



because good research needs good data

Using CRIS to power research data discovery

Alex Ball¹ Christopher Brown² Laura Molloy³
Veerle Van den Eynden⁴ David Wilson³

¹DCC/UKOLN, University of Bath

²Jisc

³DCC/HATII, University of Glasgow

⁴UK Data Archive

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Supported by



Outline

Vision

Phase I

RIF-CS

Mapping from CERIF to RIF-CS

Phase 2, with added CRIS?

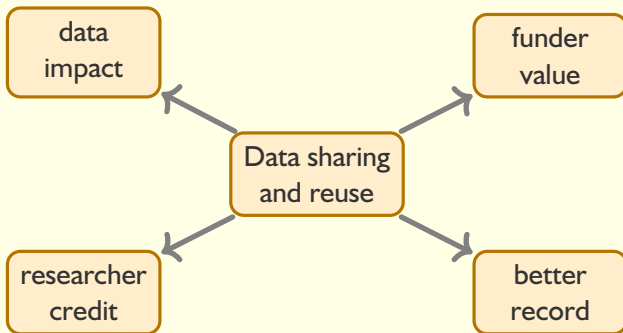


UK Research Data

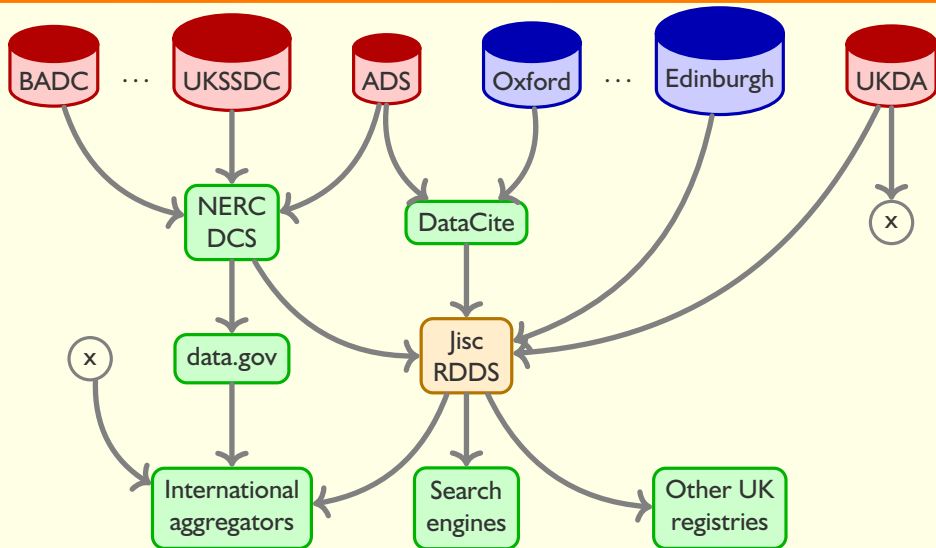
Discovery Service for UK Research Data



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

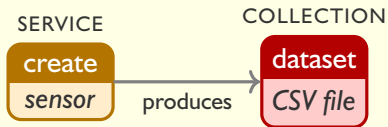
...

