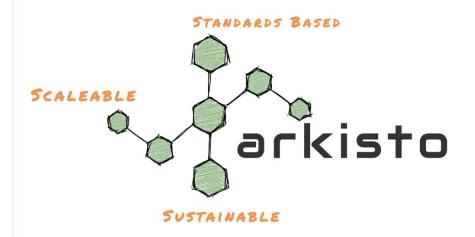
# HASS RDC Technical Advisory Group Meeting

LDaCA & ATAP Intro Peter Sefton - p.sefton@uq.edu.au



A scaleable, standards based platform for sustainable data.

The basis of Arkisto is that the long-term preservability of well-described data is always the first consideration.

Data on an Arkisto deployment is alway available on disc (or object storage) with a complete description *independently* of any services such as websites or APIs. Once the data is safe and well described, Arkisto has a flexible model for how data can be accessed using a variety of services.

Arkisto is built on top of Research Object Crate (RO-Crate) and the Oxford Common File System Layout (OCFL).

With Arkisto there is no messy data migration.

1.

2.

3.

3.1

3.2

3.3

3.3.1

3.4

3.5

3.5.1

## Oxford Common File Layout

**Specification** 

Recommendation 07 July 2020

This version:

https://ocfl.io/1.0/spec/

Latest published version: https://ocfl.io/latest/spec/

**Editors:** 

Andrew Hankinson (Bodleian Libraries, University of Oxford) Neil Jefferies (Bodleian Libraries, University of Oxford)

Rosalyn Metz (Emory University) Julian Morley (Stanford University)

Simeon Warner (Cornell University)

Andrew Woods (LYRASIS)

Additional Documents:

Implementation Notes

Validation Codes Extensions

Previous version:

https://ocfl.io/0.9/spec/

Repository:

This section is non-normative

Github

Issues

Commits

**Use Cases** 

OCFL logo: hand-drive by Patrick Hochstenbach is licensed under CC BY 2.0.

**OCFL Object** Object Structure

Object Conformance Declaration Version Directories

Content Directory

Digests Inventory

**Basic Structure** 

3.5.2 Manifest 3.5.3 Versions

3.5.4 Fixity 3.6 **Inventory Digest** 

TABLE OF CONTENTS

Conformance

Terminology

3.7 Version Inventory and Inventory Digest 3.8 Logs Directory

3.9 Object Extensions

**OCFL Storage Root** 4. Root Structure 4.1

4.2 Root Conformance Declaration

4.3 Storage Hierarchies 4.4 Storage Root Extensions

4.5 Filesystem features

5. Examples

5.1 Minimal OCFL Object

5.2 Versioned OCFL Object

5.3 Different Logical and Content Paths in an

OCFL Object 5.4 Baglt in an OCFL Object 5.5 Moab in an OCFL Object

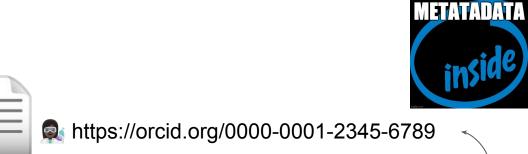
Evernole Extended OCEL Storage Boot

This document is licensed under a Creative Commons Attribution 4.0 License.

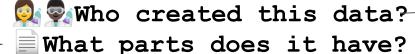
Introduction

ReSpec









When?

What is it about?

How can it be reused?

As part of which project?

Who funded it?

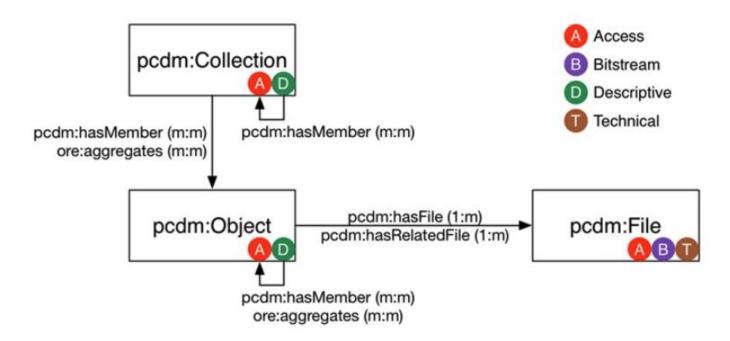
How was it made?







