

Welcome to the RDARI Session @ RDA 18!

“Challenges in improving interoperability within your research institution”

1. Introduction to RDARI and scene setting - 5 mins
2. Challenges at UCL designing an interoperable infrastructure (James Wilson) – 15 mins
3. Challenges at the University of Cape Town designing an interoperable infrastructure (Renate Meyer, Kimi Keith) – 15 mins
4. Plenary discussion on drivers and challenges – 45 mins
5. Wrap up and Next steps – 10 mins

Research Data Architectures for Research Institutions

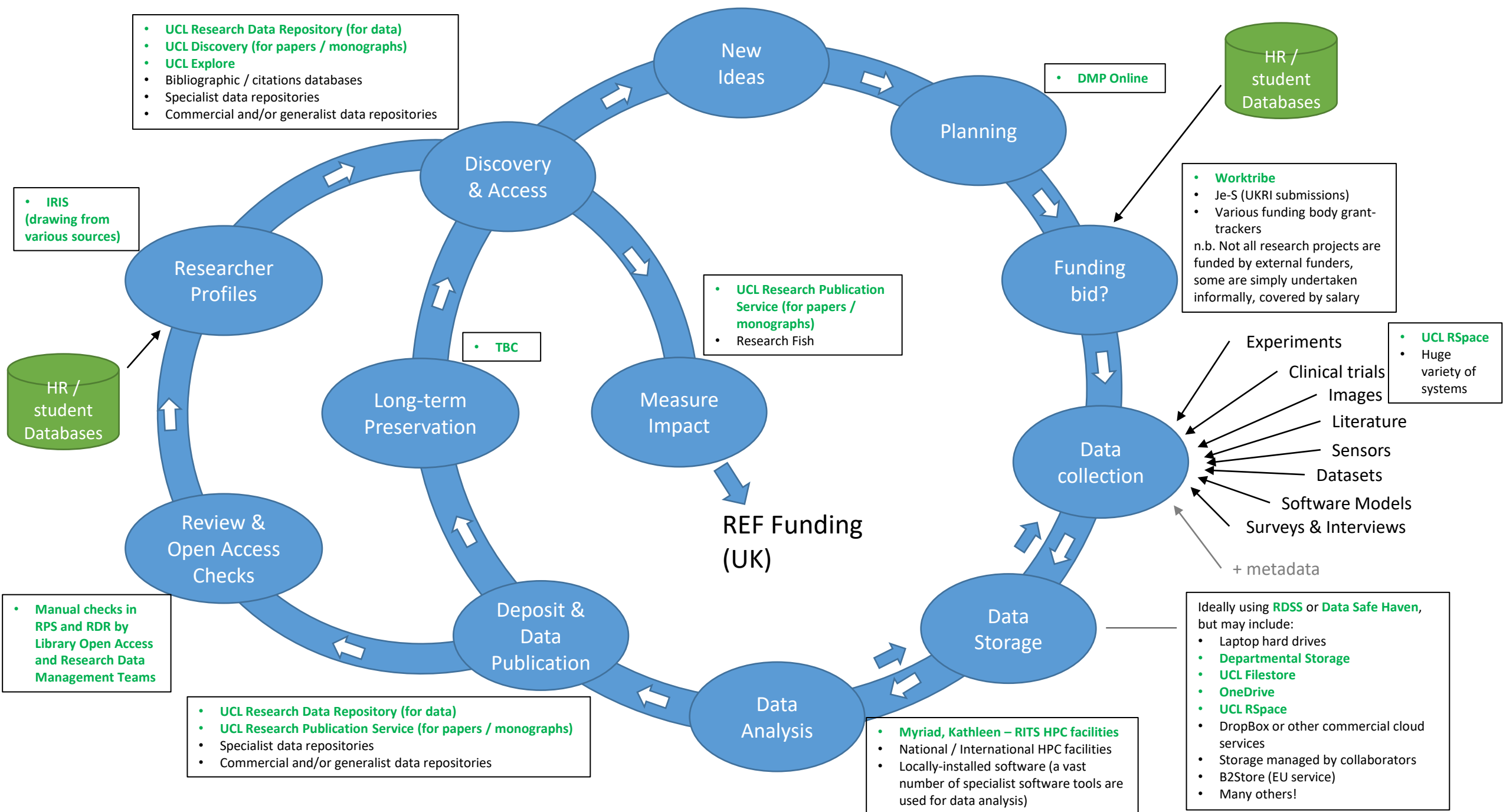
“The Research Data Architectures in Research Institutions Interest Group is primarily concerned with technical architectures for managing research data within universities and other multi-disciplinary research institutions. It provides insight into the approaches being taken to the development and operation of such architectures and their success or otherwise in enabling good practice.”

