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D | C | C

because good research needs good data

## Using CRIS to power research data discovery

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12 May 2015



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Supported by



# Outline

Vision

Phase I

RIF-CS

Mapping from CERIF to RIF-CS

Phase 2, with added CRIS?

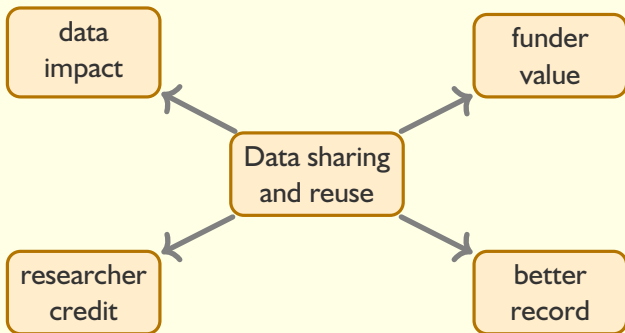


## UK Research Data

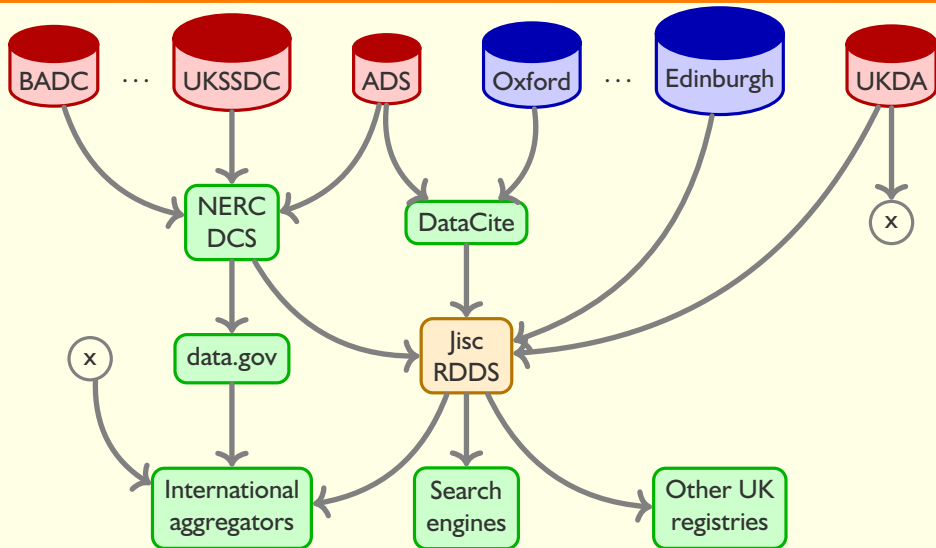
# Discovery Service for UK Research Data



## Discovery Service for UK Research Data



# Where does RDRDS fit in?



# Phase I pilot

- ▶ Discovery service based on ORCA (Research Data Australia)
- ▶ Participating data repositories:
  - ▶ 9 universities: Edinburgh, Glasgow, Hull, Lincoln, Leeds, Oxford, Oxford Brookes, St Andrews, Southampton
  - ▶ UKDA
  - ▶ Archaeology Data Service
  - ▶ 7 NERC Data Centres: BADC, BODC, EIDC, NEORC, NGDC, PDC, UKSSDC
- ▶ Harvested metadata in six standard formats
- ▶ Harvested metadata according to three protocols:
  - ▶ native XML export
  - ▶ OAI-PMH
  - ▶ CSW (Catalogue Services for the Web)
  - ▶ (but we had to cheat a little bit with the last two)





Search for Research Data



Advanced Search

Browse by Subject Area



Browse by Map Coverage



## What's in the Research Data Registry and Discovery Service



### Collections (49)

Research datasets or collections of research materials.



### Parties (36)

Researchers or research organisations that create or maintain research datasets or collections.



### Activities (0)

Projects or programs that create research datasets or collections.



### Services (0)

Services that support the creation or use of research datasets or collections.

