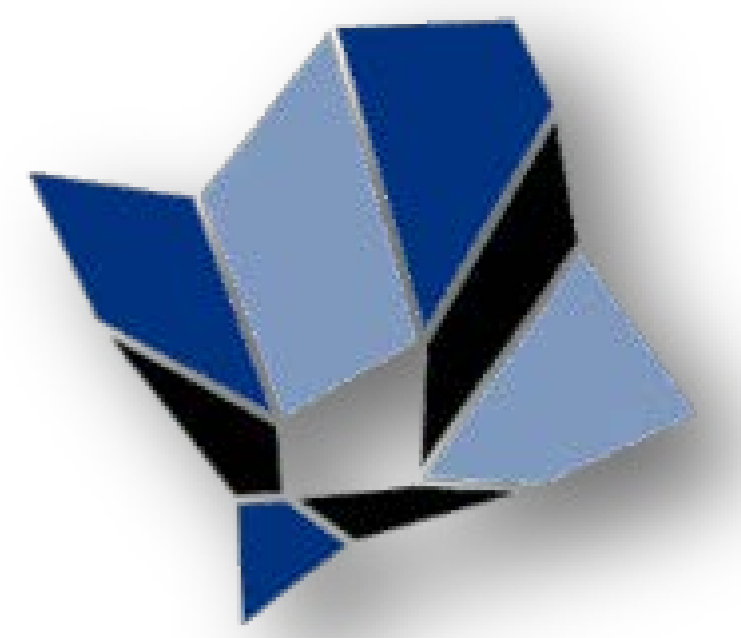


# Radieschen: A framework for a multi-disciplinary Research Data Infrastructure



The 'Radieschen' - Project  
<http://www.forschungsdaten.org>

## Objective

- Develop a roadmap and provide recommendations towards a multi-disciplinary Research Data Infrastructure in Germany

Workshop Research Data Management News Documents  
 Other Activities and Topics Cost models preserving  
 research outcomes About Glossary Interoperability of  
 Digital Repositories A Surfboard for Riding the Wave  
 Events Research Data Working Group Report on Legal  
 Status of Research Data Licensing Research Data  
 Main Drivers on Successful Re-use of Research  
 Data Workshop Activities Photos Virtual Research  
 Environments Open Access Home

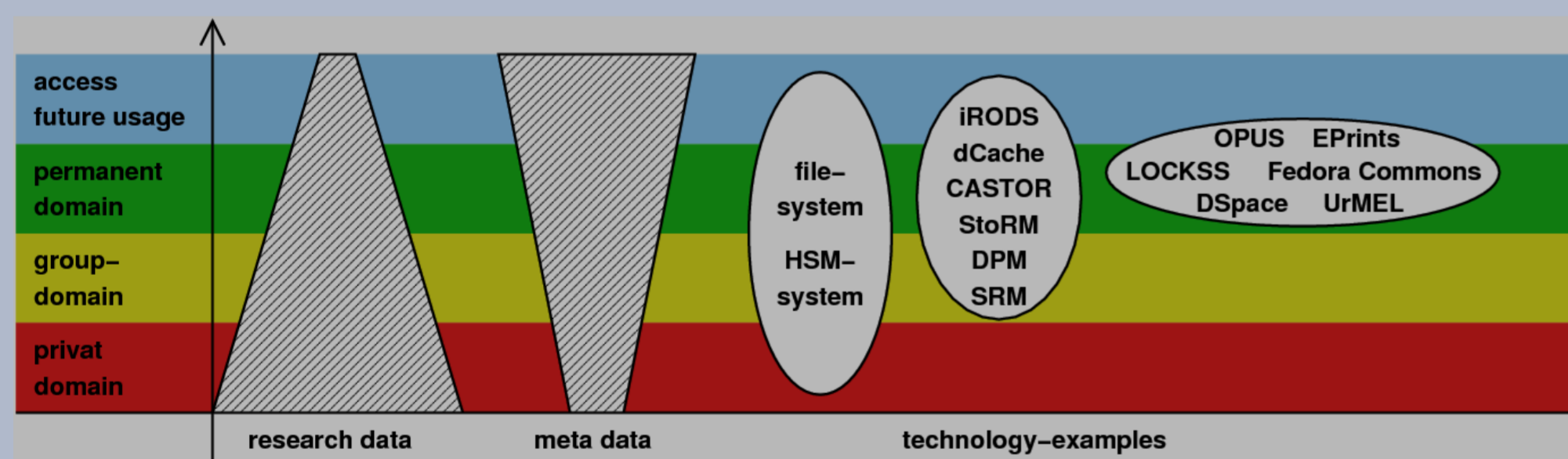
Tag Cloud showing major keywords related to research data infrastructures