#### Portland Common Data Model



#### Collection of Australian Government Documents in six languages

Download all the metadata for Collection of Australian Government Documents in six languages in JSON-LD format Check this crate

## This RO-Crate contains an entire PCDM collection

#### Browse files Collection of Australian Government Documents in six languages

 @id
 arcp://name,multilingual.gov.au/corpus/root

 name [?]
 Collection of Australian Government Documents in six languages

 @type
 • Dataset • RepositoryCollection

description [?]

This dataset consists of documents created by government agencies in Australian which provide information to members of the Australian community. They originate as English text and also exist as translations into various other languages used in the Australian community. The initial dataset (12/2021) includes documents prepared by Services Australia (https://www.servicesaustralia.gov.au/) and by the Victorian Department of Health (Health Translations) in English, Arabic, Farsi. Turkish, Vietnamese and Chinese.

datePublished [?]

2022-01-10

author [?]

- Simon Musgrave
- Peter Sefton

hasFile [?]

copyrightNotice

Services Australia: Copyright in the documents in this collection is owned by the Commonwealth of Australia, represented by Services Australia. Content is licenced under a Creative Commons Attribution 3.0 Australia Licence, with the exception of: the Commonwealth Coat of Arms the Australian Government Services Australia logo any protected names and symbols under Commonwealth legislation any registered trade marks owned by the Commonwealth of Australia images content supplied by third parties, as identified. Full details of the licence terms are available on the Creative Commons website. The terms of use for the Coat of Arms are available from the Department of the Prime Minister and Cabinet website. Department of Health (Vic): Copyright in this website (including content and design) is owned by the State of Victoria or used under licence. You may make limited copies of this website in accordance with the Copyright Act 1968 (Ctrl., including copies for research, study, criticism, review or news reporting. You may not publish, reproduce, adapt, modify communicate or otherwise use any part of this website (in particular for commercial purposes).

hasPart [?]

- خشونت خام ادگی و خانگی (PDF) : Persian, Iranian (PDF)
- خشرنت خانرادگی و خانگی(PDF) : Persian, Iranian(TEXT) -to- Parenting Payment: Chinese, Mandarin (PDF)
- ▶ Parenting Payment: Chinese, Mandarin(TEXT) -to- Status Resolution Support Services payment: Persian, Iranian (PDF)
- ▶ Status Resolution Support Services payment: Persian, Iranian(TEXT) -to- Status Resolution Support Services payment: Chinese, Mandarin(TEXT)

license [?] Attribution 3.0 Australia (CC BY 3.0 AU)

RO-Crates MUST have licence information that sets out conditions for use/reuse of the data

#### Collection of Australian Government Documents in six languages

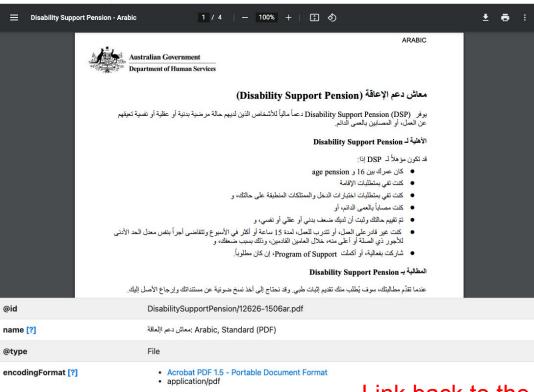
Download all the metadata for Collection of Australian Government Documents in six languages in JSON-LD format

#### DisabilitySupportPension

Check this crate

| @id         | arcp://name,multilingual.gov.au/item/DisabilitySupportPension  |
|-------------|--|
| name [?]    | DisabilitySupportPension   |
| @type       | <ul><li>RepositoryObject</li><li>ProceduralText</li></ul>  |
| author [?]  | CommonwealthGovernment   |
| hasFile [?] | <ul> <li>قامان دعم اللحاقة (PDF)</li> <li>أمعاش دعم اللحاقة (PDF)</li> <li>أمعاش دعم اللحاقة (PDF)</li> <li>DisabilitySupportPension: ORIGINAL English (TEXT)</li> <li>نام مسترى معلوال (PDF)</li> <li>برنامه مستمرى حمايتي معلوال (PDF)</li> <li>Engellilik Destek Emeklilik Maaşı: Turkish (PDF)</li> <li>Engellilik Destek Emeklilik Maaşı: Turkish (TEXT)</li> <li>Disability Support Pension: Vietnamese (PDF)</li> <li>Disability Support Pension: Vietnamese (TEXT)</li> <li>Disability Support Pension: Chinese, Mandarin (PDF)</li> <li>Disability Support Pension: Chinese, Mandarin (TEXT)</li> </ul> |

## 🛂 Download: معاش دعم اللعاقة: Arabic, Standard (PDF)



Link back to the container which has type RepositoryObject

dateModified [?] 2022-01-05T12:01:37+11:00

language [?] Arabic, Standard

translationOfWork [?] DisabilitySupportPension

size [?]

contentSize [?]