## Spotlight on research data

<http://rdrds.cloudapp.net/>

## Who contributes to the Research Data Registry and Discovery Service?

5 research organisations from around the UK contribute information to Research Data Australia.

[See All](#)

 Share

Research Data Australia is an Internet-based discovery service designed to provide rich connections between data, projects, researchers and institutions, and promote visibility of Australian research data collections in search engines. [Read more about us...](#)

ANDS is supported by the Australian Government through the National Collaborative Research Infrastructure Strategy Program and the Education Investment Fund (EIF) Super Science Initiative.



# About RIF-CS

- ▶ Profile of ISO 2146 (Information and Documentation – Registry Services for Libraries and Related Organizations)
- ▶ Optimized for collection services registries
- ▶ Maintained by ANDS: see <http://services.ands.org.au/documentation/rifcs/1.6/guidelines/rif-cs.html>
- ▶ ‘Gateway drug’ for CERIF?



# Data model

COLLECTION

repository

COLLECTION

registry

COLLECTION

collection

COLLECTION

dataset

COLLECTION

catalogueOrIndex

PARTY

group

PARTY

person

PARTY

administrative-  
Position

ACTIVITY

program

ACTIVITY

project

ACTIVITY

course

ACTIVITY

event

ACTIVITY

award

SERVICE

create

SERVICE

generate

SERVICE

transform

SERVICE

report

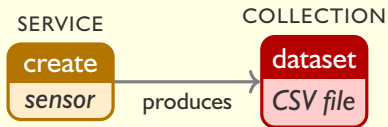
...

