

Arpri 2017

# Jisc Research Data Shared Service

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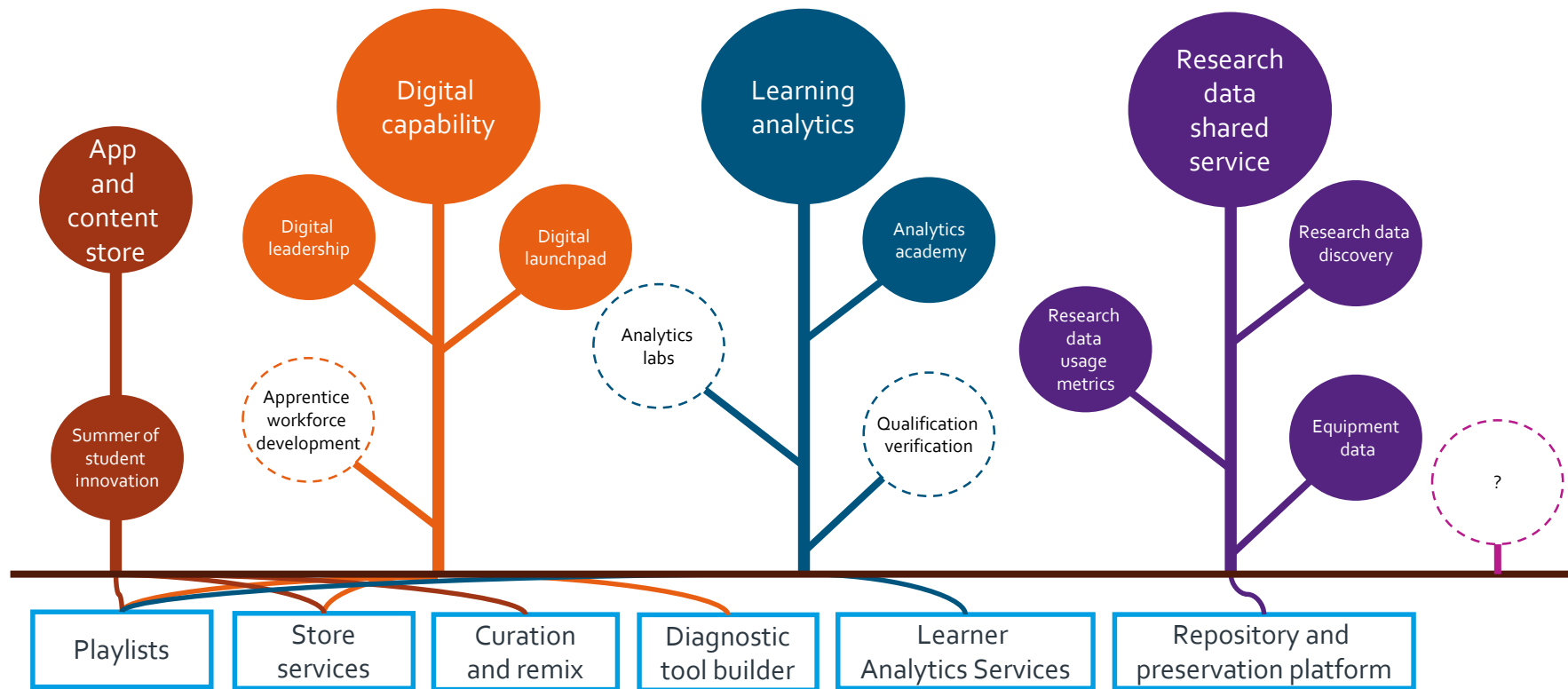
- › Who we are
- › Jisc Research Data Services Context
- › RDSS Context and Vision
- › RDSS timeline and progress
- › Data Model & CERIFication Project

Link on <https://www.jisc.ac.uk/rd/projects/research-data-shared-service>





# The futures portfolio consists of three big areas



» Alpha site - <http://ckan.data.alpha.jisc.ac.uk/>

Jisc R&D Email Feedback

## Research Data Discovery Service (Alpha)

Datasets Organisations About FAQ

Home > Datasets

Filter by location Clear

Map data @ OpenStreetMap contributors  
Tiles by MapQuest

Organisations

- UK Data Service (6876)
- NERC (3433)
- Oxford Brookes Univ... (2809)

Search datasets... Search

Order by Relevance

16,799 datasets found

Face database

TAR

Sheffield building image dataset

Jing Li and Nigel M. Allinson, Dimensionality Reduction-Based Building Recognition, in Proceedings of the Ninth IASTED International Conference on Visualization, Imaging and...