Example set of related objects

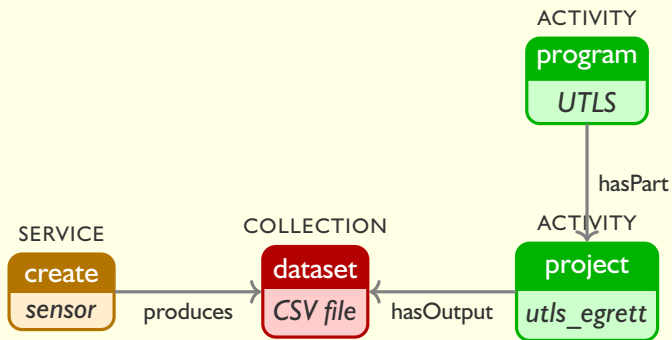
COLLECTION



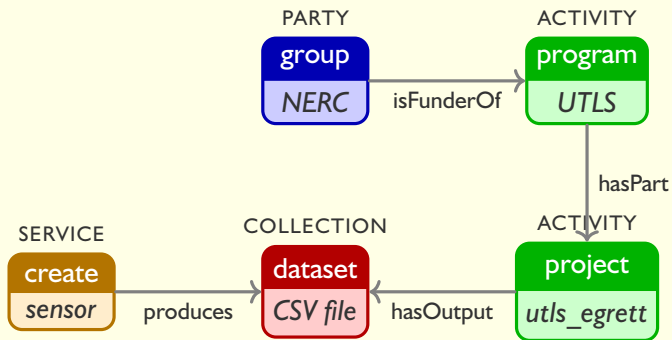
Example set of related objects



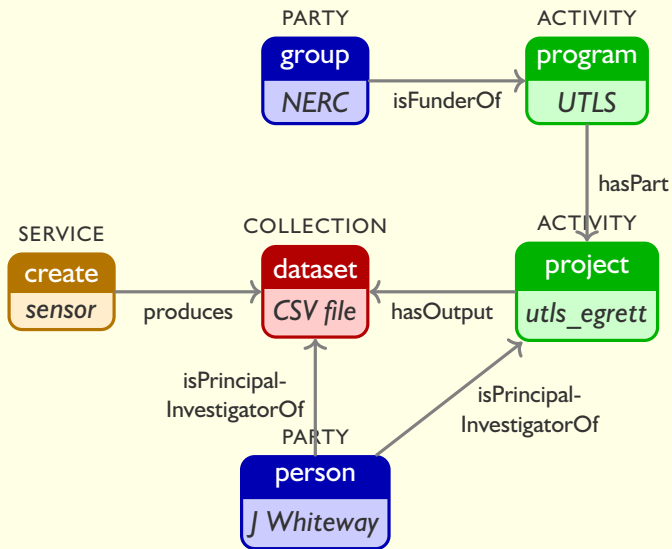
Example set of related objects



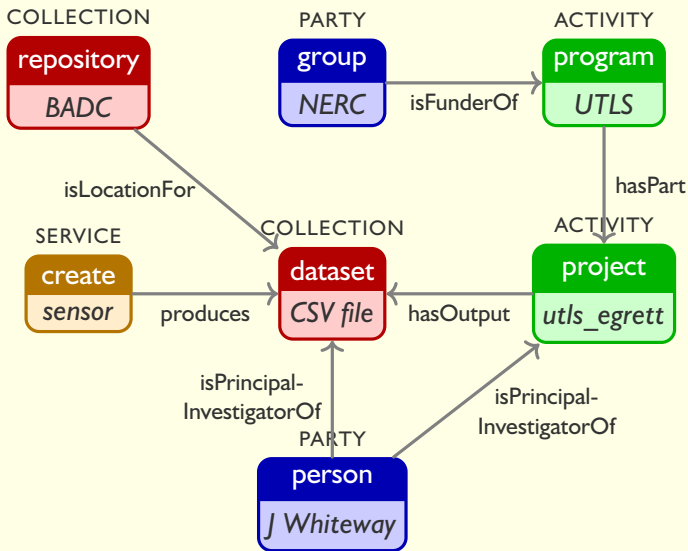
Example set of related objects



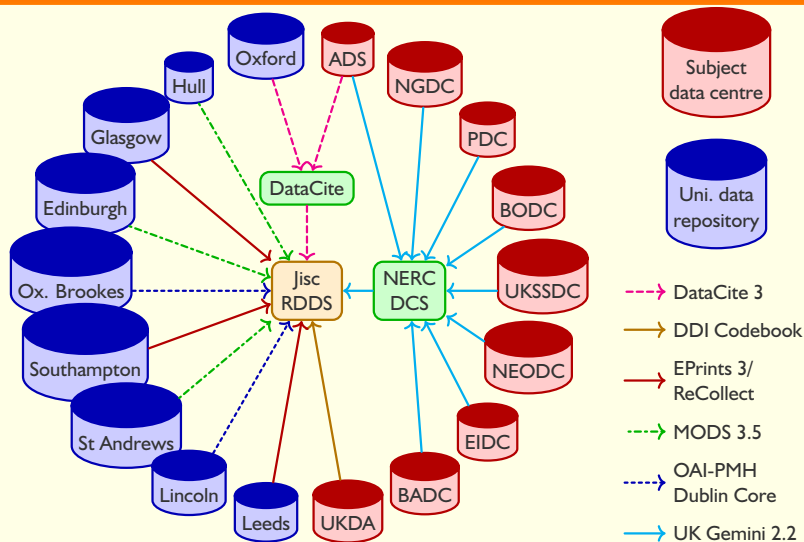
Example set of related objects