# Example set of related objects

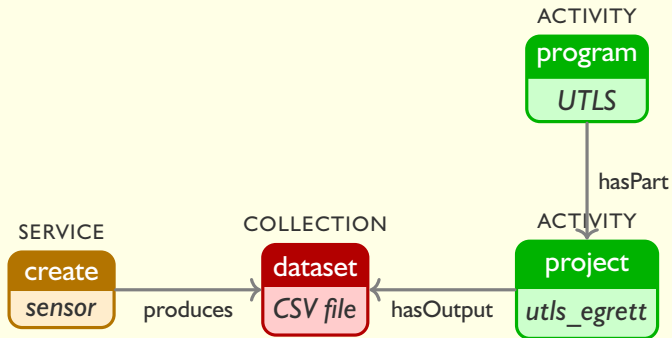
COLLECTION



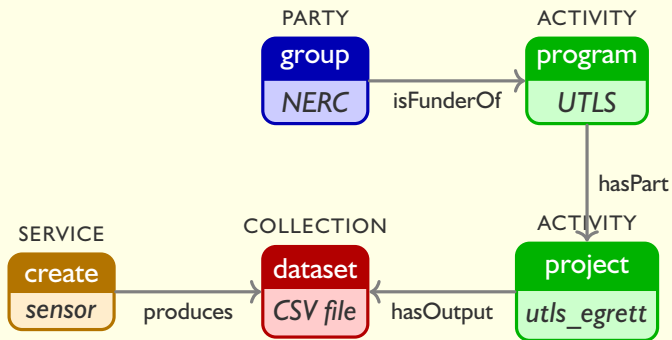
# Example set of related objects



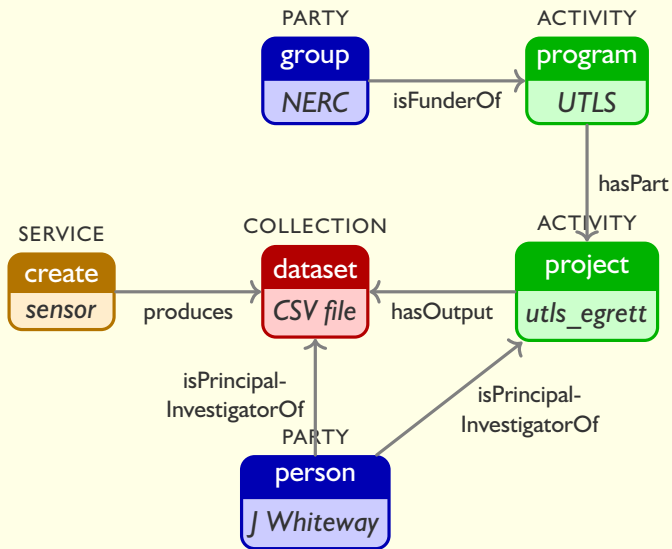
# Example set of related objects



# Example set of related objects

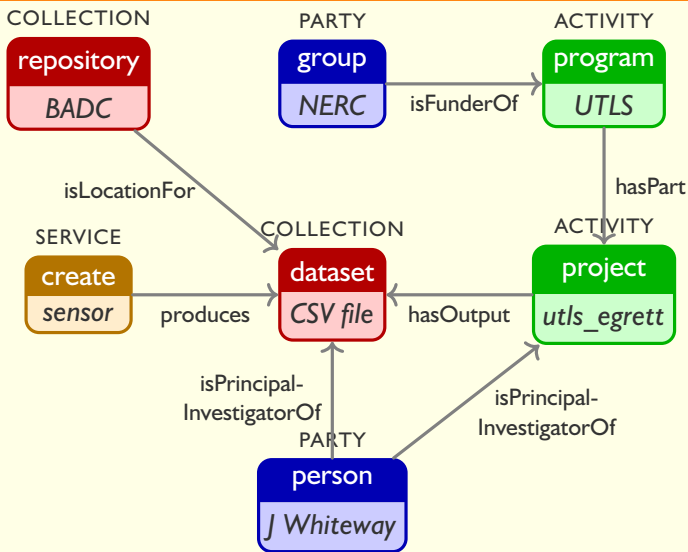


# Example set of related objects

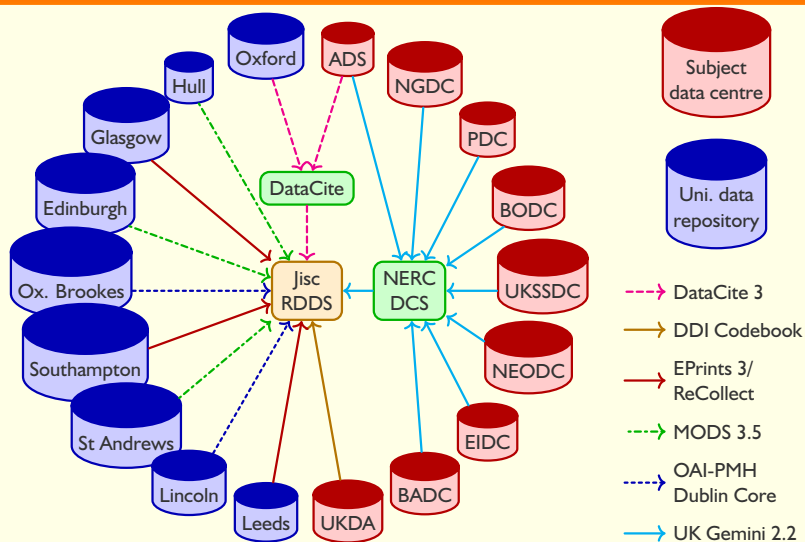