other

Research data shared service

Research data discovery

Research data usage metrics

Equipment data



# IRUSdata-UK

## Welcome to IRUSdata-UK

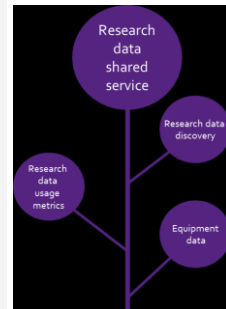
*As sharing research data becomes more common, understanding the levels of data use are important to funders, institutions and researchers from both an impact and a financial perspective. Download metrics represent one element of this valuable information. We have been working on identifying reliable ways of recording data downloads, and as part of this work have created the IRUSdataUK pilot, an experimental service (currently in the alpha phase of the release life cycle) based on established Jisc IRUS-UK technology.*

### IRUSdata-UK: aim

- Enable UK data repositories to create/share/expose usage statistics based on a global standard . COUNTER ([projectcounter.org/](http://projectcounter.org/))
- Statistics are produced on the same basis as scholarly publishers, following the COUNTER Code of Practice for e-Resources
- Raw download usage data is filtered to remove robots and double clicks
- So statistics are: Comparable, Reliable, Trustworthy, Authoritative

You can find out more about IRUSdata-UK by visiting our [Jisc Research Data Metrics page](#).

STA  
USA  
REPOSITORY  
INSTITUTIONAL



# Key researcher issues drive RDSS functionality

## Filling a gap

75% of respondents look first to their institution to preserve their data



## Uptake of RDM

Only 40% of respondents have a Research Data Management plan



## Advocacy

Only 16% of respondents are currently accessing university RDM support services



## Metadata

Only 18% of respondents say they follow established metadata guidelines



## Public datasets

>70% recognise that research is a public good and should be publicly released



## Sensitive data

41% of respondents have some form of sensitive data



Following input from our Expert Advisory Group, the Research Data Network, funders, and dialogue with global users and vendors, Jisc RDSS will provide the following core researcher functional needs:

Advise &  
best practise

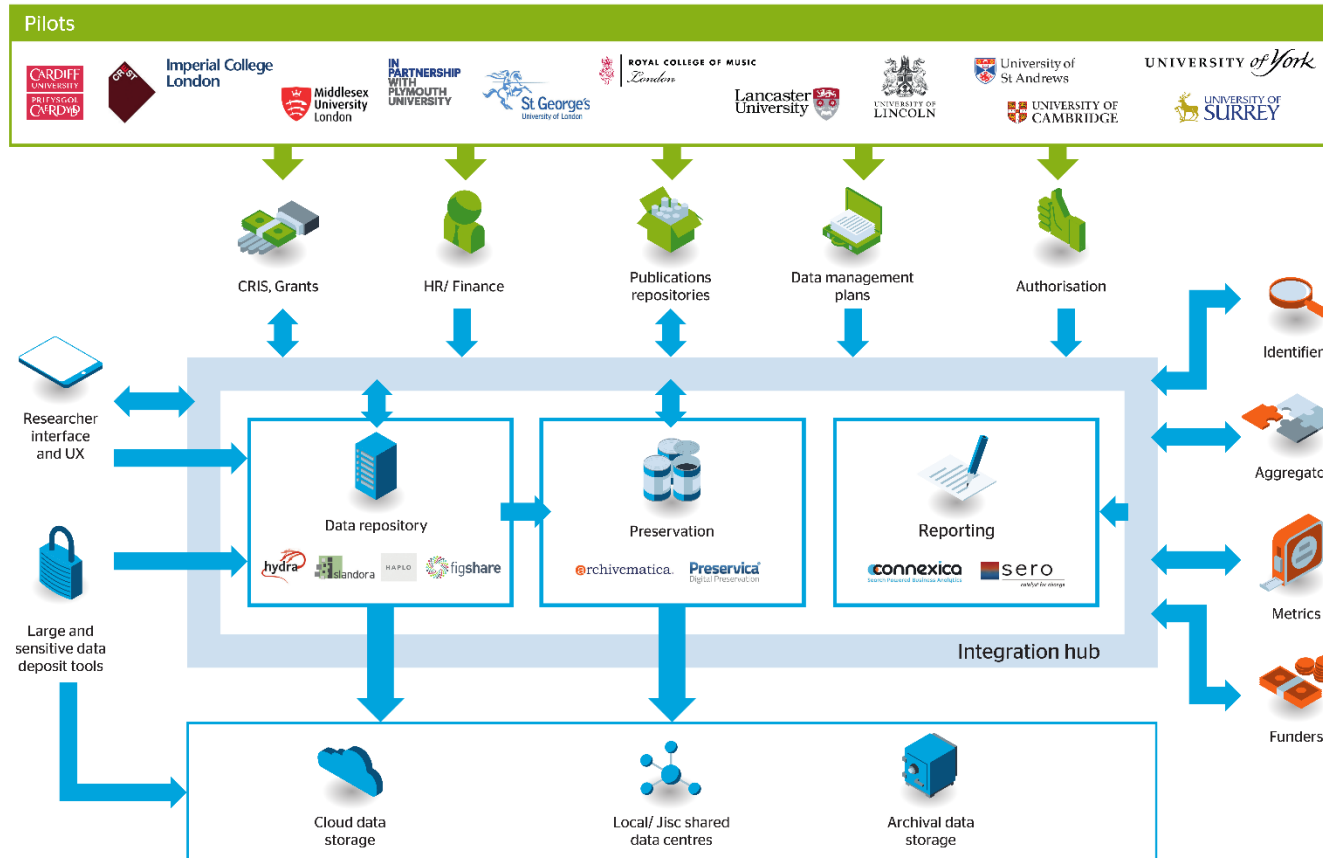
Capture & reuse

Preserve

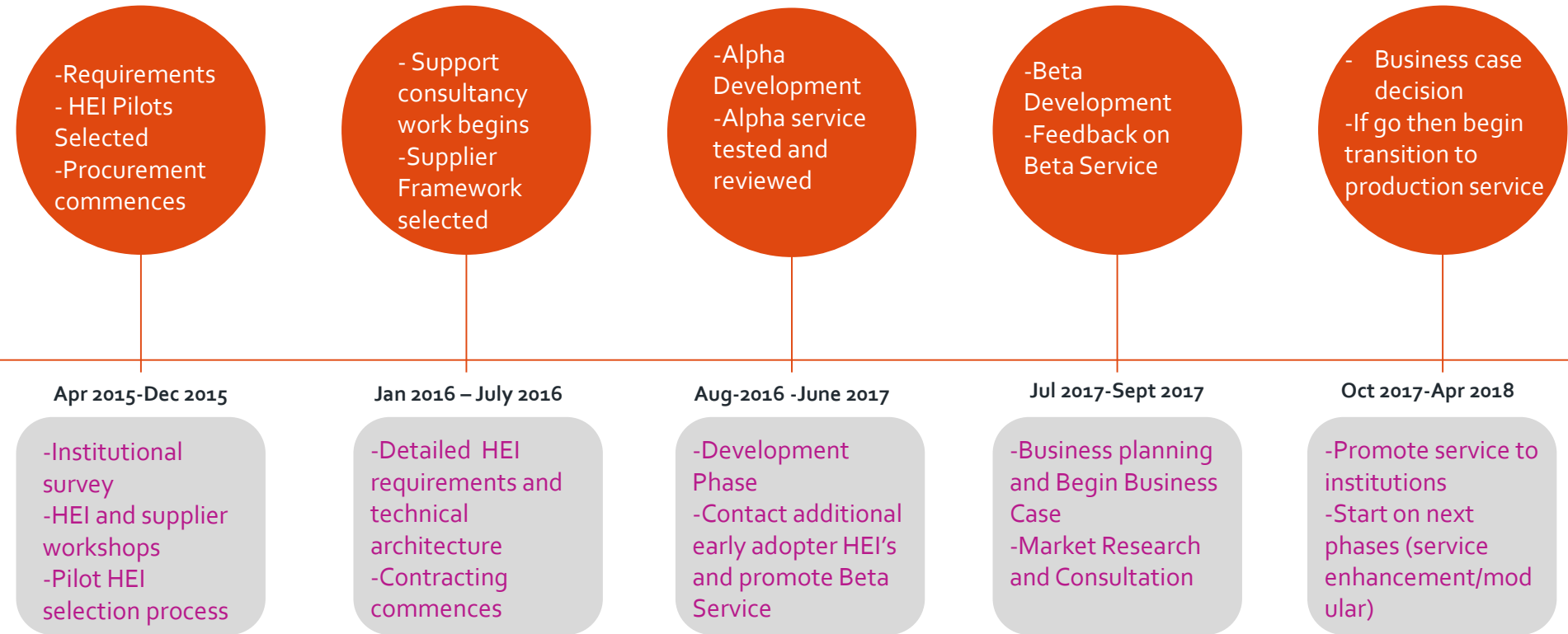
Report

Source: Jisc DAF Survey results 2016

