



Australian Research Data Commons

# FAIR Data 101 Express

a virtual course in the FAIR data principles

PRESENTED BY

Host: Matthias Liffers

Speakers: Steve McEachern, Melanie Barlow, and Nichola  
Burton



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# Accessible today!

- Dr Steven McEachern
- Melanie Barlow
- Dr Nichola Burton
- Q&A

**Dr Steven McEachern**

**Director and Manager, Australian Data Archive**

# About the Australian Data Archive



- ADA was set up as the Social Science Data Archive in 1981, housed in the Research School of Social Sciences at ANU, with a mission to collect and preserve Australian social science data on behalf of the social science research community
- The Archive holds over 5000 datasets from around 1500 studies, including national election studies; public opinion polls; social attitudes surveys, censuses, aggregate statistics, administrative data and many other sources.
- Data holdings are sourced from academic, government and private sectors.

# Accessing data

<https://ada.edu.au/accessing-data/>

Steps in accessing data:

- Finding studies
- Viewing study and variable information
- Analysing data
- Downloading data

## **Access conditions in ADA:**

The Australian Data Archive is committed to providing open access to Australian and international research data for research and education purposes. This open access commitment however is balanced against our obligations to the original participants in these research studies.

## Access conditions

- **OPEN ACCESS:** studies where there are no restrictions on access
- **GENERAL ACCESS:** studies with controlled data access managed by the ADA on behalf of the depositor
- **RESTRICTED ACCESS:** studies where the depositor, or an authorised representative, wishes to be informed by the Archive of each request to use the data in order to give or withhold permission.
- **SPECIAL ACCESS:** studies where the depositor has included additional special access conditions.

## To contact ADA:

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<http://ada.edu.au>

**Melanie Barlow**

**Data Consultant, ARDC**





Australian Research Data Commons

# FAIR, Accessible, and ARDC Services

PRESENTED BY

Melanie Barlow

## Fair Principles for Data and related Resources - Accessible

A1 (meta)data are retrievable by their identifier using a standardized communications protocol.

A1.1 the protocol is open, free, and universally implementable.

A1.2 the protocol allows for an authentication and authorization procedure, where necessary.

A2 metadata are accessible, even when the data are no longer available.

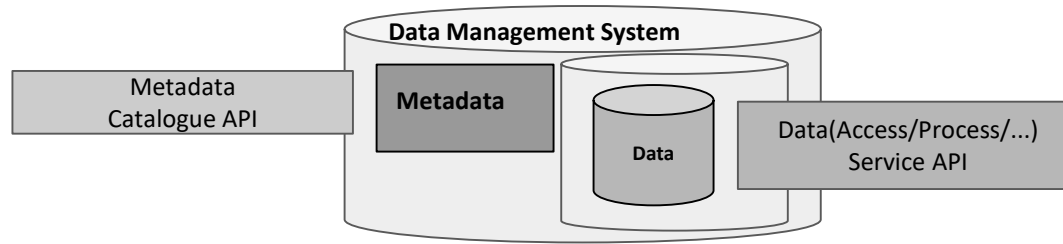
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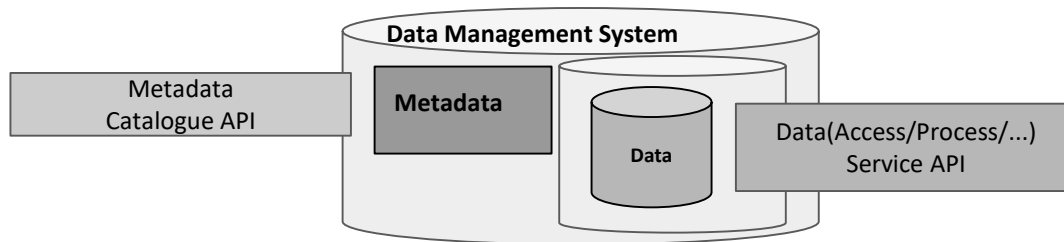
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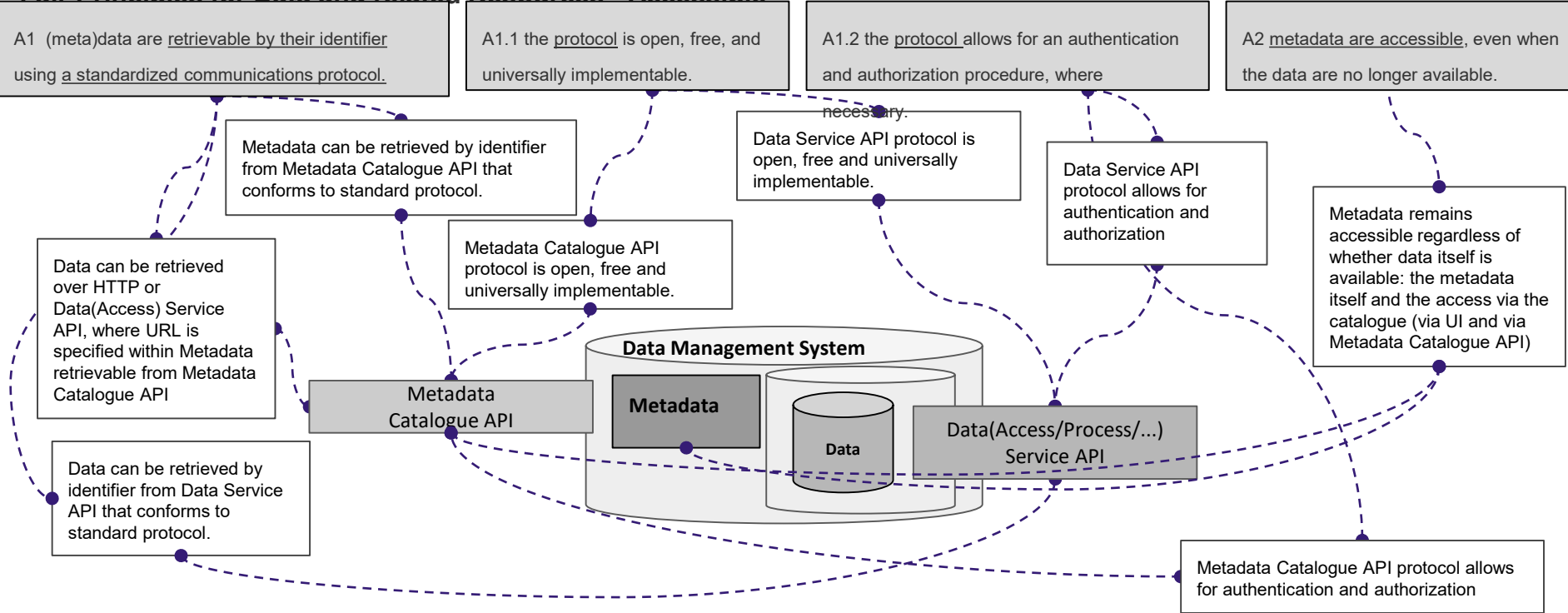
Nectar Research Cloud