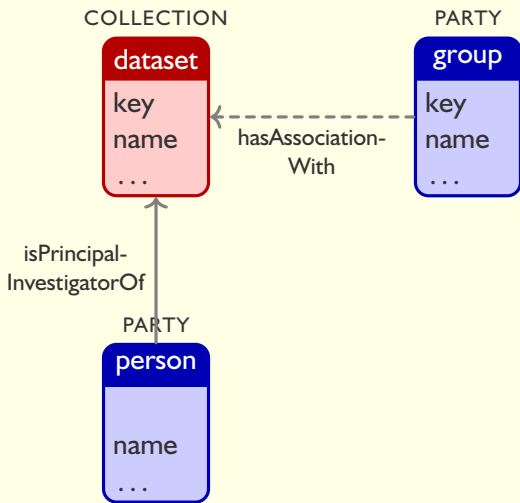
Example set of related objects



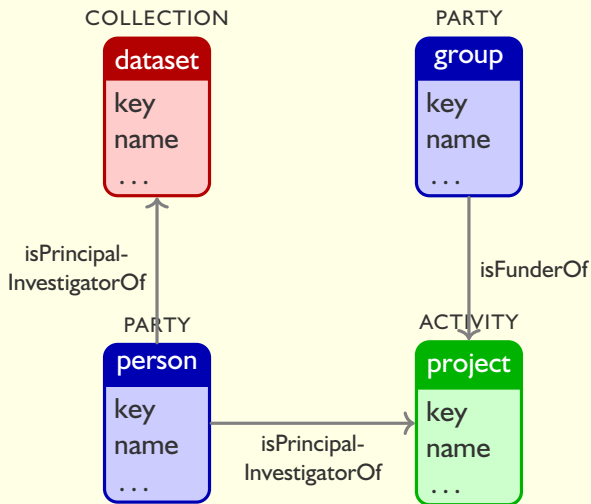
Metadata flows



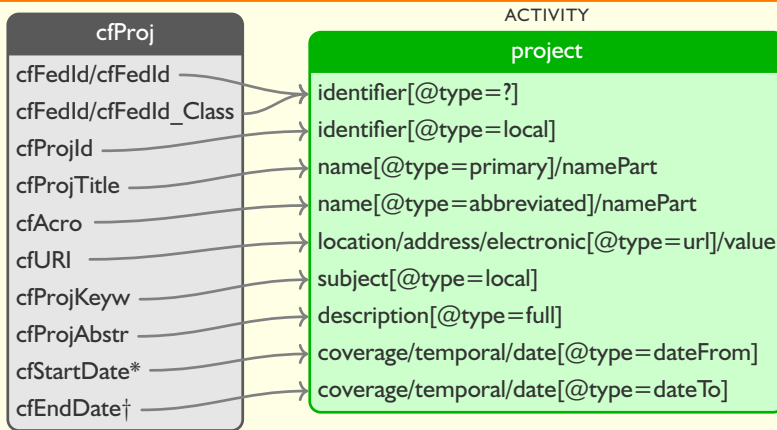
Problem statement



Problem statement



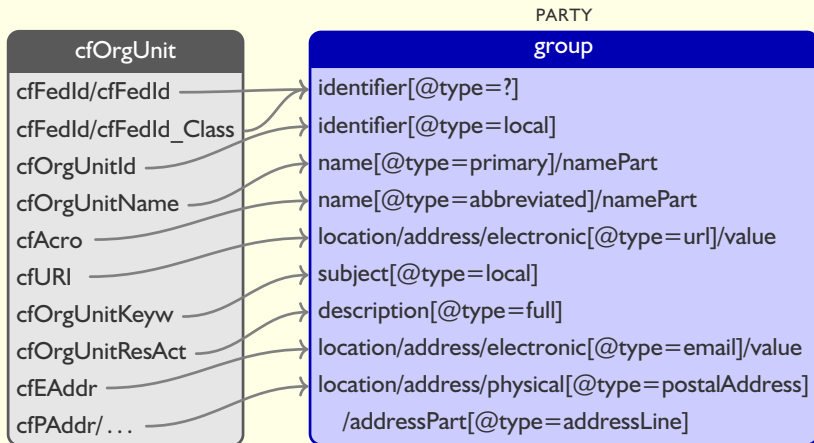
From CERIF to RIF-CS: Projects



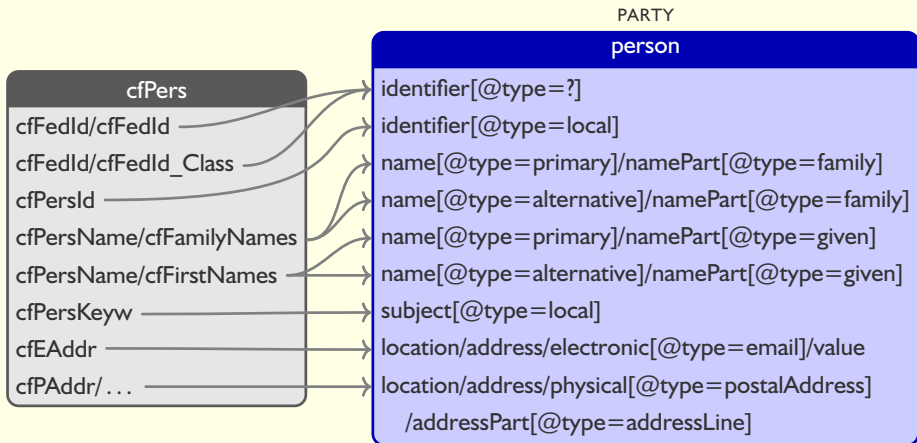