404819

404819

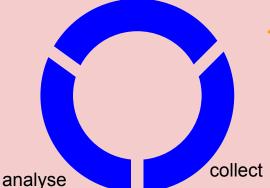
## Research Data Management Plan

#### Workspaces:

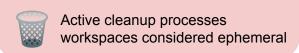
- working storage
- domain specific tools
- domain specific services

Reusable, Interoperable data objects

- → deposit early
- → deposit often



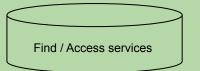
describe

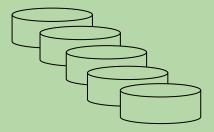




reuse data objects

Repositories: institutional, domain or both



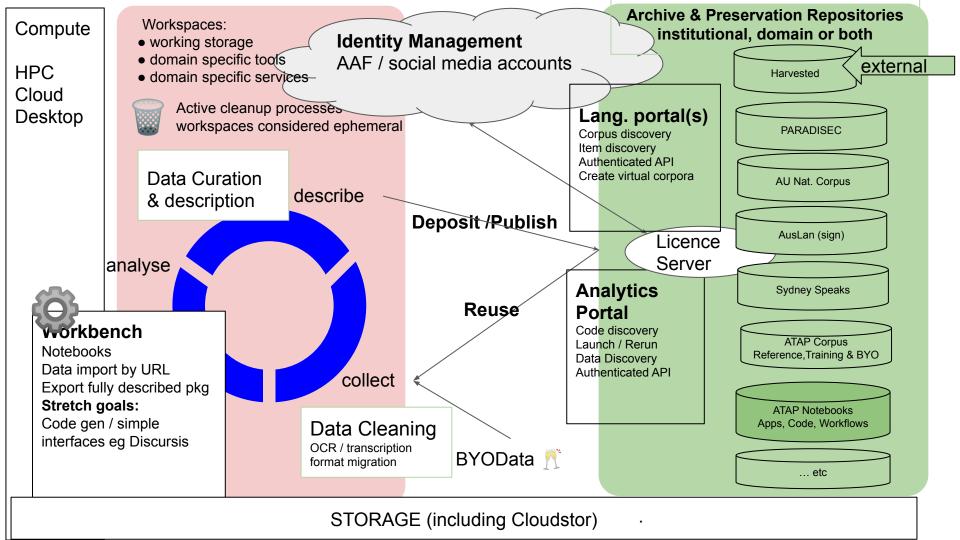


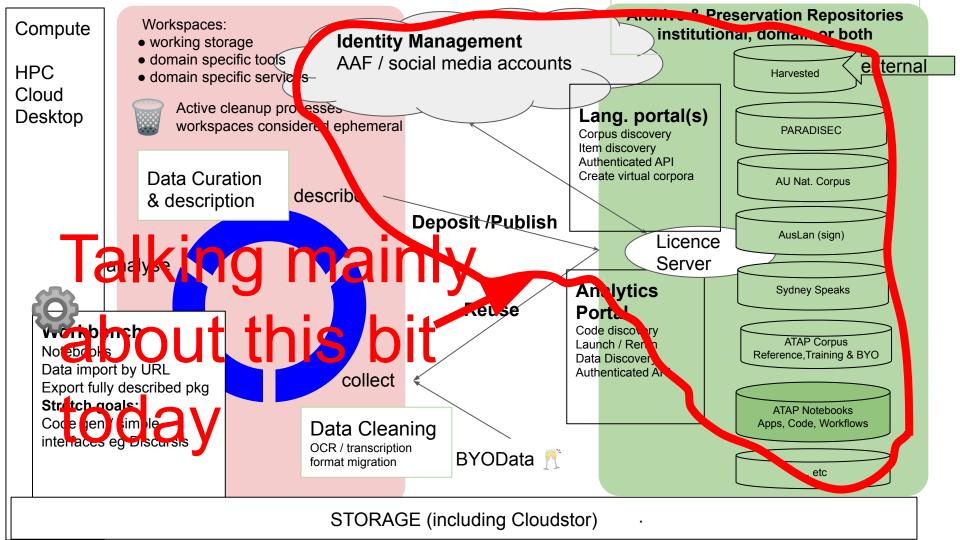
Findable, Accessible, Reusable data objects