Research Data Australia

Identifier Services

Research Vocabularies Australia

# Fair Principles for Data and related Resources - Accessible



Data and Metadata, Stores and Registries, Services and Platforms located in Nectar Research Cloud

Metadata discoverable in RDA and data download link or Data Service API included within Metadata.

Identifiers for Metadata, Services, Data, Samples, Instruments, Publications, ... obtained via Identifier Services

Vocabularies and their URIs can be managed and retrieved from Research Vocabularies Australia

Nectar Research Cloud

Research Data Australia

Identifier Services

Research Vocabularies Australia

## Nectar Research Cloud

Data and Metadata, Stores and Registries, Services and Platforms located in Nectar Research Cloud

ARDC's Nectar Research Cloud is Australia's first federated research cloud. This service provides Australia's research community with fast, interactive, self-service access to computing infrastructure, software, and data, and is a powerful platform for collaboration

The Nectar Research Cloud's self-service structure allows researchers to store, access, and analyse their own data at any time, create dedicated virtual servers on demand, and collaborate with others from their desktop in a fast and efficient way.

Over one million virtual machines have been spun up by more than 18,000 researchers from all of the main research institutions in Australia and across all categories of research (all 22 top-level Field of Research codes).

Find out more about our research cloud

[View Now](#) 

Access our research cloud

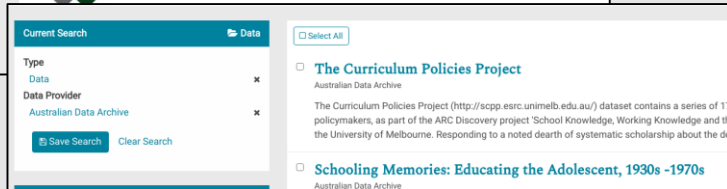
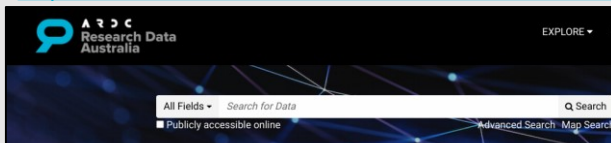
[View Now](#) 



# Refreshing research cloud storage and compute infrastructure


Metadata discoverable in RDA and data download link or Data Service API included within Metadata.