## Approach

- Provide a gap analysis based on a survey of existing and new projects
- Analyse processes and workflows in the life cycle of research data
- Examine the cross-linking of multi-disciplinary components
- Analyse research data infrastructures in view of
  - technical components (Technology)
  - workflows and organisational issues (Organisation)
  - cost structures for implementation and operation (Costs)

## Technology

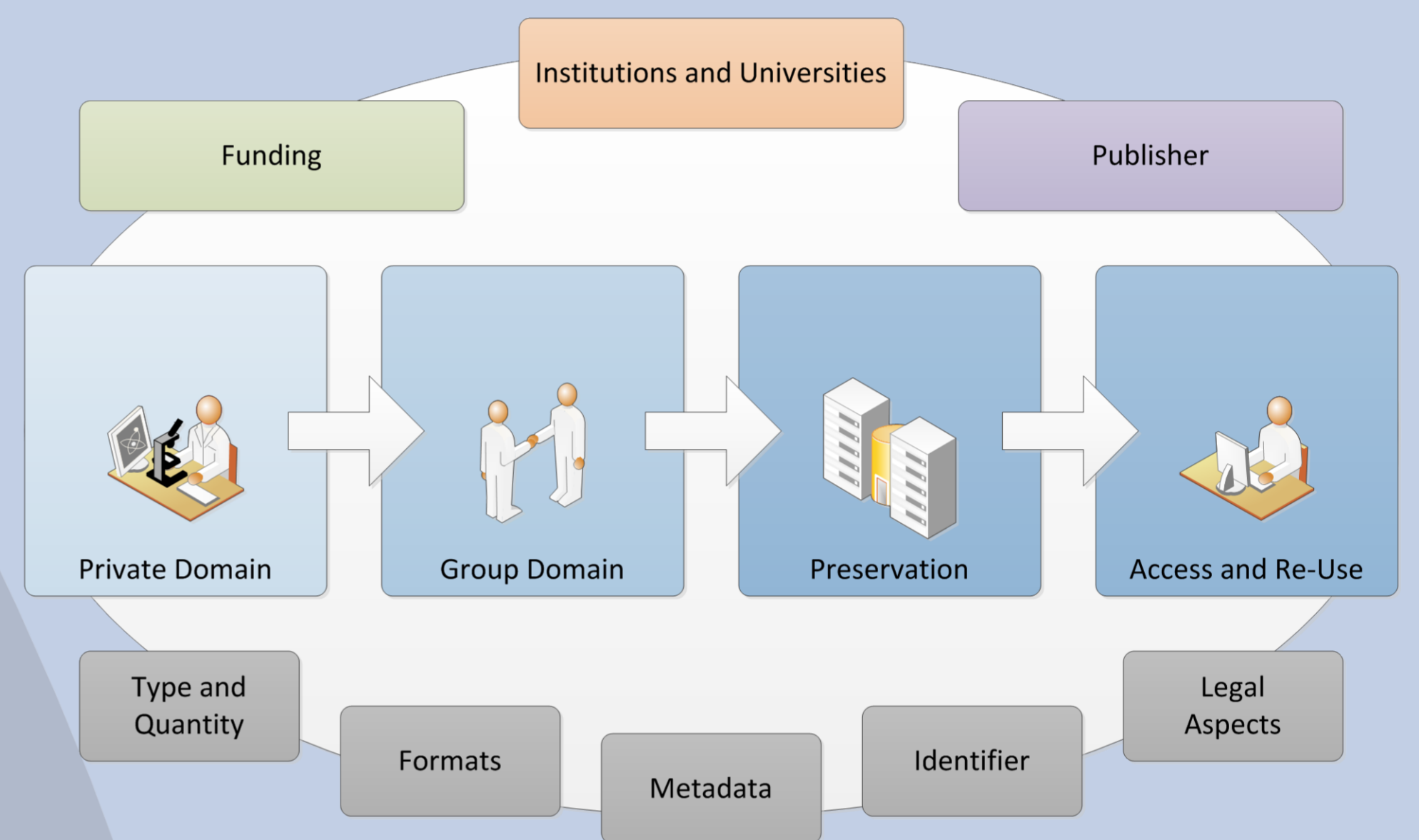
- Provide an overview of existing technical solutions
- Analyse technical requirements
- Specify inter-service functionalities



