



Using Research Activity Identifiers (RAiD) to track and report projects

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Facts about RAiD

- RAiD is a PID, a registry, and a collaborative metadata management system for research projects and activities, linking **organisations, people, inputs, and outputs** to a project and storing other **key project information**.
- Governed by [ISO Standard 23527:2022](#) with the **ARDC as the global Registration Authority** and lead developer of the system.
- National PID Strategy
- **ARDC** and **DataCite** are partnering to deliver RAiD services leveraging **DOI infrastructure**.

RAiD and DataCite

Project-specific RAiD features

[Metadata schema](#)

Multi-party administration

Dynamic / designed to evolve

[Standardised landing page](#) provided

Extensible / customisable

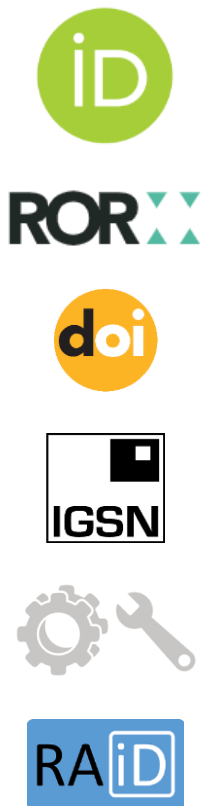
Community development & support



Some of our recent collaborations

RAiD is (in large part) a container for other PIDs

<https://raid.org/10.12345/j6k28>



Title (primary) Lorem Ipsum Project

Title (acronym) LIP

Start date 2023-01-30

Description (short) Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas vitae condimentum nisl, eget ornare felis.

Principle investigator orcid.org/0000-0002-3843-0000

Role <https://credit.niso.org/contributor-roles/conceptualization/>

Co-investigator orcid.org/0000-0002-3639-2080

Role <https://credit.niso.org/contributor-roles/data-curation/>

Lead organisation ror.org/00rqr9422

Partner organisation ror.org/03b94tp07

Grant <https://doi.org/10.8948/908234D93EAF>

Dataset <https://doi.org/10.1594/PANGAEA.726855>

Article <https://doi.org/10.1038/nphys1170>

Instrument <https://doi.org/10.1337/jdlc-tima>

Sample <https://doi.org/10.60510/awfwi02135>

Alternate Identifier 134323205 (Local CRIS ID)

Alternate URL <https://osf.io/j4ck9/> (OSF Project)



Sub-project <https://raid.org/10.3010/401XQPOI>


RAiD as a 'source of truth' for research projects



Interacting with RAiD: API



- Although we have a web app for manual editing, most interactions should happen through systems connecting via the RAiD API
- Avoid double-entry of data, saving time and preventing errors



