



RDM in a centralized university ecosystem – A case study of the University of Cologne

Jens Dierkes & Constanze Curdt

Johannes Boll, Ralf Depping, Sonja Kloppenburg, Maria Riese, Matthias Röder, Volker Winkelmann,
Claudia Arntz, Ulrich Lang, Hubertus Neuhausen

University of Cologne (UoC) at a Glance



KEY FACTS (2016)

48.962 *Students*

615 *Professors*

7.393 *Academic Staff*

6.473 *Degrees awarded p.a.*

635 *Ph.D.-degrees p.a.*

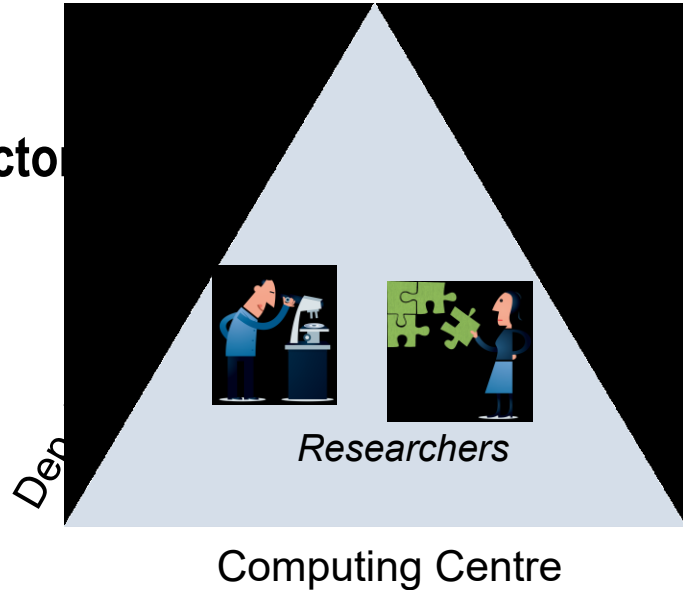
Total expenditure 725 Mio € p.a.

Third party funds. 196 Mio € p.a.