* deprecated; see also 'Awarded' `cfProj_Class/cfStartDate`, 'Funder' `cfProj_OrgUnit/cfStartDate`.

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

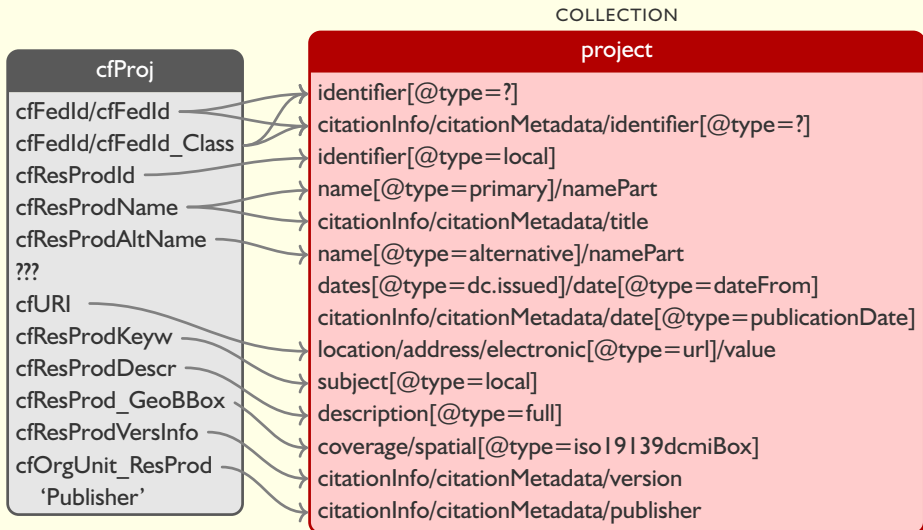
From CERIF to RIF-CS: Organisations



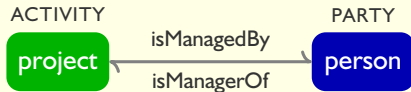
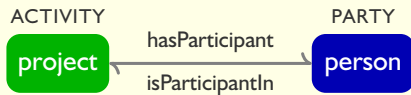
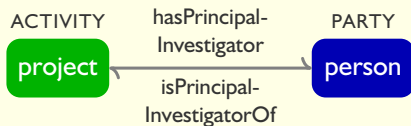
From CERIF to RIF-CS: Data creators