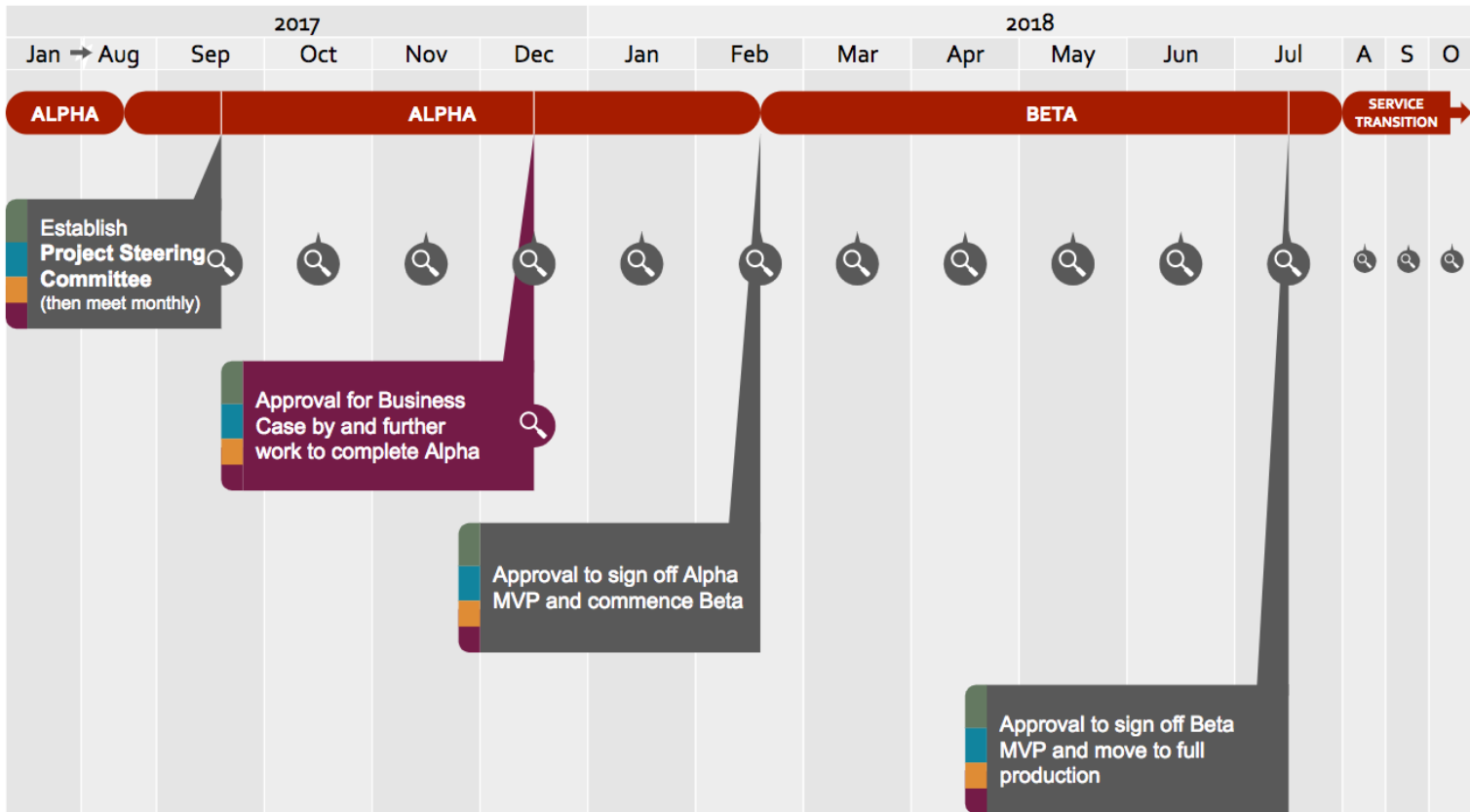


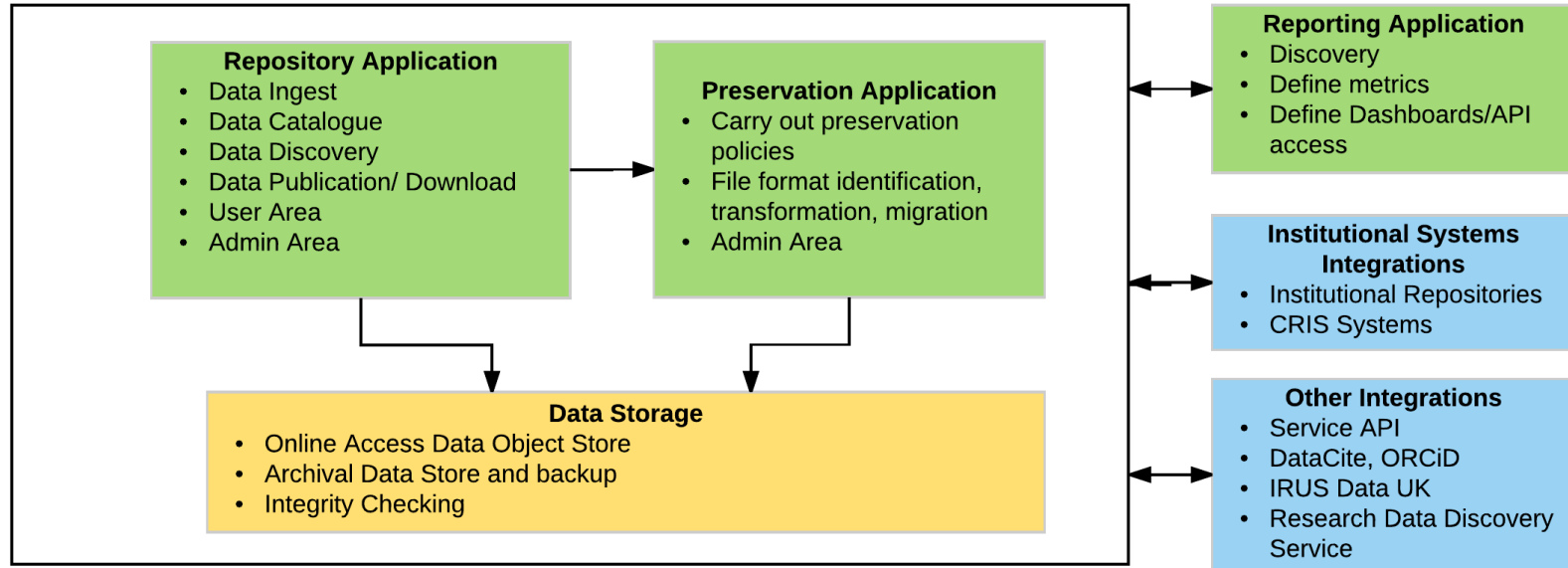


## Milestones 2015-18



# Project timeline



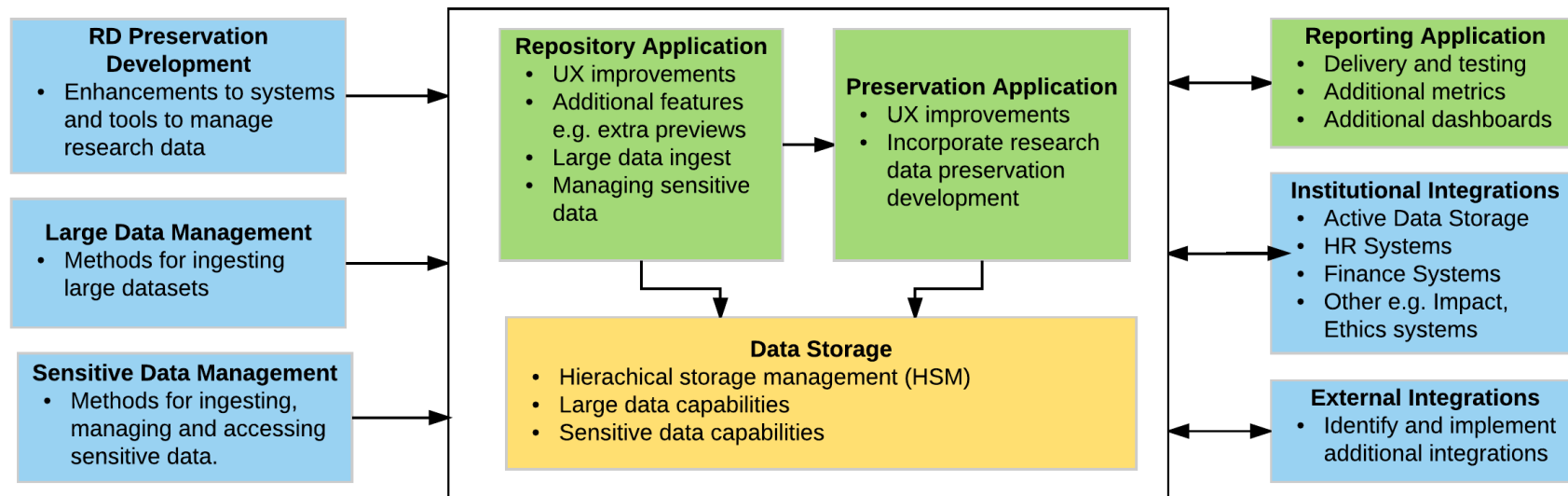
**User Experience:** Principles, Governance, Testing and Development

**Technical underpinning:** data model & architecture: event notification, APIs, infrastructure as code, micro-services, authentication & security.

