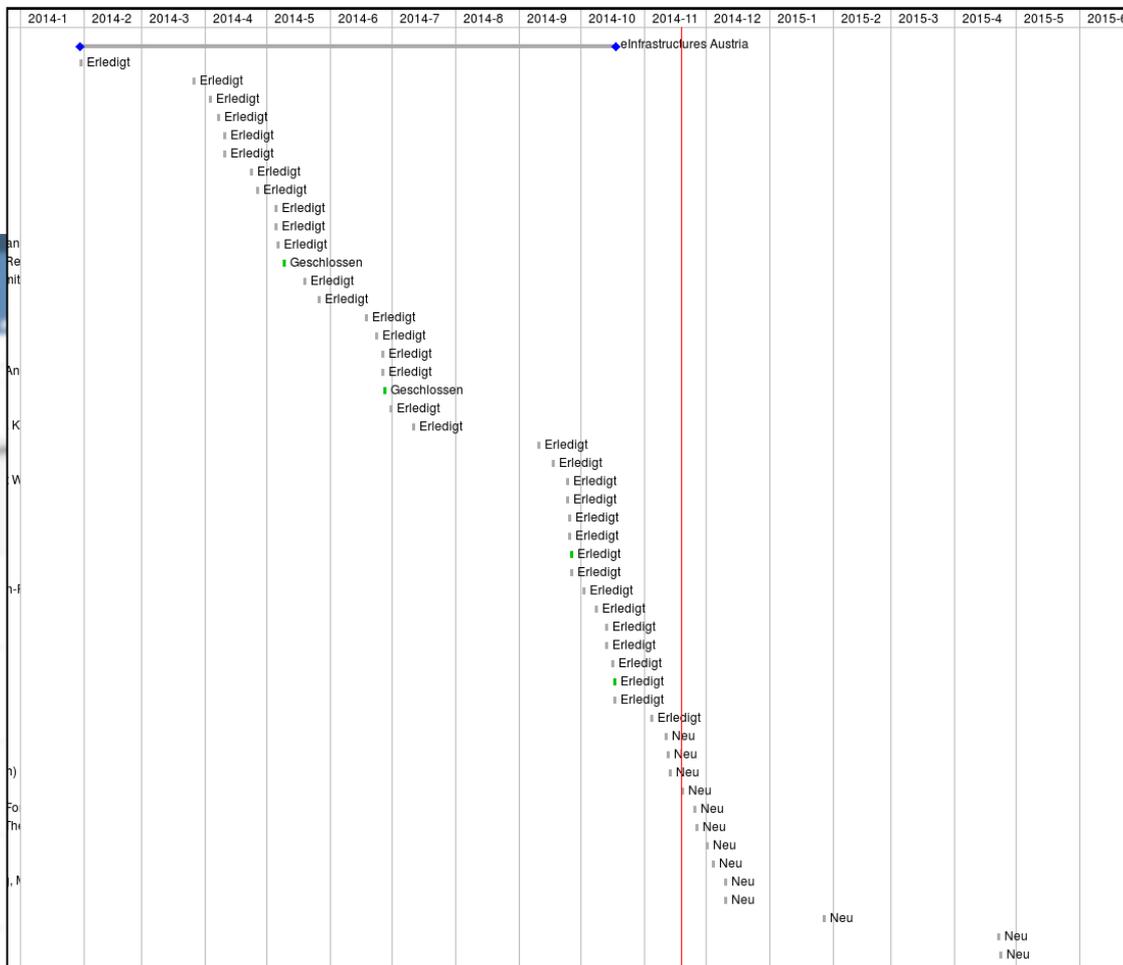
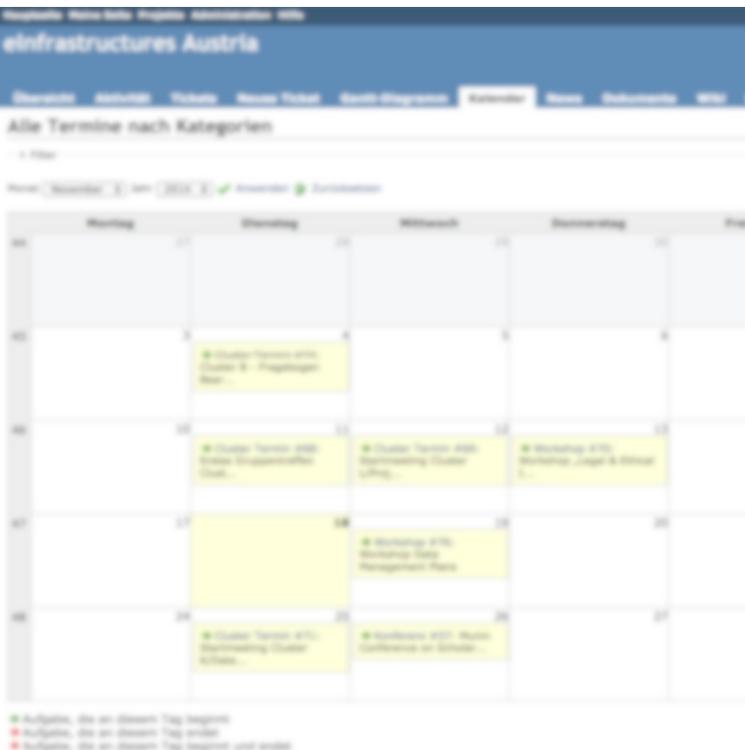
Wiki