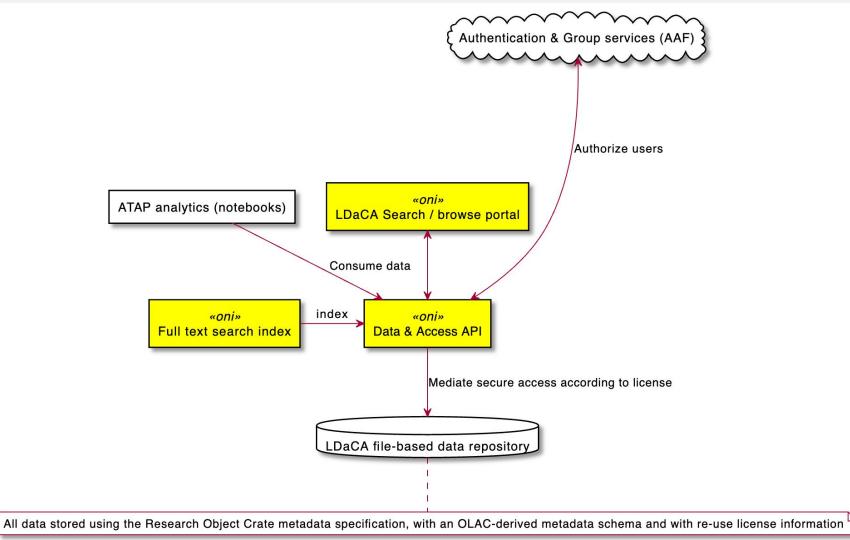


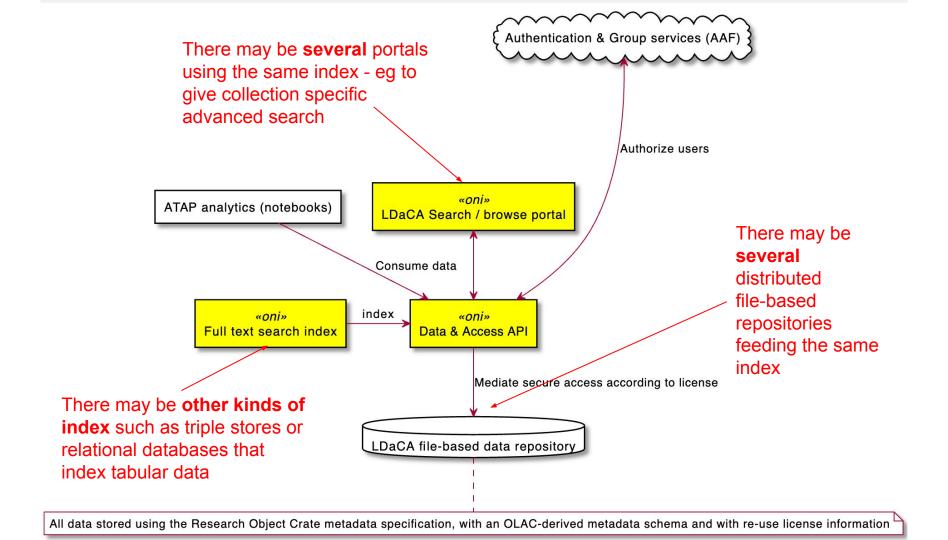
Policy based data management











#### Oni

- Oni
  - Start developing
  - Running the tests
  - Tech
    - Frontend VueJS and friends
    - Backend Restify and sequelize
- Repo layout
- Documentation

Oni consists of a VueJS SPA (ui) and restify JS backend (api). This repo structure is shared with Describo Online and the Nyingarn Workspace. Look there for more code.

#### Start developing

To get started developing copy configuration/example-configuration.json to configuration/development-configuration.json and edit as required.