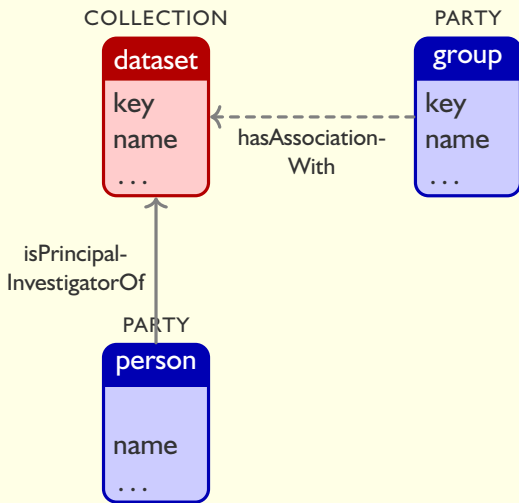
# Example set of related objects



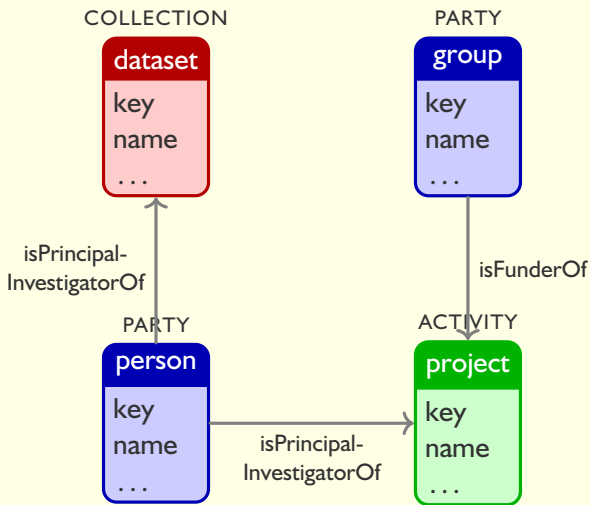
# Metadata flows



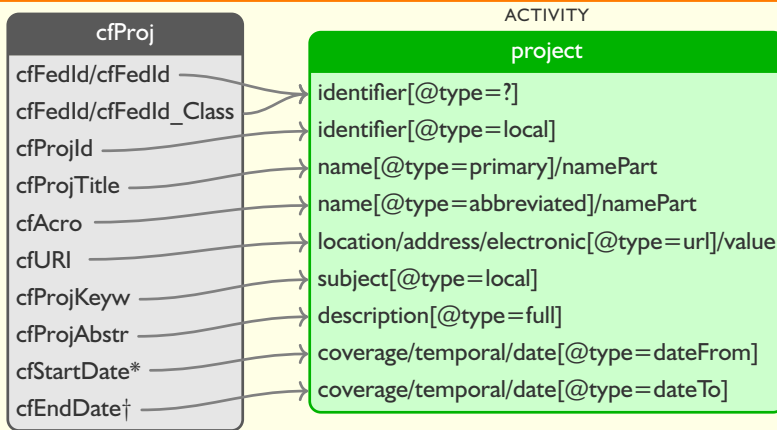
# Problem statement



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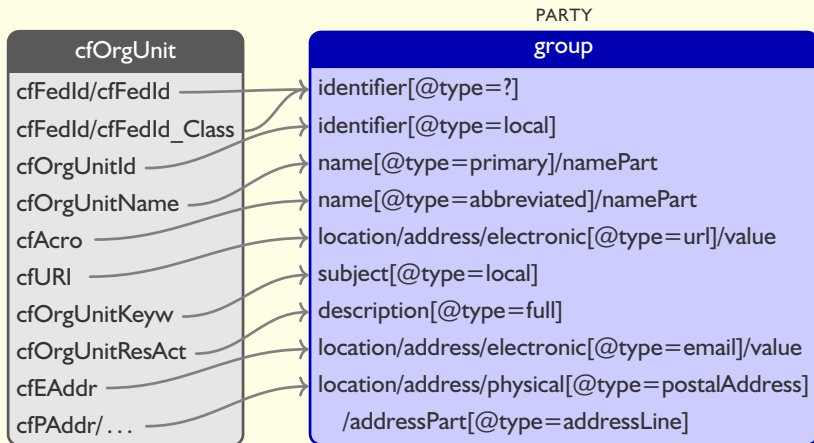
# From CERIF to RIF-CS: Projects