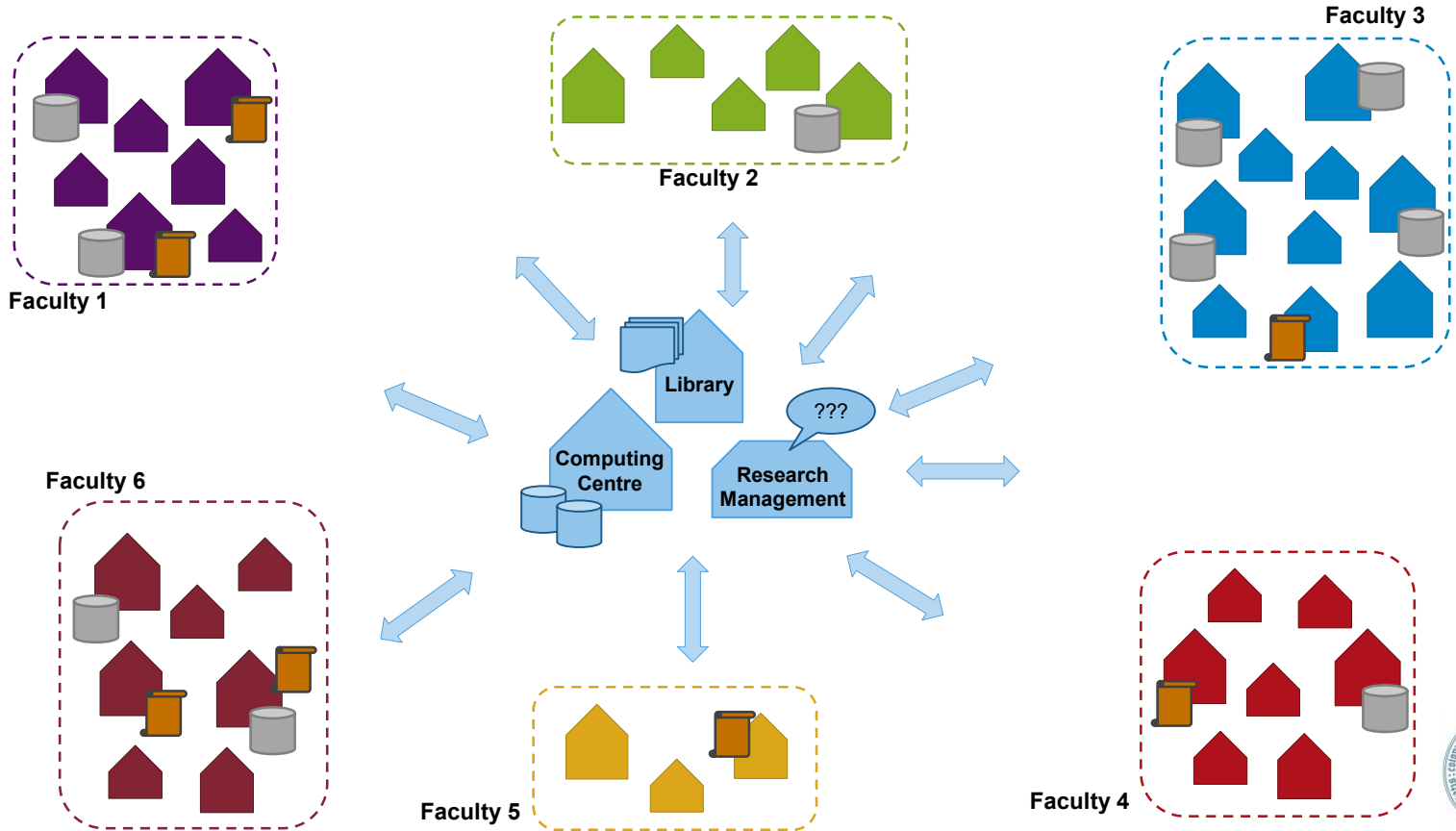
- **Classical research-oriented University, founded 1388**
- **Broad spectrum of disciplines: Humanities, Life, Natural & Social Sciences, organized in six faculties**
- **Well-developed Profile Areas**
 - Centers of Excellence (CoE)
 - Competence Areas (CA)
- **Research and Teaching Centers, e.g.**
 - Cellular stress responses in Aging Associated Diseases
 - Center for Molecular Medicine Cologne
 - Cologne Center for Genomics