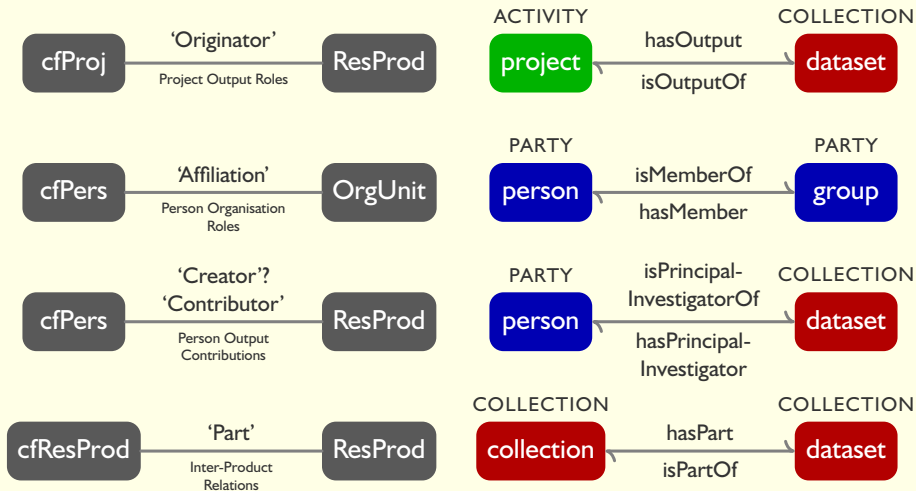
From CERIF to RIF-CS: Datasets



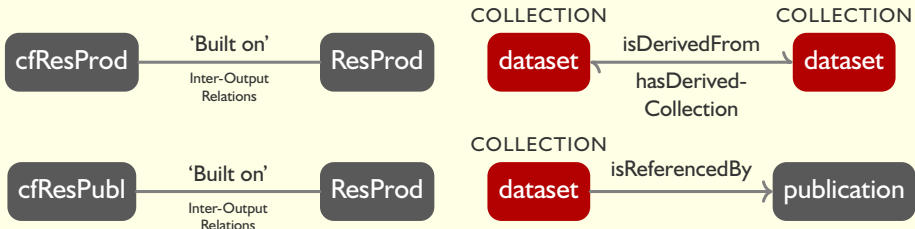
From CERIF to RIF-CS: Relationships



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](#) 

Alan Cresswell



Share

Connections

Collections

Validated radiometric mapping in 2012 of areas in Japan affected by the Fukushima-Daiichi nuclear accident



Example party record: with CRIS?

← Return to search

Search is restricted to People and Organisations ✕

All Fields ▾ mike craven

✕ Q Search

Advanced Search

CRAVEN, MIKE

Australian Antarctic Data Centre

Person

Save to MyRDA

Contact Information

m.craven@utas.edu.au

Ph: +61 3 6226 7876

Fax: +61 3 6226 6902

CRAVEN, MIKE

203 Channel Highway

Australian Antarctic

Division

Tasmania 7050

Australia

f t g Viewed: 5

Related Data

- Processor Ice shelf - ocean interaction in the cavity beneath the Amery Ice Shelf
- Processor Amery Ice Shelf - hot water drill borehole, 2001-02 - AM01
- Processor Amery Ice Shelf - hot water drill borehole, 2001-02 - AM01 Aquadopp current meter data
- Processor Amery Ice Shelf - hot water drill borehole, AM01 Brancker thermistor data
- Processor Amery Ice Shelf - hot water drill borehole, 2001-02 - AM01 FSI-CTD profile data

View all 52 related data

User Contributed Tags ⓘ

Login to tag this record with meaningful keywords to make it easier to discover



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>

