

Australian Research Data Commons

Findable

#FAIR101 #ARDCtraining Webinar 1

PRESENTED BY

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Code of Conduct

To ensure that everyone has a fulfilling learning opportunity, FAIR Data 101 is governed by a Code of Conduct.

You can view the Code at tiny.cc/code-conduct

If you observe a breach of the Code of Conduct, please contact us using the form linked in the Code.



Today's agenda

- What to expect from the FAIR Data 101 course
- A quick introduction to F, A, I and R
- The drivers of the FAIR Principles
- Findable Part I



Housekeeping

Four modules for each of Findable, Accessible, Interoperable, Reusable

Each module consists

2 x 45 minute webinars in week one

~30 minutes of activities

1 x 50 minute community discussion in week two

1 x Quiz

Slack workspace - join at tiny.cc/fair-101-slack



Slack for newcomers

A Slack workspace allows for many channels

You will automatically join two channels:

- #general
- #introductions

Turn on email notifications at:

https://fairdata101.slack.com/account/notifications



Where did this all start?

Wilkinson, M. D. *et al.* (2016) The FAIR Guiding Principles for scientific data management and stewardship. *Sci. Data* 3:160018, https://doi.org/10.1038/sdata.2016.18



More nuanced



More clear



More machines



Findable

Accessible

Interoperable



n 11

Importantly, it is our intent that the principles apply not only to 'data' in the conventional sense, but also to the algorithms, tools, and workflows that led to that data.

All scholarly digital research objects—from data to analytical pipelines—benefit from application of these principles, since all components of the research process must be available to ensure transparency, reproducibility, and reusability.

Wilkinson et al.

But

Metadata and data should be easy to find for both humans and computers.



F1: (Meta)data are assigned **globally unique** and **persistent** identifiers



It is acceptable for data and its associated metadata to have the same PID



553721D2E190D





10.4225/06/553721D2E190D



10.4225/06/553721D2E190D DOI handle



10.4225/06/553721D2E190D ARDC



10.4225/06/553721D2E190D Curtin University



10.4225/06/553721D2E190D Local identifier





Infrastructure and governance



Not all PIDs are created equal

- Researcher ID (owned and controlled by for-profit corporation)
- Author ID (owned and controlled by a for-profit corporation)
- ORCiD (owned and controlled by a member-based nonprofit organisation)



If you liked it then you should've put a PID on it

- People
- Projects
- *Digital* objects
- Physical objects
- Equipment



Put a PID on everything?



And a PID for every purpose under heaven

- People ORCiD
 - o https://orcid.org/
- Projects RAiD
 - o https://www.raid.org.au/
- Digital objects DOI
 - o https://ardc.edu.au/services/identifier/doi/
- Physical samples IGSN
 - o <u>https://ardc.edu.au/services/identifier/igsn/</u>
- Equipment Handles?
 - O Identifiers for Instruments in Australia (i4iOz) https://tiny.cc/i4ioz



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IGSN: IECUR000V









IECUR000V.classification.png

(primary image)



IECUR000V

Sample Name: 206995H

Other Name(s):

Sample Type: Rock Powder

Parent IGSN: Not Provided

Description

Description:

Comment:

Material: Rock

IGSN:

Classification: Igneous>Volcanic>Felsic

Field Name: Edmund Basin

> Very good blocky outcrop of fine-to mediumgrained dolerite with lots boulders at the hill

slope. Dolerite has variable alteration, some

rocks are pale-greenish with chlorite

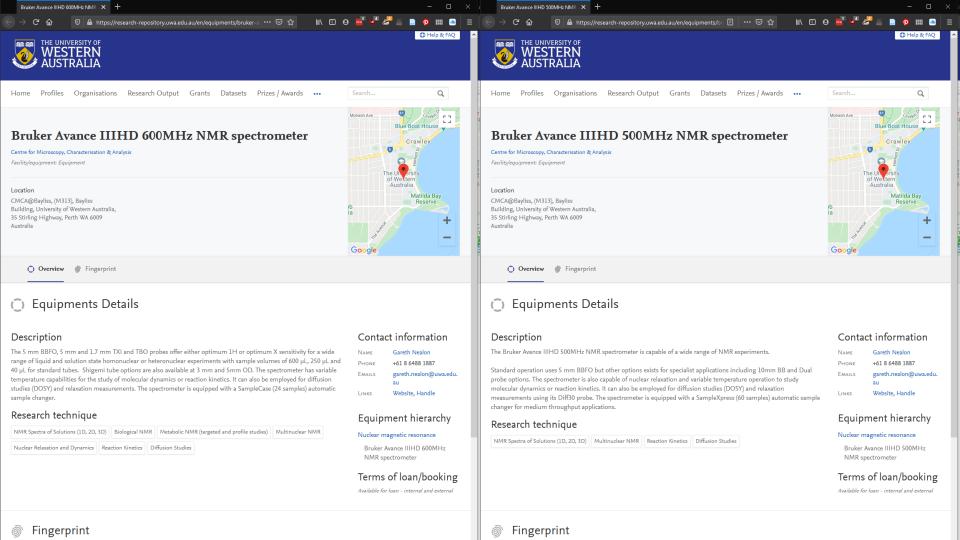
alteration. Dolerite contains very coarsegrained to pegmatitic patches and vein

Age (min): 1079 million years (Ma) Age (max): 1089 million years (Ma)

Collection Method: Not Provided Collection Method Description: Not Provided Size: Not Provided

 $1084 \pm 5 Ma$ Geological Age: Geological Unit: Not Provided

Not Provided



What's next?

Signing up for Community Discussions - every two weeks starting next week

- Tuesdays 10:00 AWST / 11:30 ACST / 12:00 AEST
- Tuesdays 12:00 AWST / 13:30 ACST / 14:00 AEST
- Wednesdays 9:00 AWST / 10:30 ACST / 11:00 AEST

Findability part 2 with Liz Stokes

Wednesday 12:00 AWST / 13:30 ACST / 14:00 AEST





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