RDM Pilot project at the UoC

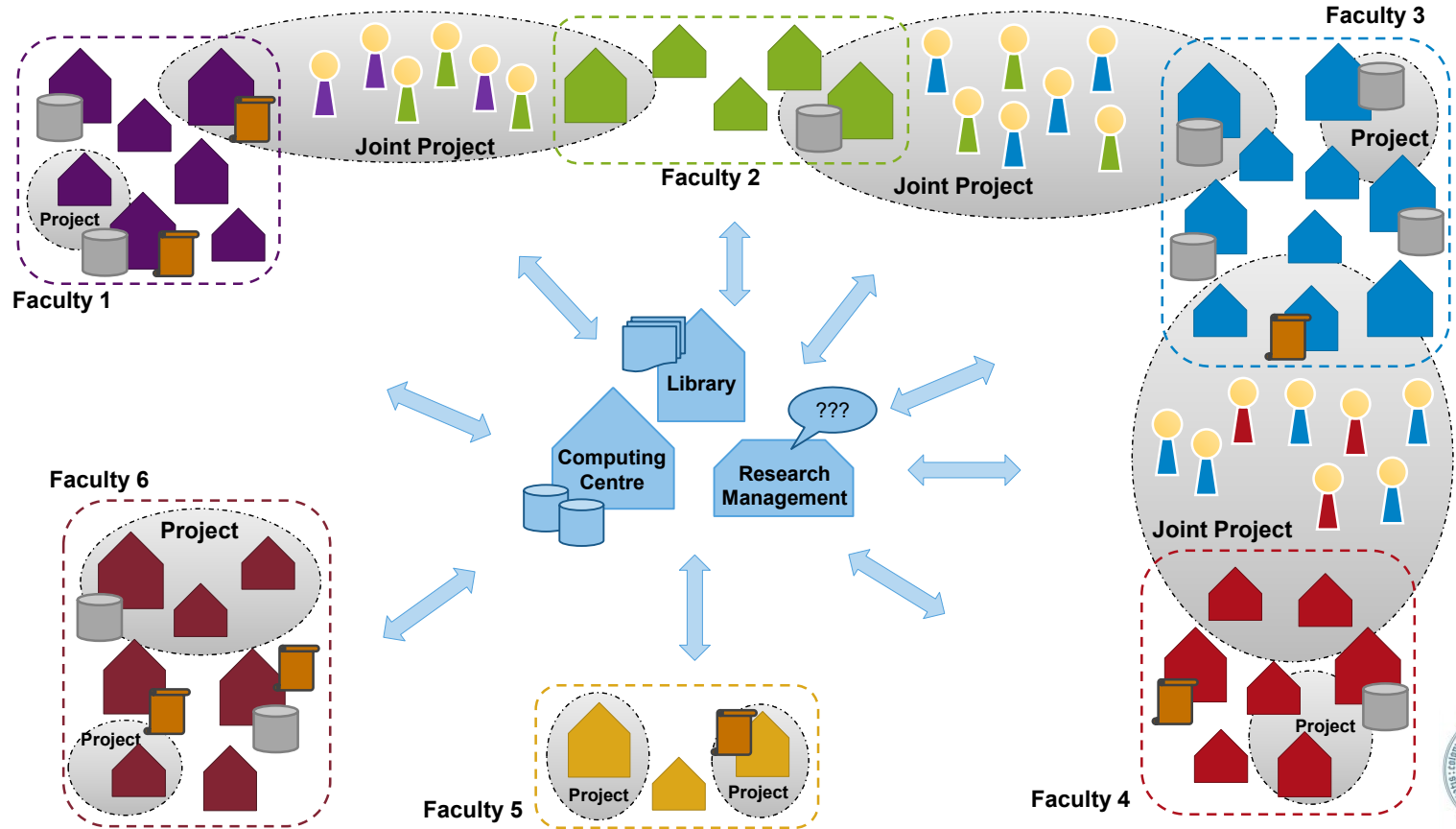
- **Feasibility study on RDM on behalf of the UoC Rector from Oct 2016 to Jan 2018**
- **Project partners:**
 - Regional Computing Centre (RRZK)
 - Dep. Research Management (D7)
 - University and City Library (USB)
- **Governance:**
 - Steering committee (vice-rector research, prodeans research, dep. head Research Management, director RRZK, director USB)
 - Project lead: dep. head Research Management, director RRZK, director USB
 - Project team: staff members D7, RRZK, USB
- **Budget: travel costs only**