> docker-compose up

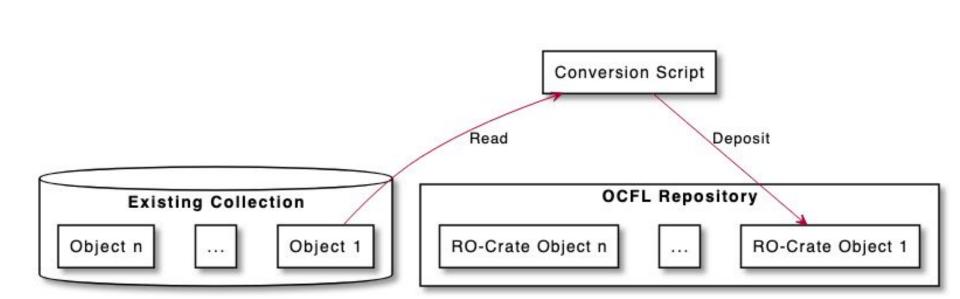
This will start the UI, API and db containers. It will automatically run npm install in both ui and api folders so you don't need to.

Saving UI and API code triggers auto reload.

#### Running the tests

- Find the api container ID: dps | grep api | awk '{print \$1}'
- $\bullet$  Exec into the container: docker exec -it  $CONTAINER\ ID\ bash$
- Run the Jest Testing environment: npm run test:watch

When you save a test file the tests will re-run automatically. Saving a changed code file (ie not a test file) does not re-run the tests.

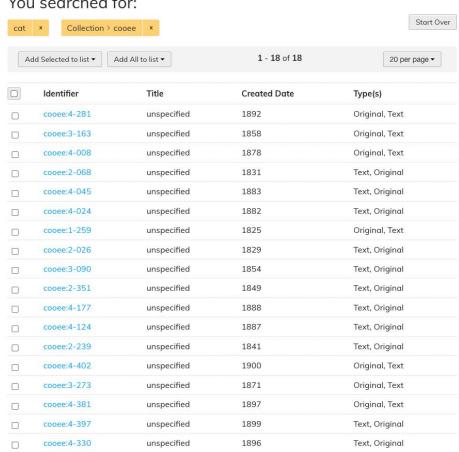


| results for <b>all</b> repositories matching <b>corpus-tools</b> sorted by <b>last updated</b>  |    |
|---|----|
| corpus-tools-cooee Private  | 40 |
| Corpus prep tools for the COEEE corpus (using the spreadsheet that comes with the corpus)   |    |
| ● JavaScript 전 GPL-3.0 왕 0 ☆ 0 ⊙ 2 \$\$ 0 Updated now   |    |
| corpus-tools-farms-to-freeways Private  |    |
| Node scripts to build an Arkisto-ready language data collection from the "From Farms to Freeways" history project data.                     |    |
| . JavaScript 4型 GPL-3.0 学0 ☆0 ① 0 \$\$ 0 Updated 2 minutes ago  |    |
| corpus-tools-python3-soffice (Public)   |    |
| Docker container with LibreOffice and Python 3 for data massaging of word processing files, eg.doc -> .docx, .docx -> .pdf, or .pdf -> .svg |    |
| 화 GPL-3.0 약0 ☆0 ⊙0 『\$0 Updated 5 days ago  |    |
| corpus-tools-gov.au-multilingual (Private)  |    |
| Node tools to prepare an Arkisto repository with parallel translations of Australian Government documents                                   |    |
| ● JavaScript 4호 GPL-3.0 왕0 ☆0 ⊙0 \$\$\ 0 Updated 19 days ago  |    |
| corpus-tools-sydney-speaks (Private)  |    |
| Node tools to prepare an Arkisto repository with language data from the Sydney Speaks project   |    |
| ● JavaScript 4型 GPL-3.0 紫の ☆の ⊙の ╏0 Updated on 16 Dec 2021  |    |
| corpus-tools-monash-coe (Private)   | ~^ |
| Corpus tools to prepare the Monash Corpus of English for ingest into RO-Crate and OCFL  |    |
| ● JavaScript 4 GPL-3.0 学0 ☆0 ⊙0 \$\$0 Updated on 8 Dec 2021   |    |
| compus tools alves overet Private   |    |
| COLDRIS-1001S-91/60-EXPORT (File)   |    |
| Corpus-tools-alveo-export (Private)  Node tools to export Alveo collections as Arkisto-ready repository objects                             |    |