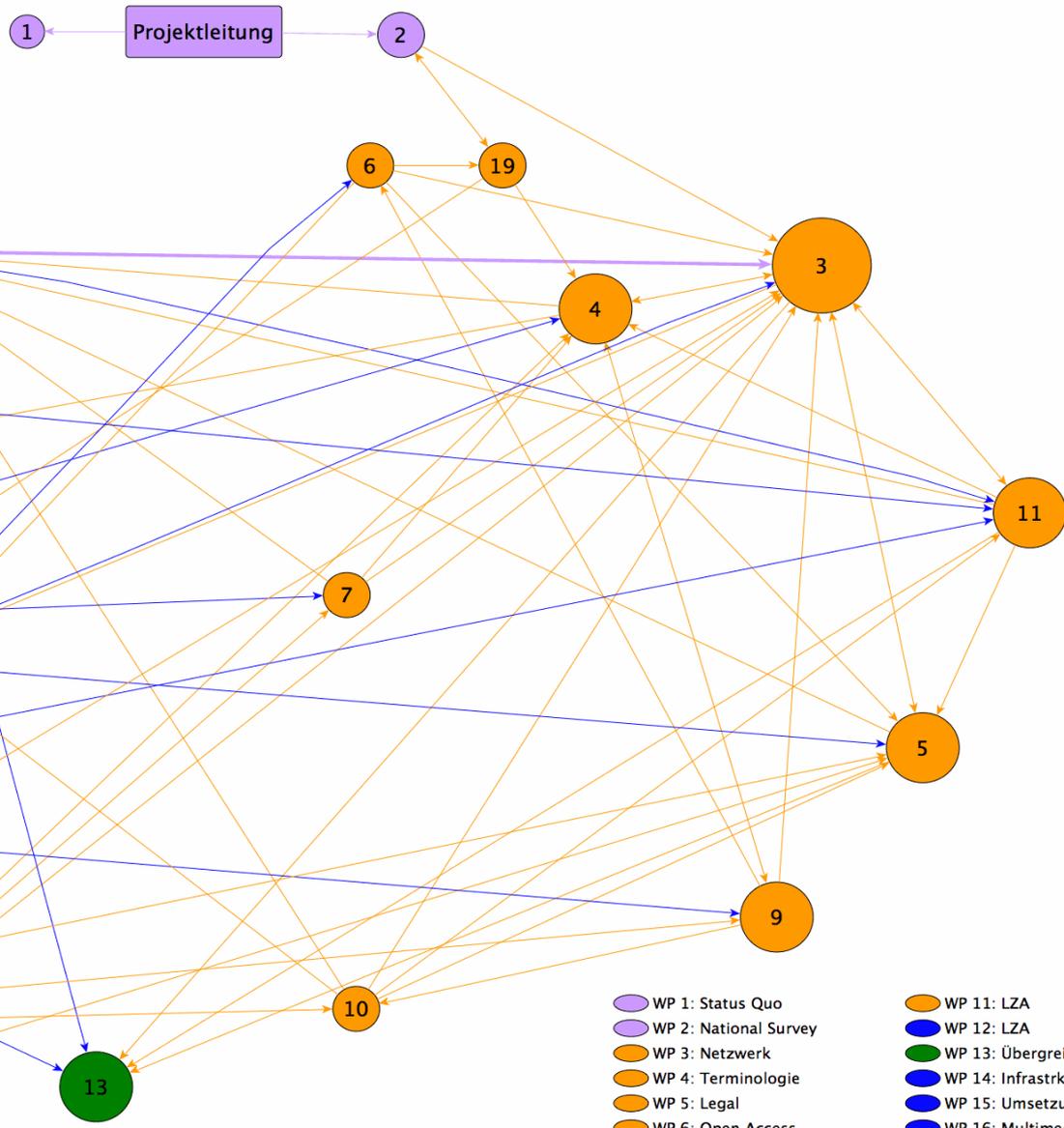
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[Index by title](#)
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GANTT CHART AND CALENDAR OF PROJECT ACTIVITIES