raid the raid API 

GET /raid/{prefix}/{suffix} Read a raid  

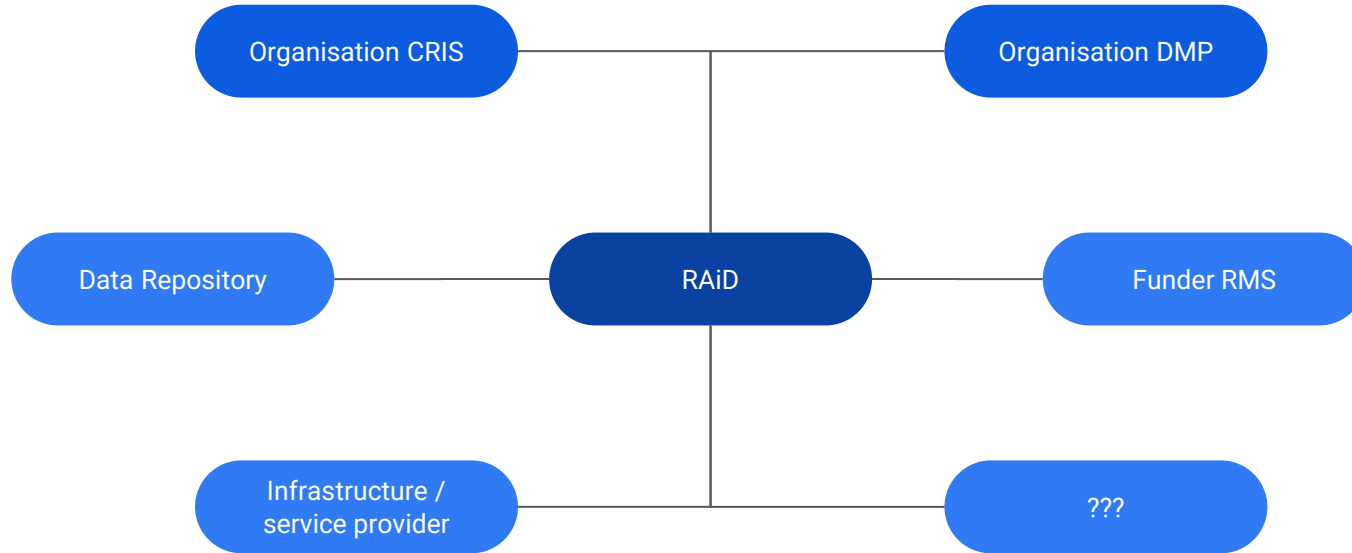
PUT /raid/{prefix}/{suffix} Update a raid  

GET /raid/ List raids  

POST /raid/ Mint a raid  

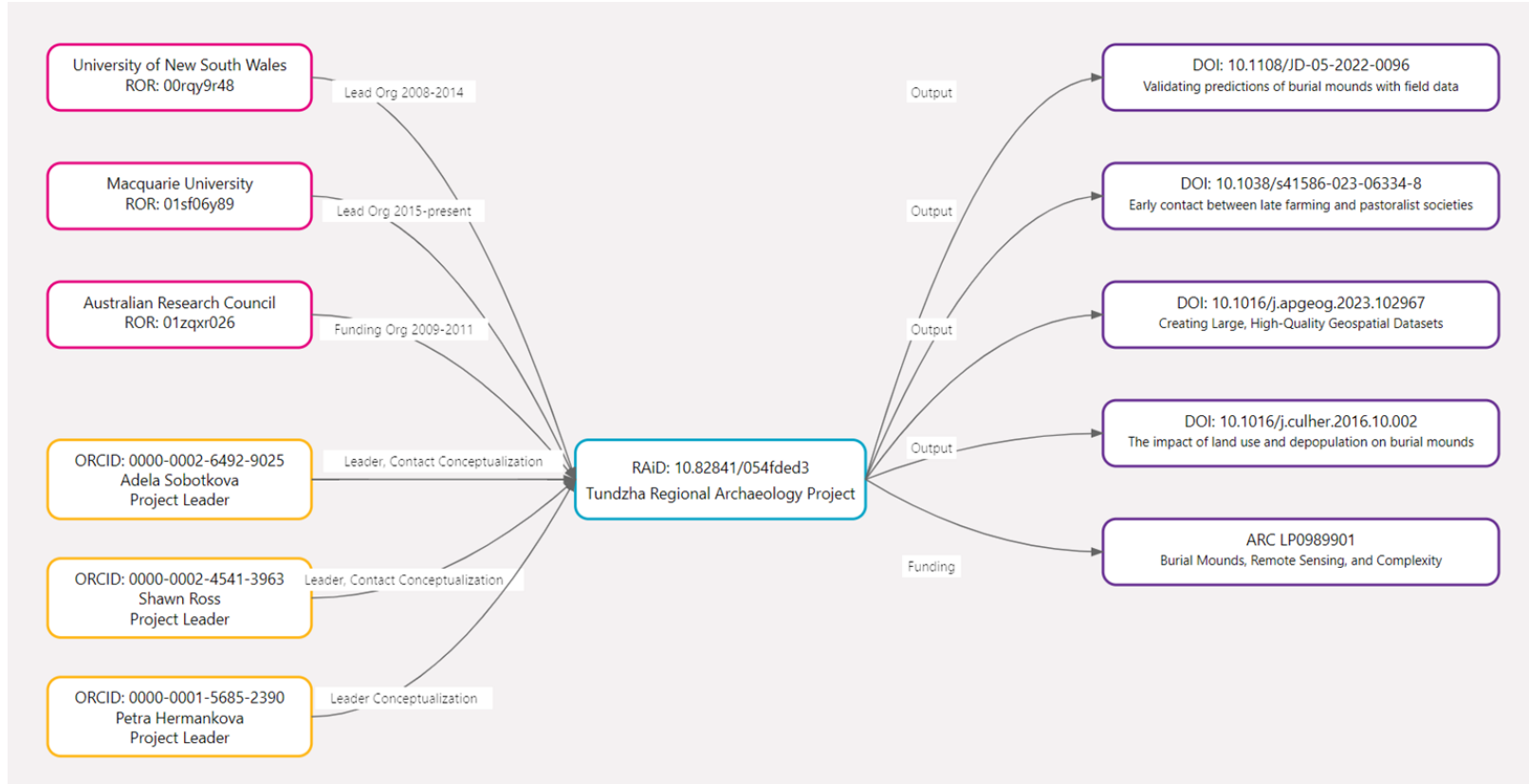
GET /raid/{prefix}/{suffix}/history A list of base64 encoded changes to the raid in JSON Patch (RFC 6902) format.  