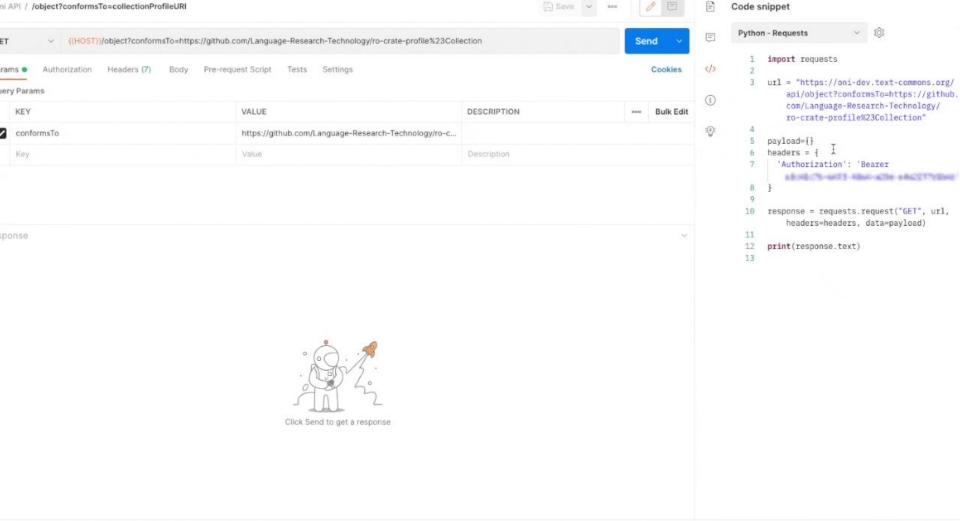
#### PIC (

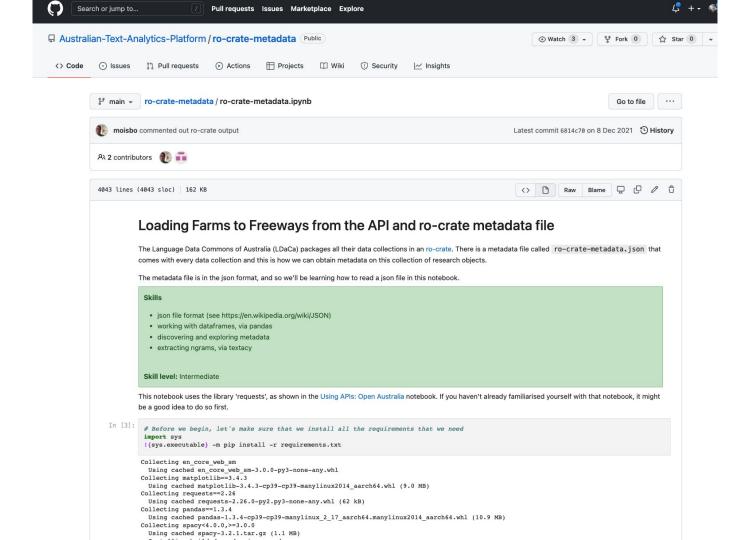


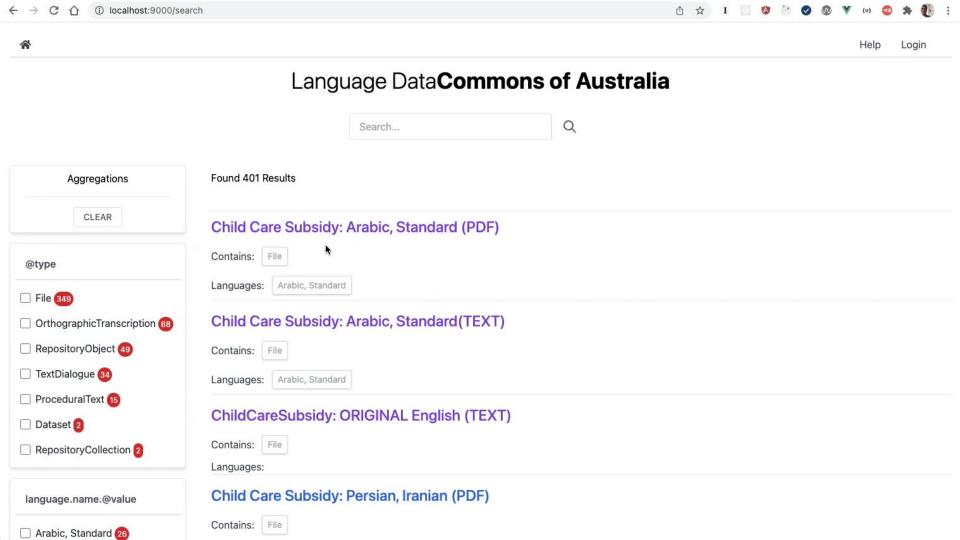
#### You searched for:



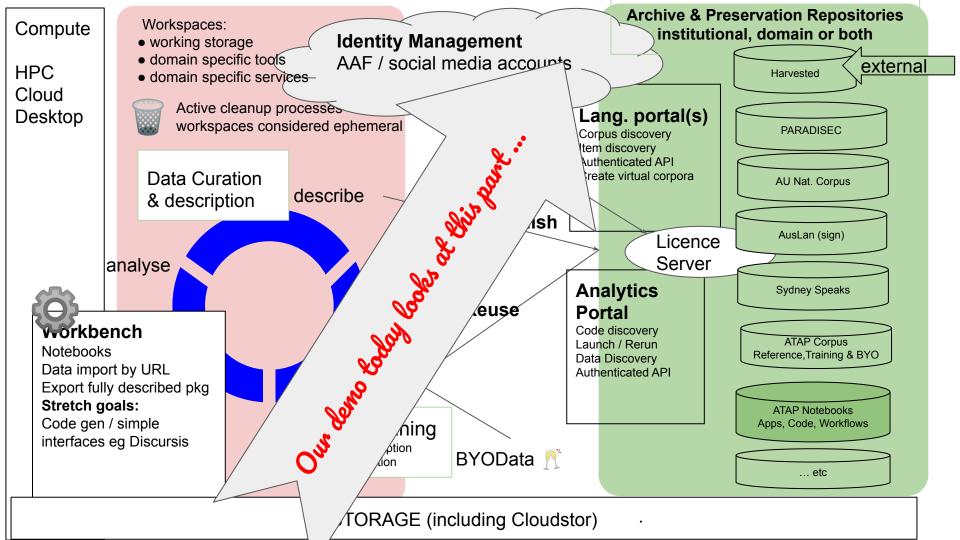
| Mode                  |    |
|-----------------------|----|
| Speech Style          | ~  |
| unspecified           | 18 |
| Publication Status    | ~  |
| unspecified           | 18 |
| Written Mode          | ~  |
| unspecified           | 18 |
| Interactivity         | ~  |
| unspecified           | 18 |
| Communication Context | ~  |
| unspecified           | 18 |
| Communication Medium  | ~  |
| unspecified           | 18 |















## CARE Principles for Indigenous Data Governance

The CARE Principles for Indigenous Data Governance can be downloaded here in summary or full

The CARE Principles in Spanish - CREA para la Gobernanza de Datos Indigenas

The CARE Principles in Vietnamese - Các nguyên tắc CARE đối với quản trị dữ liệu bản địa

CARE Principles for Indigenous Data Governance The current movement toward open data and open science does not fully engage with Indigenous Peoples rights and interests. Existing principles within the open data movement (e.g. FAIR: findable, accessible, interoperable, reusable) primarily focus on characteristics of data that will facilitate increased data sharing among entities while ignoring power differentials and historical contexts. The emphasis on greater data sharing alone creates a tension for Indigenous Peoples who are also asserting greater control over the application and use of Indigenous data and Indigenous Knowledge for collective benefit.

#### **Protocol Labels**

Protocol Labels outline traditional protocols associated with access to this material and invite viewers to respect community protocols.



TK Men Restricted



TK Women Restricted



TK Culturally Sensitive



TK Secret / Sacred



TK Verified



TK Non-Verified



TK Seasonal



TK Women General



TK Men General



Search







iTunes

About Us | Our Team | Research | Education & Outreach | News & Events | Publications & Seminars | Work with Us