Provided by RDSS Framework - Platforms

Provided by RDSS Framework - Development

Provided by Jisc / Other Jisc procurement route

**User Experience: Principles, Governance, Testing and Development****Technical underpinning:** Testing and improvements to data model & architecture for scalability, robustness and security

Provided by RDSS Framework - Platforms

Provided by RDSS Framework - Development

Provided by Jisc / Other Jisc procurement route

RDSS Component Offer	Number of Pilots Requiring (total =17)
RDSS Repository	14
RDSS Preservation	17
RDSS Reporting	14 (TBC)*
RDSS Storage	16

\* Under review as additional reporting options may be available, also differing offers from full dashboard/analytics to API only. Further discovery work is underway.



RDSS Component Offer	Number of Pilots Requiring (total =17)
Eprints (Repository)	12
Dspace (Repository)	4
Hydra (Repository)	2
Symplectic (CRIS)*	4
Pure (CRIS)	3
Converis (CRIS)	1
Authentication	17

\*RDSS Framework Supplier

# Product Clusters

Cluster	Organisation	Status	Archivematica	Preservica	Repository	Preservation Experts Cluster	
1	Samvera and Archivematica	Cambridge	Already have access to Preservica and Archivematica. Repository to be delivered			Samvera	
		Lancaster	Already have access to Preservica and Archivematica. Repository to be delivered			Samvera	
		Lincoln	Already have access to Archivematica. Repository to be delivered			Samvera	
		York	Already have access to Archivematica. Repository to be delivered			Samvera	
2	Figshare and Preservica	Middlesex	Both systems delivered - Production		Figshare		
		St George's	Both systems delivered - Production		Figshare		
		Surrey	Both systems delivered - Test		Figshare		
3	Samvera and Preservica	Cardiff	Preservica delivered, Repository to be delivered		Samvera		
		Imperial	Preservica delivered, Repository to be delivered		Samvera		
		Plymouth	Preservica delivered, Repository to be delivered		Samvera		
		Royal College of Music	Preservica delivered, Repository delivered and migrated in October		Samvera		
4	Figshare and Archivematica	CREST	St Mary's	Archivematica delivered, repository currently being implemented		Figshare	
			UCA	Archivematica delivered, repository currently being implemented		Figshare	
			Bucks New	Archivematica delivered, repository currently being implemented		Figshare	
			Winchester	Archivematica delivered, repository currently being implemented		Figshare	
5	Preservation only	Glasgow	No Repo,sitory both prservation systems delivered				
		St Andrew's	Already have access to Preservica. Archivematica and Pure interface prototype to be delivered in November				