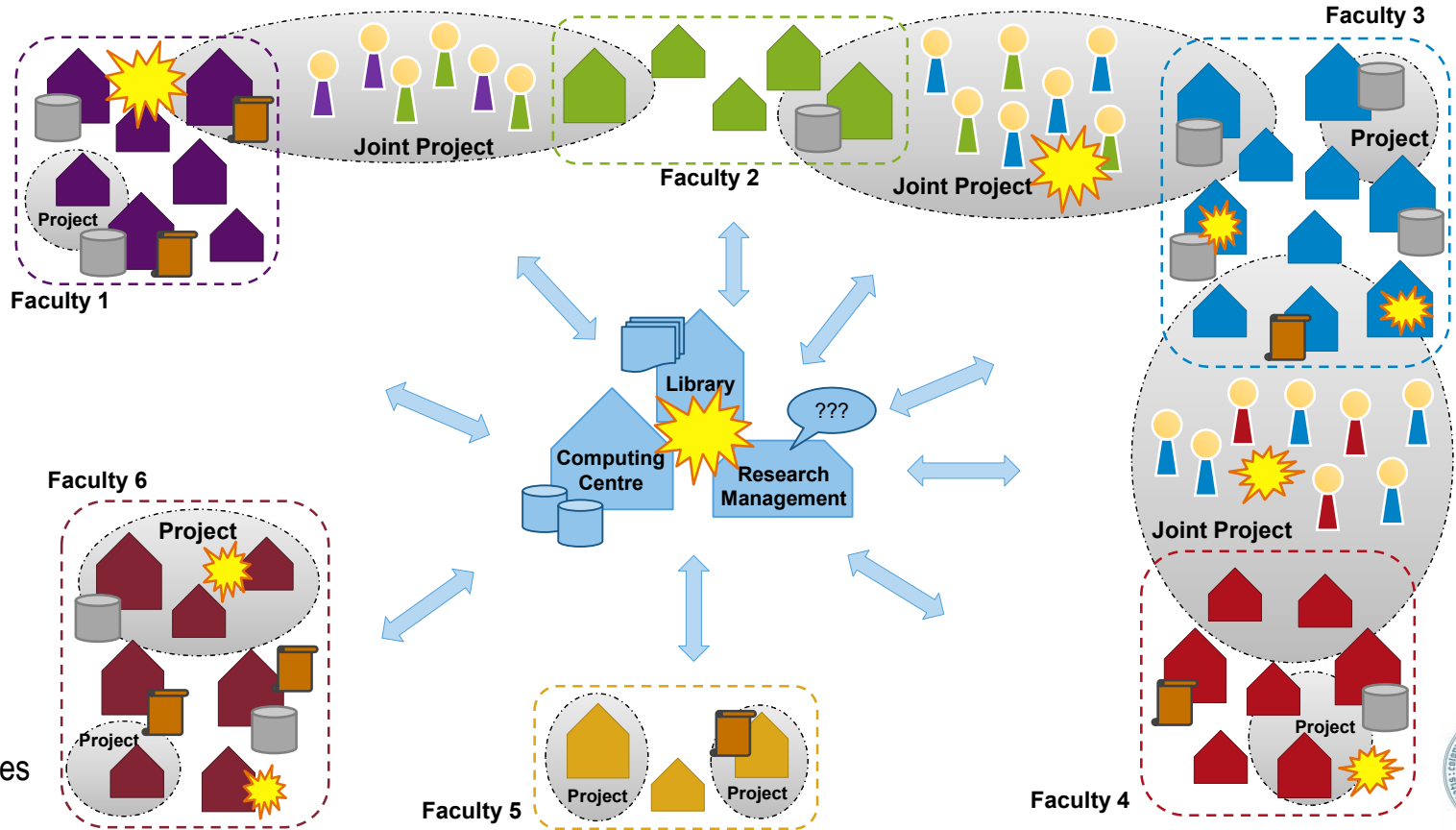
Research landscape at UoC



Research landscape at UoC



Research landscape at UoC



RDM services at the UoC

Individual
consultation services

System services

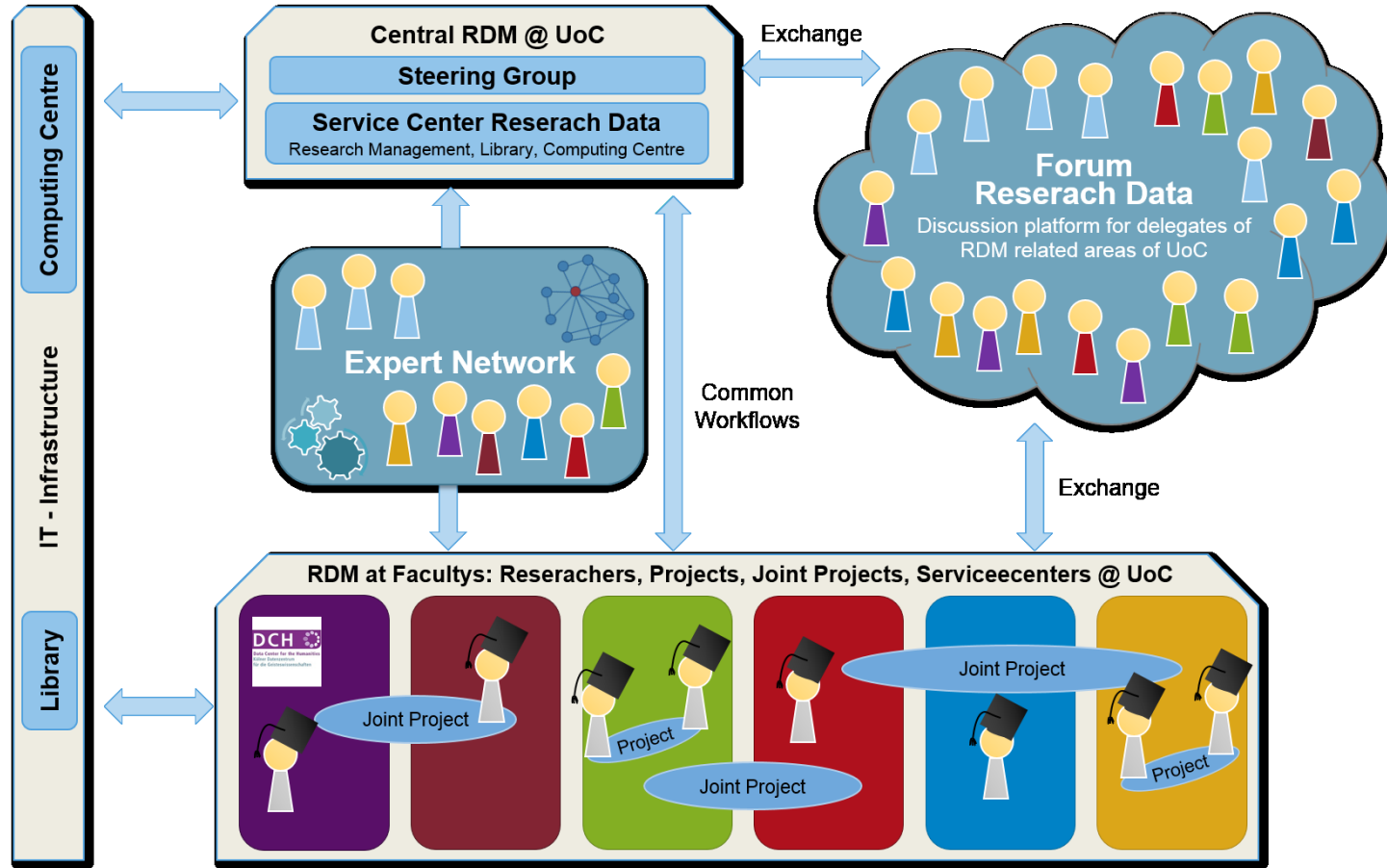
Training and
information sessions

Data archiving
services

Web based
information services

Central proof of
research data

Proposed RDM structure at UoC



Discussion/ Conclusions

- **Bottom-up process in decentralized structure**
 - Acknowledge existing structures (esp. power structure)
 - Balance between centralized and decentralized structures (e.g. Personnel, IT-Resources)
- **Workflows**
 - Roles and Responsibilities
 - Effectiveness of infrastructure
- **Sustainability**
 - Proposed network/ cooperation structure for building a RDM community - 1st step towards establishing consensus about requirements for a sustainable infrastructure
 - Need university leadership for support/ incentives
 - Consider internal and external funding flows

Thank you!

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Project lead: Claudia Arntz, Prof. Dr.-Ing. Ulrich Lang, Dr. Hubertus Neuhausen