



Australian Research Data Commons

# FAIR Data 101 Express

a virtual course in the FAIR data principles

PRESENTED BY

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Speakers: Rowan Brownlee and Catherine Brady



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# Interoperable today!

- Rowan Brownlee
- Catherine Brady
- Q&A



**Rowan Brownlee**

**Australian Vocabularies Special Interest Group**

# Earth and Environmental Science Contributors



## International Commission on Stratigraphy



National Environmental Information Infrastructure

# Problem

The level of community or domain endorsement per vocabulary is unclear

- “We have authoritative datasets but are there authoritative vocabularies (community endorsed vocabularies?), and if so, how are they identified within a vocabulary service?”

2019 service review. Quote from user

# Approach

## Vocabulary selection/endorsement

Engage with the earth sciences research community to publish a vocabulary pathfinder. Review approach and outputs for applicability to other research domains.

## Vocabulary governance & content

Extensions to vocabulary metadata schema to support the capture and display of detailed vocabulary governance information.



2019 service review. Extracts from development roadmap  
Australian Research Data Commons

# Example

The screenshot shows a search interface with a search bar containing 'borehole'. Below the search bar, there are two tabs: 'Vocabularies (13)' and 'Concepts, etc. (65)'. The results are listed in three sections, each with a green arrow pointing to it from the left:

- Section 1:** **Borehole**  
IRI: <http://pid.geoscience.gov.au/def/voc/ga/featureofinteresttype/borehole>  
**Borehole** (in SKOS prefLabel)  
**BOREHOLE** (in SKOS altLabel)  
A **borehole** may have many purposes (eg, petroleum, mineral, or groundwater exploration or production; stratigraphic o  
**Vocabulary:** Feature of Interest Type Last updated: 2017-11-08T05:21:32Z  
**Vocabulary publisher:** Geoscience Australia  
**Version:** v0.1 (current)  
[View resource details](#) [View resource as linked data](#)
- Section 2:** **Borehole**  
IRI: <http://vocabulary.odm2.org/samplingfeaturetype/borehole>  
**Borehole** (in SKOS prefLabel)  
A **borehole** includes the hole cavity and walls surrounding that cavity (in SKOS definition)  
**Vocabulary:** IGSN Codelist Last updated: 2018-03-07T05:55:04Z  
**Vocabulary publisher:** Geoscience Australia  
**Version:** v1.0 (current)  
[View resource details](#) [View other versions](#) [View resource as linked data](#)
- Section 3:** **borehole**  
IRI: <http://pid.geoscience.gov.au/def/voc/ga/geology/borehole>  
**borehole** (in SKOS prefLabel)  
**Boreholes** or data surveyed in **boreholes** (in SKOS definition)  
**Vocabulary:** Geology Last updated: 2017-09-19T00:36:35Z  
**Vocabulary publisher:** Geoscience Australia  
**Version:** v1.0 (current)  
[View resource details](#) [View resource as linked data](#)

Below these are two more sections:

- Section 4:** **BOREHOLES**  
IRI: <http://gcmdservices.gsfc.nasa.gov/kms/concept/5a63fa7f-2971-4874-a920-394df07d218e>  
**BOREHOLES** (in SKOS prefLabel)  
**Boreholes** are holes drilled deep into the ground (or ocean crust). Profiles of rock temperatures with depth can be relate SKOS definition)
- Section 5:** **Vocabulary:** Global Change Master Directory - Science Keywords Last updated: 2019-08-27T01:33:46Z  
**Vocabulary publisher:** National Aeronautics and Space Administration (U.S.)  
**Version:** 8.1 (current)  
[View resource details](#) [View resource as linked data](#)



Exploring an approach to community consultation. An example via the National Earth and Environmental Science Facilities Forum (NEESFF)



**Catherine Brady**

**Data and Services, ARDC**

# In the meanwhile

- Any issues please contact [nichola.burton@ardc.edu.au](mailto:nichola.burton@ardc.edu.au)
- Stay in touch until then on the slack
  - **#general** introduce yourself and get to know the other learners in this course
  - **#discussion** dive into specific threads
  - **#silly** share a gif, or a meme, or terrible FAIR puns



# Feedback



how is this going for you?

Photo by [Wynand van Poortvliet](#) on [Unsplash](#)



## CONTACT

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