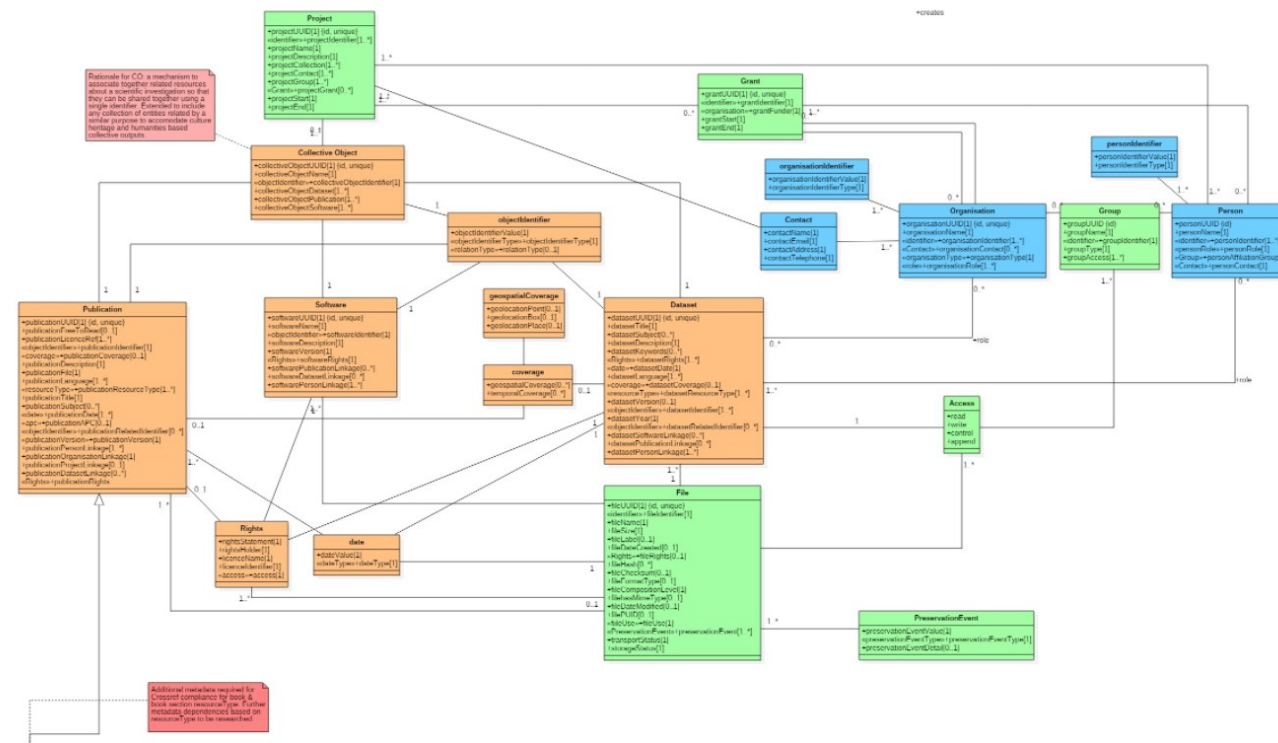


University of  
St Andrews

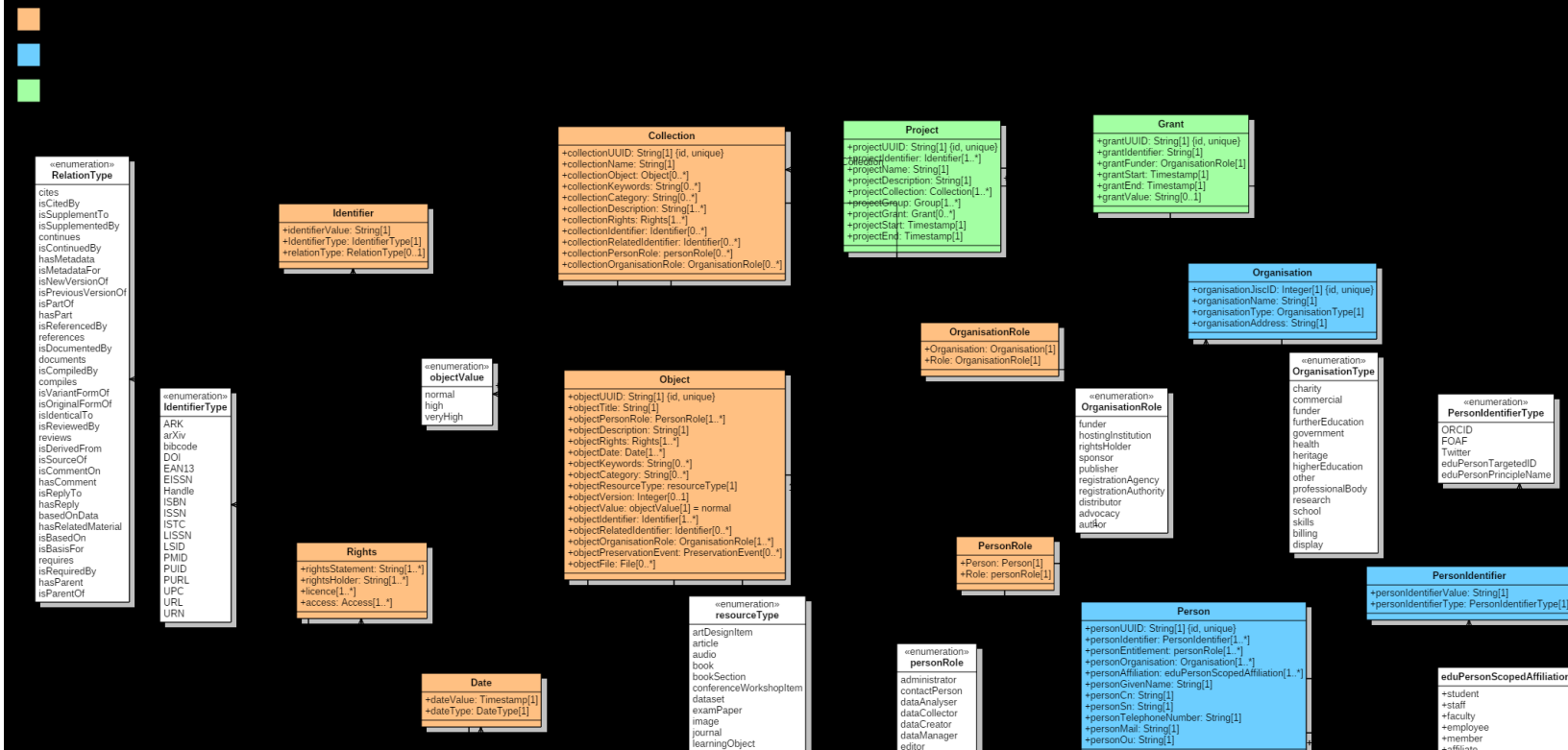


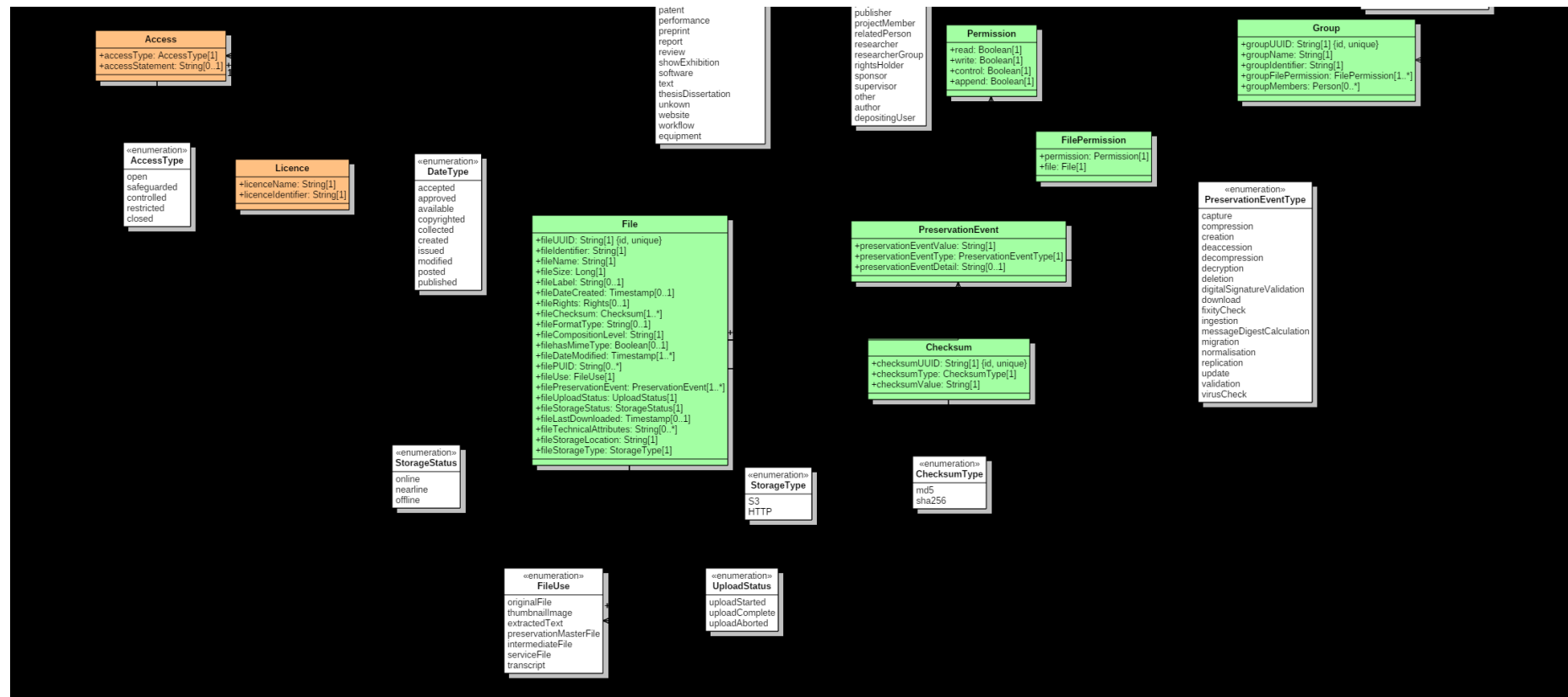
**CTU**

**CZECH TECHNICAL  
UNIVERSITY  
IN PRAGUE**



<https://github.com/JiscRDSS/rdss-canonical-data-model>







RDSS class	CERIF entity
Person	Person
Organisation	OrgUnit
Project	Project
Grant	Funding
Collection	Service
Object	ResultPublication ResultProduct ResultPatent Event Equipment
File	Medium

- » RDSS logical data model mapped to CERIF logical data model, including full documentation.
- » Specific use cases of RDSS, or related services, mapped to CERIF-XML and accompanying guidelines for use.
- » CERIF model feedback to euroCRIS and consideration in enhancements to the standard.
- » Engagement via workshop/webinair(s) to disseminate outcomes from project.

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# Thank you!

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