Using RAiD as 'source of truth' for many systems



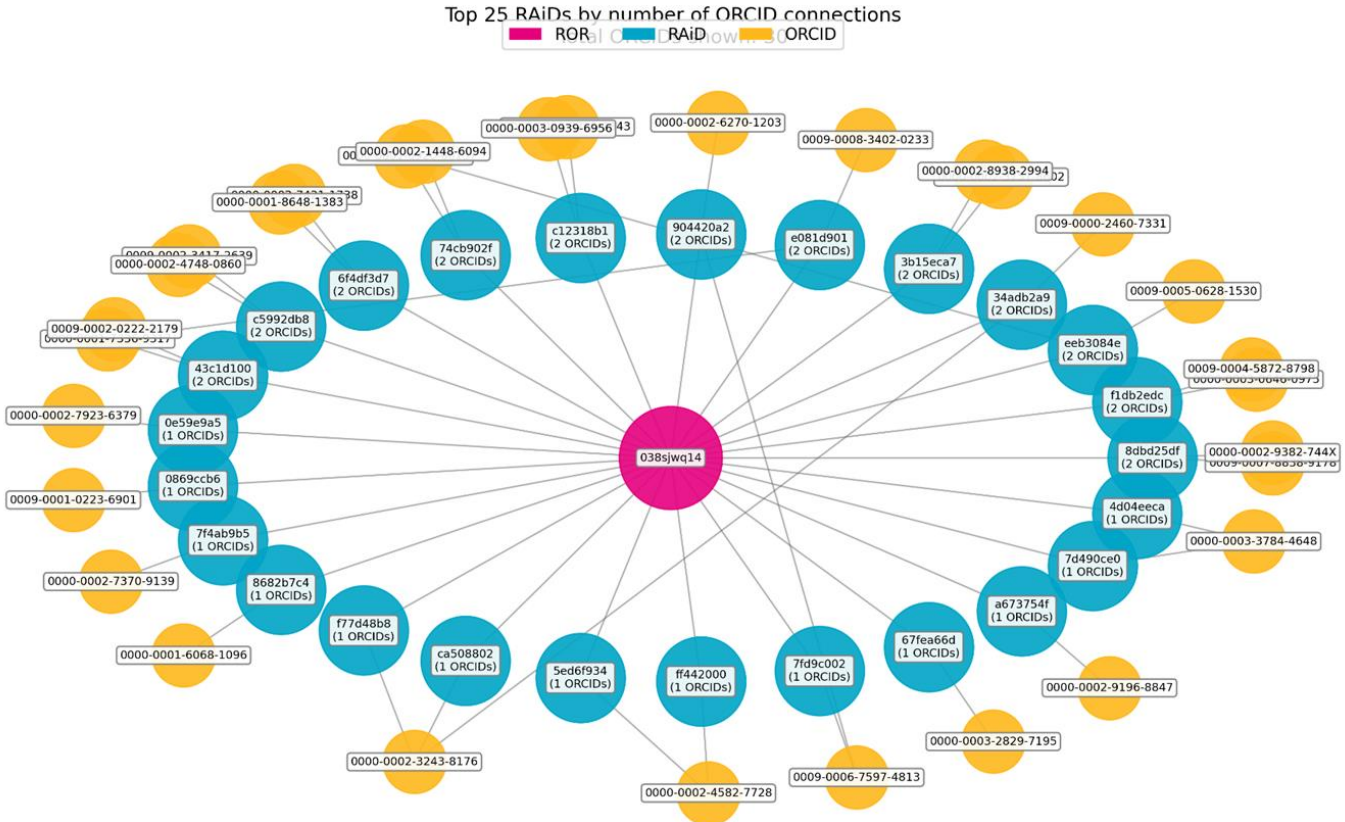
RAiD for reporting

RAiD reporting: Entities related to a RAiD