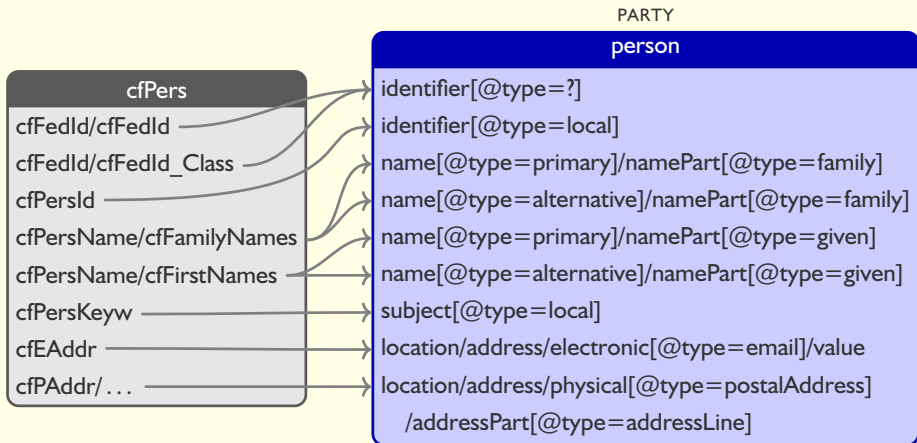
\* deprecated; see also 'Awarded' `cfProj_Class/cfStartDate`, 'Funder' `cfProj_OrgUnit/cfStartDate`.

† deprecated; see also 'Awarded' `cfProj_Class/cfEndDate`, 'Closed' `cfProj_Class/cfStartDate`, 'Funder' `cfProj_OrgUnit/cfEndDate`.

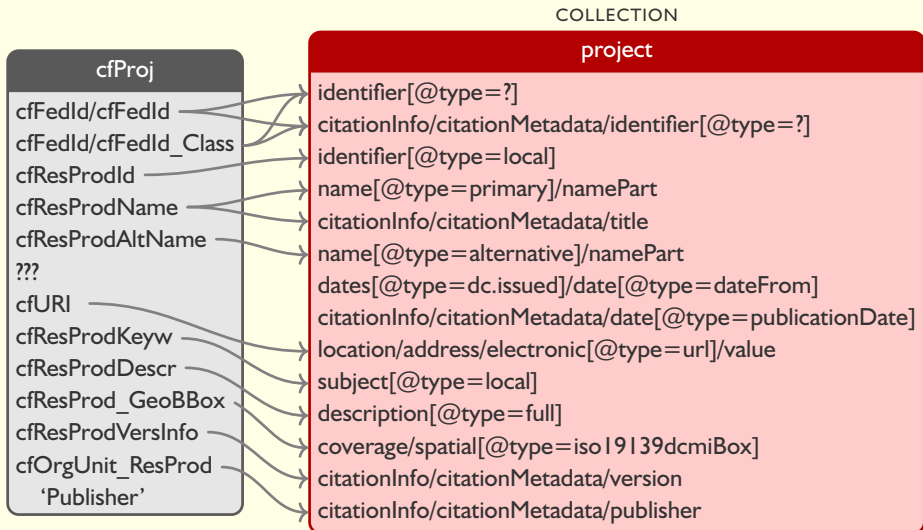
# From CERIF to RIF-CS: Organisations



# From CERIF to RIF-CS: Data creators

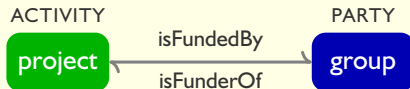
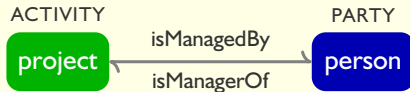
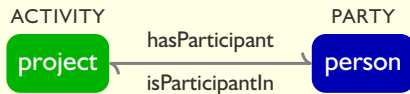
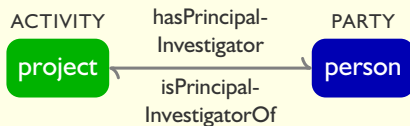