Research Data Interoperability Challenges at UCL

James A J Wilson

November 2021

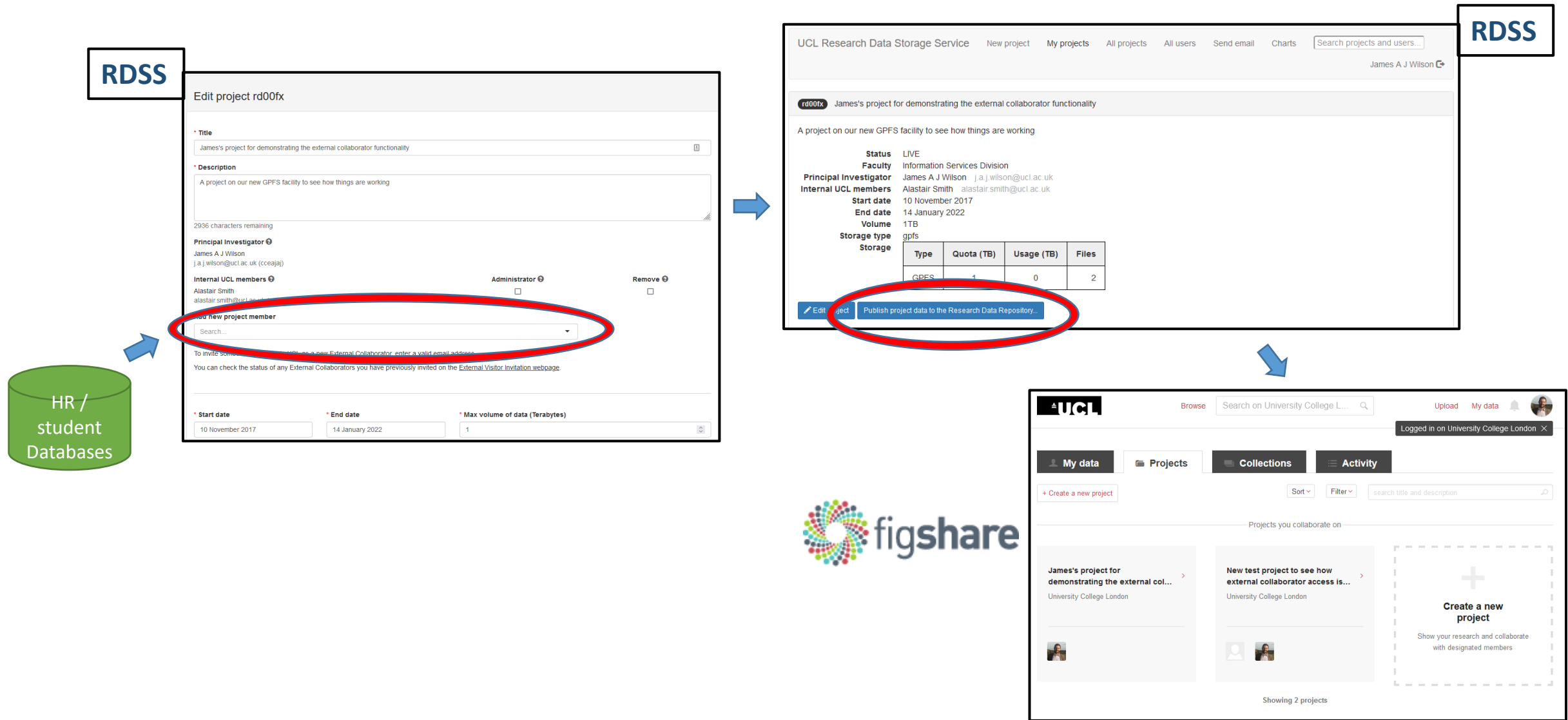




Metadata interoperability

- Some systems record project-based metadata
- Some systems record dataset-level metadata
- Some systems record whatever user-defined metadata the researchers care to add
- Most don't follow recognized standards
- No two systems capture exactly the same fields

Integrating the Research Data Storage Service with HR and Figshare



Architectural Principles

- Point-to-point integrations
- Single vendor (!)
- Data lake / Extract Transform Load

What problem(s) are we trying to fix?

- Replication / Reproducibility
- Confident re-use of data
- Some disciplines have tackled problems at disciplinary level, but a lot haven't