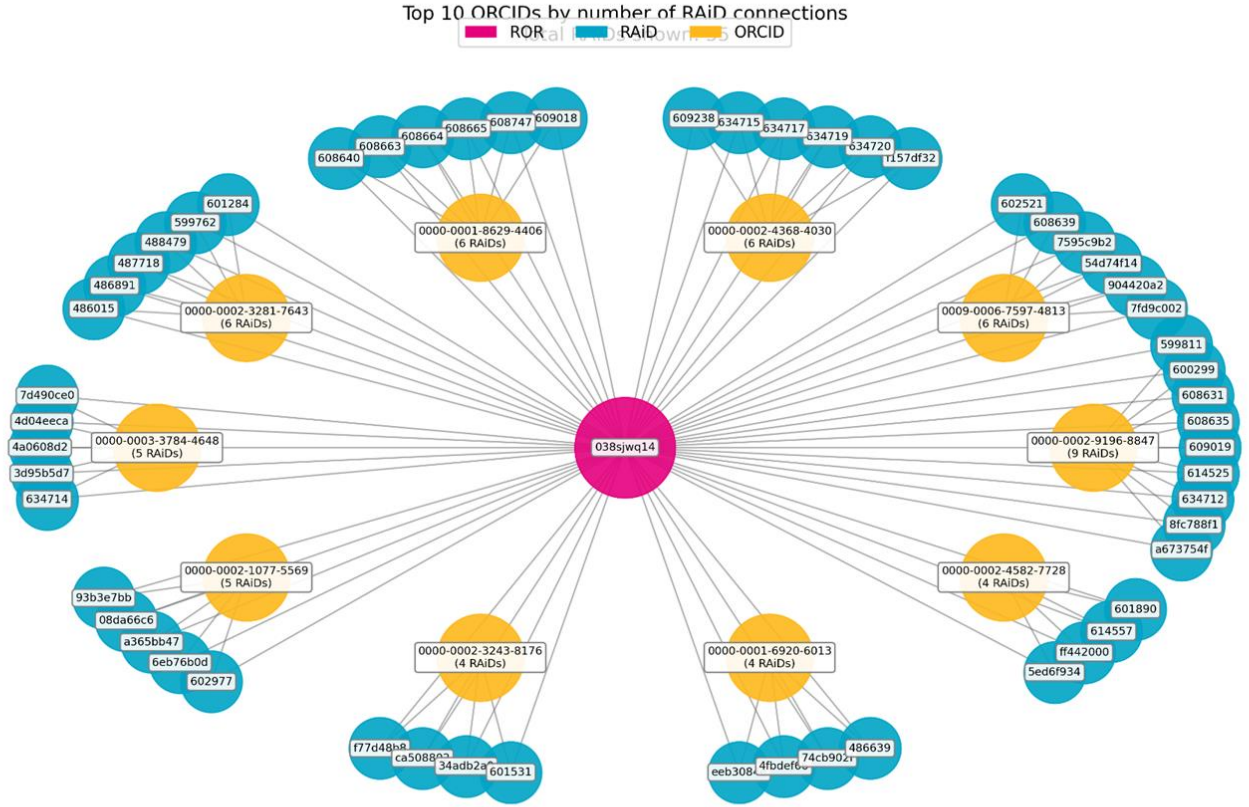
'What organisations and people are associated with a RAiD, and what are its outputs?'