People

Sydney Speakers

News & Events

Dissemination

Corpora

Sydney Speaks Apps





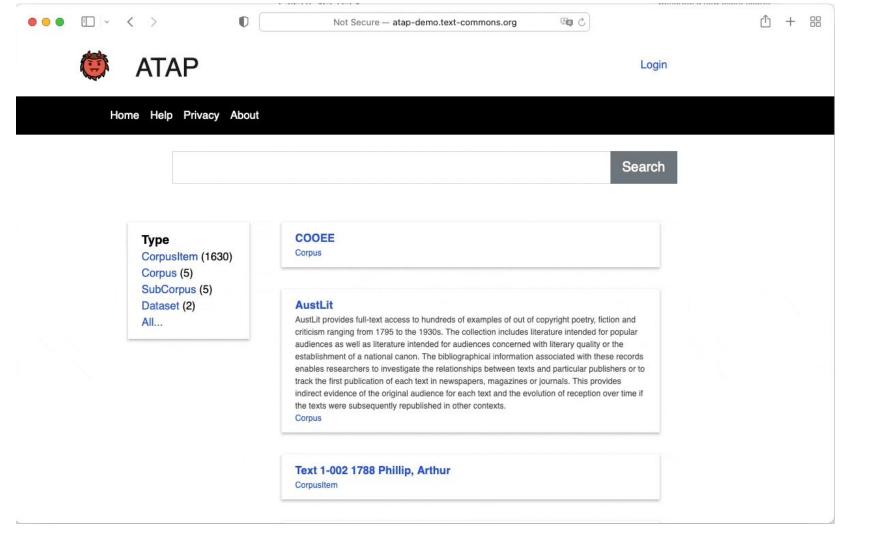
#### SYDNEY SPEAKS PROJECT

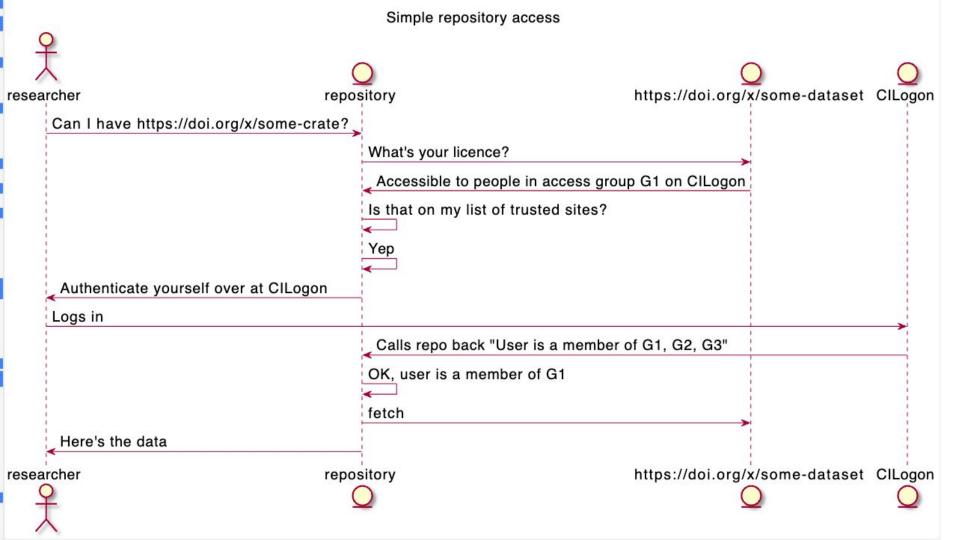
Sydney Speaks: Language variation and change in a diverse society

This project seeks to document and explore Australian English, as spoken in Australia's largest and most ethnically and linguistically diverse city — Sydney. The title "Sydney Speaks" captures a key defining feature of the project: the data come from recorded conversations between Sydney siders, as they tell stories about their lives and experiences, their opinions and attitudes. This allows us to measure how their lived experiences impact their

### Sydney Speaks Licenses

- Data can be used by other researchers and excerpts can be played in A public settings
  - Data can be used by other researchers and excerpts cannot be
- B played in public settings
- C No access (no consent for sharing with other researchers)
  - Data unavailable (not anonymised, transcription incomplete, no
- D consent for including audio in web-based projects)





#### **TODO**

- Scope the infrastructure we need to support this (need more clarity on what data we will have and where it will be housed)
- Improve our testing for scale and implement Continuous Integration so we don't break things with every new Corpus that comes on board
- Pick our metadata terms we will probably build on the OLAC (Open Language Archives) vocabularies - but there are other options such as the CLARIN (Eu) vocabs
- Integrate better with the Australian Text Analytics Platform ATAP eg fire up a notebook from the search portal to operate on a collection of interest