# From CERIF to RIF-CS: Datasets

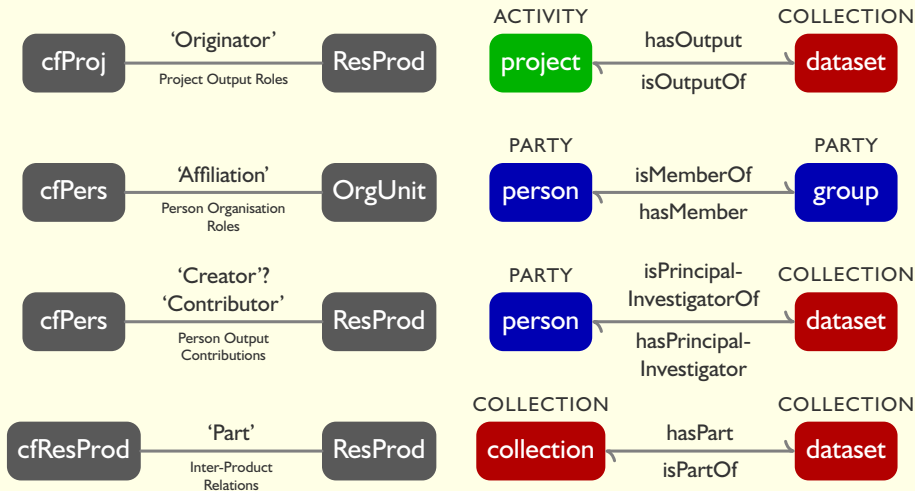




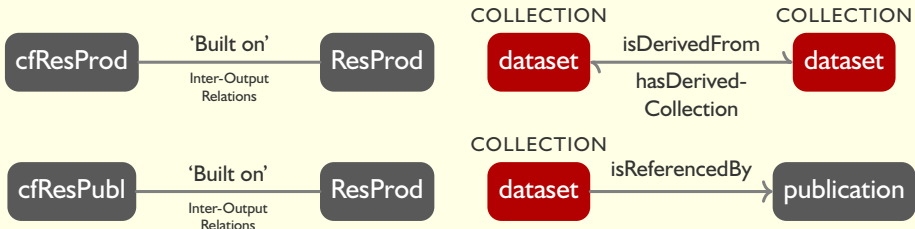
# From CERIF to RIF-CS: Relationships



# From CERIF to RIF-CS: Relationships



# From CERIF to RIF-CS: Relationships



RIF-CS could also express

- ▶ the party that manages the dataset;
- ▶ the party that owns the dataset;
- ▶ a publication that cites the dataset;
- ▶ a publication that documents the dataset;
- ▶ a publication to which the dataset is a supplement.

# Example party record: without CRIS

[About](#) [Collections](#) [Parties](#) [Activities](#) [Services](#) [Themes](#)

Search for Research Data



Advanced Search

Browse by Subject Area



Browse by Map Coverage



[Home](#) / [EPrints](#) / [Party](#) 

## Joe Bloggs

 Share

### Connections

#### Collections

A wonderful research dataset



# Example party record: with CRIS?

Joe Bloggs

Redbrick University






 Person

   Viewed: 14

## Brief description

Fusce luctus mauris ipsum, sed tempus mi mollis et. Cras ullamcorper, est ac convallis vulputate, tellus enim suscipit leo, a porttitor nibh est ut turpis. Quisque ultricies, magna at hendrerit euism, sapien ante ultricies nibh, in tincidunt libero nulla quis eros. Donec magna eros, mollis eu libero nec, semper rutrum leo. Maecenas condimentum lectus feugiat ex eleifend, non aliquet ex sagittis. Ut rhoncus, ex id dictum varius.

## Related Data

-  Collector of A wonderful research dataset
-  Collector of An excellent research dataset
-  Collector of A superlative research dataset
-  Collector of An important research dataest
-  Collector of A well-formed research dataset

View all 56 related data

 Save to MyRDA

## Contact Information

[jbloggs@redbrick.ac.uk](mailto:jbloggs@redbrick.ac.uk)

Room 87  
Hayward Building  
Woebetide Lane  
Redbrick  
ZQ3 4WW

## Subjects

Film and Television | Studies in Creative Arts and Writing

## Identifiers

URI : <http://www.redbrick.ac.uk/staff/12345>



because good research needs good data

Merci beaucoup pour votre attention  
Thank you for your attention

DCC Website: <http://www.dcc.ac.uk/>

UK RDDS Phase 2 home page: <http://www.jisc.ac.uk/rd/projects/uk-research-data-discovery>