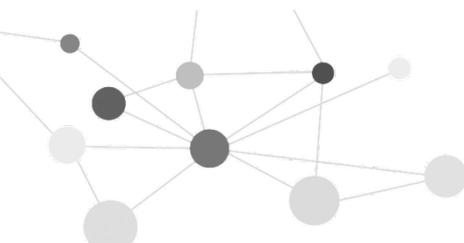


- Projektleitung
- Nicht-Technisch
- Technisch
- Technisch/Nicht-Technisch

- | | |
|--|--|
| ● WP 1: Status Quo | ● WP 11: LZA |
| ● WP 2: National Survey | ● WP 12: LZA |
| ● WP 3: Netzwerk | ● WP 13: Übergreifende Fragen |
| ● WP 4: Terminologie | ● WP 14: Infrastruktur |
| ● WP 5: Legal | ● WP 15: Umsetzung |
| ● WP 6: Open Access | ● WP 16: Multimedia |
| ● WP 7: Marketing | ● WP 17: Metadaten |
| ● WP 8: Training | ● WP 18: Support & Operation |
| ● WP 9: Metadaten | ● WP 19: Daten der Forschung |
| ● WP 10: Zertifizierung | ● WP 20: Visuelle Datenmodelle |

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) ←



Designing a knowledge network

Development of a reference model for the construction of local repositories with consideration of all technical and non-technical aspects

Jointly develop knowledge, pool existing expertise and resources, and make available to all institutions

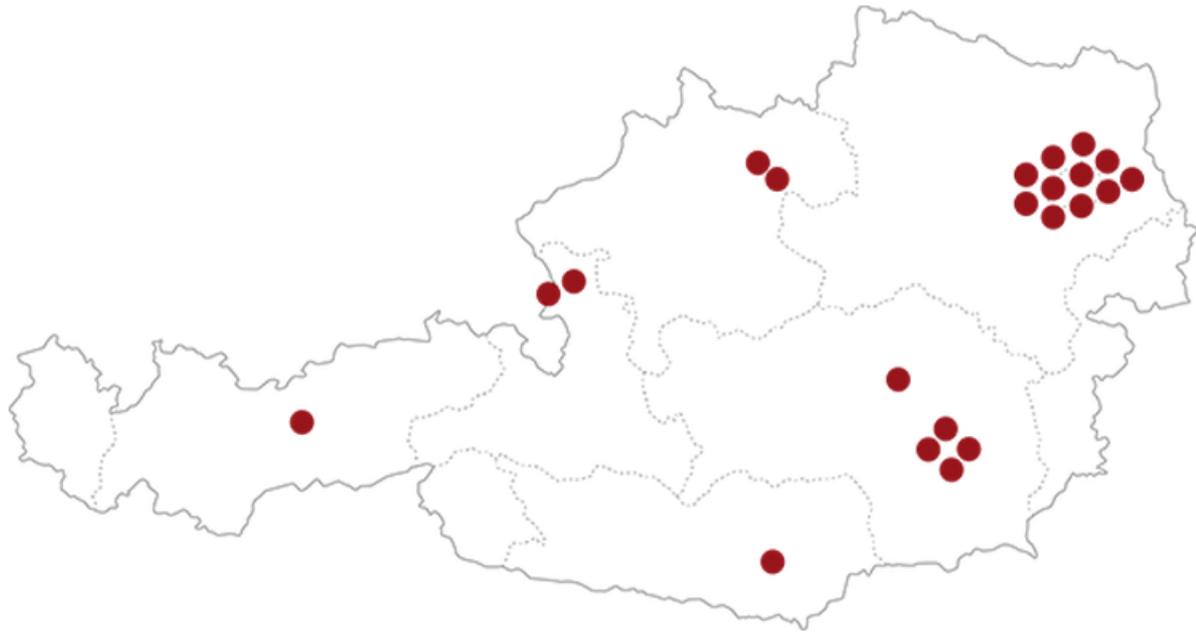
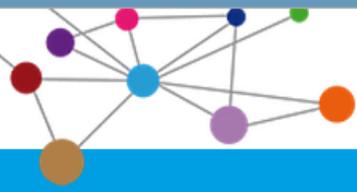
Advice and support in developing local repositories (organizational, technical, legal, content-related)

Transdisciplinary collaboration in the context of Work Package clusters with as many stakeholders as possible (libraries, research communities, publishers, IT services, and so on)

Collaboration at technical and non-technical levels

Partner events and workshops

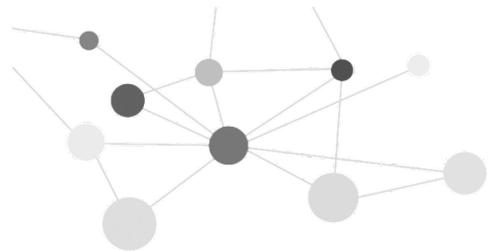
Monitoring of processes in *e-Infrastructures Austria*



Welcome to e-Infrastructures Austria!

e-Infrastructures Austria is a project for the coordinated establishment and development of Repository infrastructures for digital resources in research and science throughout Austria.

PLEASE VISIT OUR WEBSITE



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Technical Advise: José-Luis Preza
www.e-infrastructures.at

THANKS !