Sketch showing the relationship between the amount of research data and metadata combined with examples of software solutions for the different domains

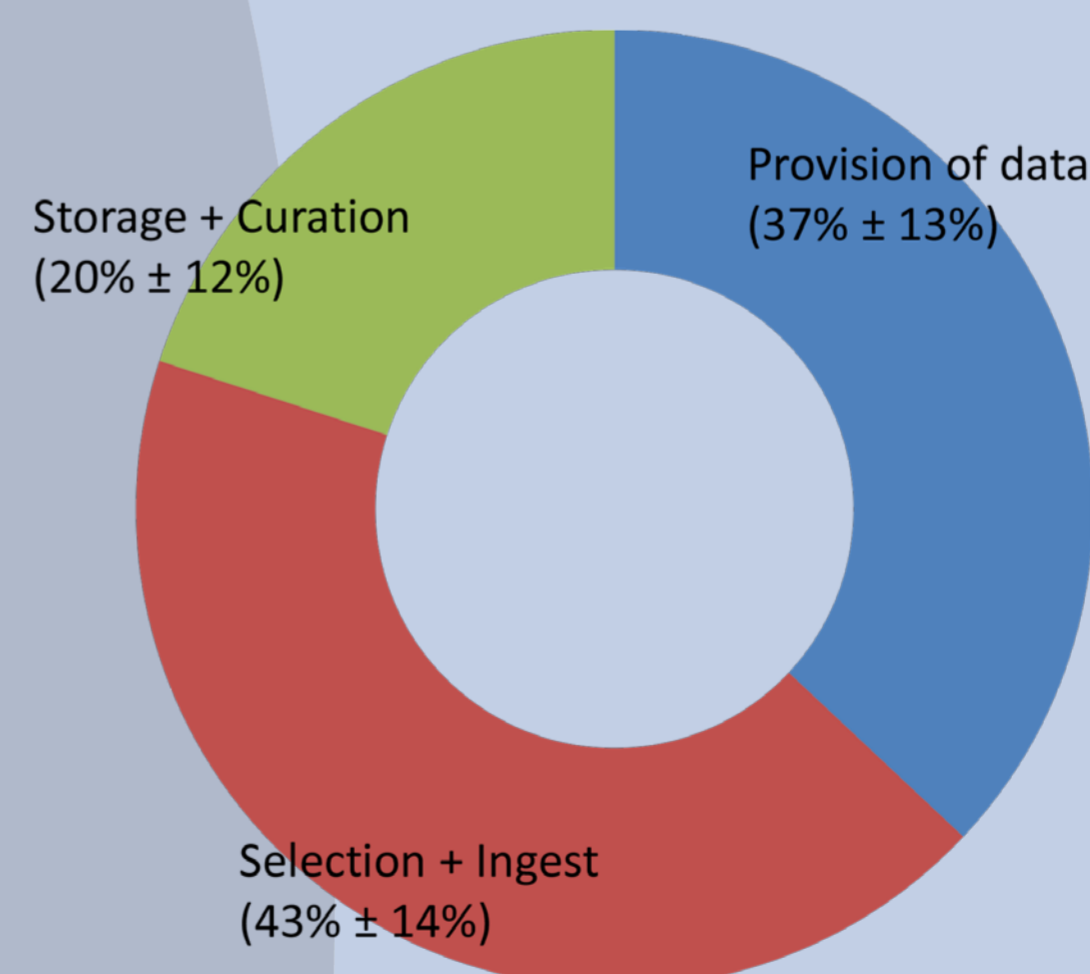
## Organisation

- Investigate relations and workflows between
  - the private domain of the individual researcher
  - the group domain, in which several researchers work on a common set of data
  - the domain of preservation of archives and repositories
  - the domain of access and re-use
- Study aspects and stakeholders which cannot be directly associated with one particular domain
- Derive abstract research data workflows for selected disciplines and discuss overlaps and synergies.



## Costs

- Analyse cost structures for the implementation and operation of a research data infrastructure



Distribution of the personnel costs during the different stages of the data life cycle. For this evaluation data of four archives was examined

## Synthesis Report

- Synthesize the results of the technological, organisational and cost structure analyses
- Investigate cross-disciplinary topics such as incentive systems for the sharing of research data
- Point out gaps in the research landscape and give recommendations for further developments

## Project Partners