RAiD reporting: RAiDs related to a ROR



'What projects are underway at UNDA, and who are the contributors?'

RAiD reporting: ORCIDiDs related to a ROR



'What researchers at my organisation are involved with the most projects?'

RAiD for research transparency

RAiD metadata structure

- 'Core', 'Extended', and 'Local' metadata
- Organised in 'blocks' that include related properties, controlled list schemas, dates, language.
- Metadata properties governed by controlled lists; typically follow the pattern of 'identifier' + 'schema'
- All free text has language attribute

RAiD metadata structure: Identifier and Title

Identifier

- Identifier: <http://raid.org/10.82841/054fded3>
- Registration Agency: <https://ror.org/038sjwq14> (Australian Research Data Commons)
- License: Creative Commons CC-0
- Version: 18

Titles

1. Text: Tundzha Regional Archaeology Project
 - Type: <https://vocabulary.raid.org/title.type.schema/5> (Primary)
 - Schema URL: <https://vocabulary.raid.org/title.type.schema/376> (Title Type schema)
 - Language: eng (English)
 - Start Date: 2008-01-01
2. Text: TRAP
 - <https://vocabulary.raid.org/title.type.schema/156> (Acronym) ...

RAiD metadata structure: Organisations

Organisations

1. <https://ror.org/03r8z3t63> (University of New South Wales)
 - Role: <https://vocabulary.raid.org/organisation.role.schema/182> (Lead Research Organisation)
 - Start Date: 2008-01-01 | End Date: 2014-12-31
2. <https://ror.org/05mmh0f86> (Australian Research Council)
 - Role: <https://vocabulary.raid.org/organisation.role.schema/186> (Funder) ...

RAiD metadata structure: Related Objects

Related Objects

1. Early contact between late farming and pastoralist societies in southeastern Europe
 - Type: Publication
 - Category: <https://vocabulary.raid.org/relatedObject.category.id/191> (Input)
2. <https://web.archive.org/web/20240709085358/https://dataportal.arc.gov.au/NCGP/Web/Grant/Grant/LP0989901> (ARC Linkage Project: Burial Mounds, Remote Sensing, and the Emergence of Complexity in Thrace (LP0989901))
 - Type: <https://vocabulary.raid.org/relatedObject.type.schema/272> (Grant)
 - Category: <https://vocabulary.raid.org/relatedObject.category.id/191> (Funding) ...

RAiD metadata structure: Version history

Version 18

10/29/2024, 5:26:54 PM UTC

 RESTORE

Op	Path	Value
add	/organisation/3	<pre>{ "id": "https://ror.org/01seepq35", "schemaUri": "https://ror.org/", "role": [{ "schemaUri": "https://vocabulary.raid.org/organisation.role.schema/359", "id": "https://vocabulary.raid.org/organisation.role.schema/184", "startDate": "2009-01-01", "endDate": "" }] }</pre>

RAiD links

- Web app (demo): <https://app.demo.raid.org.au/home> (authenticate and then request access to the 'RAiD AU' Service Point)
- API (Swagger): <https://api.demo.raid.org.au/swagger-ui/index.html#/> (API token available via the web app)
- View a RAiD's history:
<https://app.demo.raid.org.au/raids/10.82841/f4632eb2/history>
- Example RAiD: <https://static.test.raid.org.au/raid/10.82841/054fded3/>
- Metadata schema: <https://metadata.raid.org/>
- Controlled lists: <https://vocabs.ardc.edu.au/viewById/682>



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