<https://researchdata.edu.au/contributors/australian-data-archive>



<https://researchdata.edu.au/search#!/group=Australian%20Data%20Archive/class=collection>





## Landcover 25 - Water Space - WOFS)

Geoscience Australia  
Mueller, N. ; Lewis, A. ; Roberts, D

**Access Rights attributes**

Access Rights Type

An Access Rights Type is optional. If used, preferably specify a type from the Access Rights Type vocabulary:

Type	Explanation
Open	Data is publicly accessible online
Conditional	Data is publicly accessible subject to certain conditions. For example: <ul style="list-style-type: none"> <li>a fee applies</li> <li>the data is only accessible at a specific physical location</li> </ul>
Restricted	Data access is limited. For example: <ul style="list-style-type: none"> <li>during an embargo period</li> <li>to a particular group of users</li> <li>where formal permission is granted</li> </ul>

**Related People**

- Author [Ip, A.](#)
- Author [Lewis, A.](#)
- Author [Lymburner, L.](#)
- Custodian [Manager Client Services](#)
- Author [Mueller, N.](#)

View all 10 related people

**Related Services**

- Supports [Open Layers access interface to the WOFS web services](#)


<https://documentation.ardc.edu.au/display/DOC/Access+rights>

supports [Open Layers access interface to the WOFS web services](#)

Supports **Open Layers access interface to the WOFS web services**

Identifier:  
URI : <http://eos.ga.gov.au/geoserver/NFRIP-WOFS/wms>

<https://researchdata.edu.au/landcover-25-water-space-wofs/1278454>




**Creating Metadata For Impact**

Make RIF-CS Work For You



**Getting Started**

What is Metadata?  
About RIF-CS  
RDA Collection Policies



**Providing Records To RDA Registry**

Get access to the RDA Registry  
Add a Record (web | video)  
Practice in RDA Demo

<https://documentation.ardc.edu.au/display/DOC/Content+Providers+Guide>

## Identifier Services

Identifiers for Metadata, Services, Data, Samples, Instruments, Publications, ... obtained via Identifier Services

# Identifier services

<https://ardc.edu.au/services/identifier/>



Digital Object Identifier services



International Geo Sample Number



Handle service



Research Activity Identifier



Australian Research Data Commons

All Fields Search for Data

Publicly accessible online

Advanced Search Ma



BJM01-133 - Elicitation of Crow and Jackal picture task, Pear Story, Frog Story, and the North Wind and the Sun

PARADISEC

Dataset

Viewed: 5

### Identifiers

DOI : [10.26278/5f46890c2c512](https://doi.org/10.26278/5f46890c2c512)

Local : BJM01-133

URI : <http://catalog.paradisec.org.au/repository/BJM01/133>

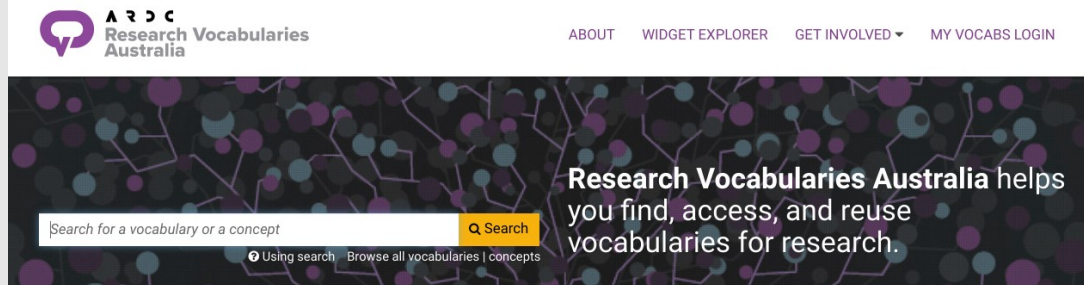
Access the data

Access data via landing page  
<https://dx.doi.org/10....>



## Research Vocabularies Australia

Vocabularies and their URIs can be managed and retrieved from Research Vocabularies Australia



The screenshot shows the homepage of Research Vocabularies Australia. At the top left is the ARDC logo and the text 'Research Vocabularies Australia'. To the right are navigation links: 'ABOUT', 'WIDGET EXPLORER', 'GET INVOLVED', and 'MY VOCABS LOGIN'. Below the navigation is a dark banner with a network diagram background. On the left of the banner is a search bar with the placeholder text 'Search for a vocabulary or a concept' and a yellow 'Search' button. Below the search bar are links for 'Using search' and 'Browse all vocabularies | concepts'. On the right of the banner is the text: 'Research Vocabularies Australia helps you find, access, and reuse vocabularies for research.'



### Publish a vocabulary

Upload, describe and publish your vocabularies to Research Vocabularies Australia



### Use a vocabulary

Understand how you can utilise Research Vocabulary Australia vocabularies



### Explore widgetable vocabularies

Discover vocabularies that can be readily used in your system using our vocabulary widget

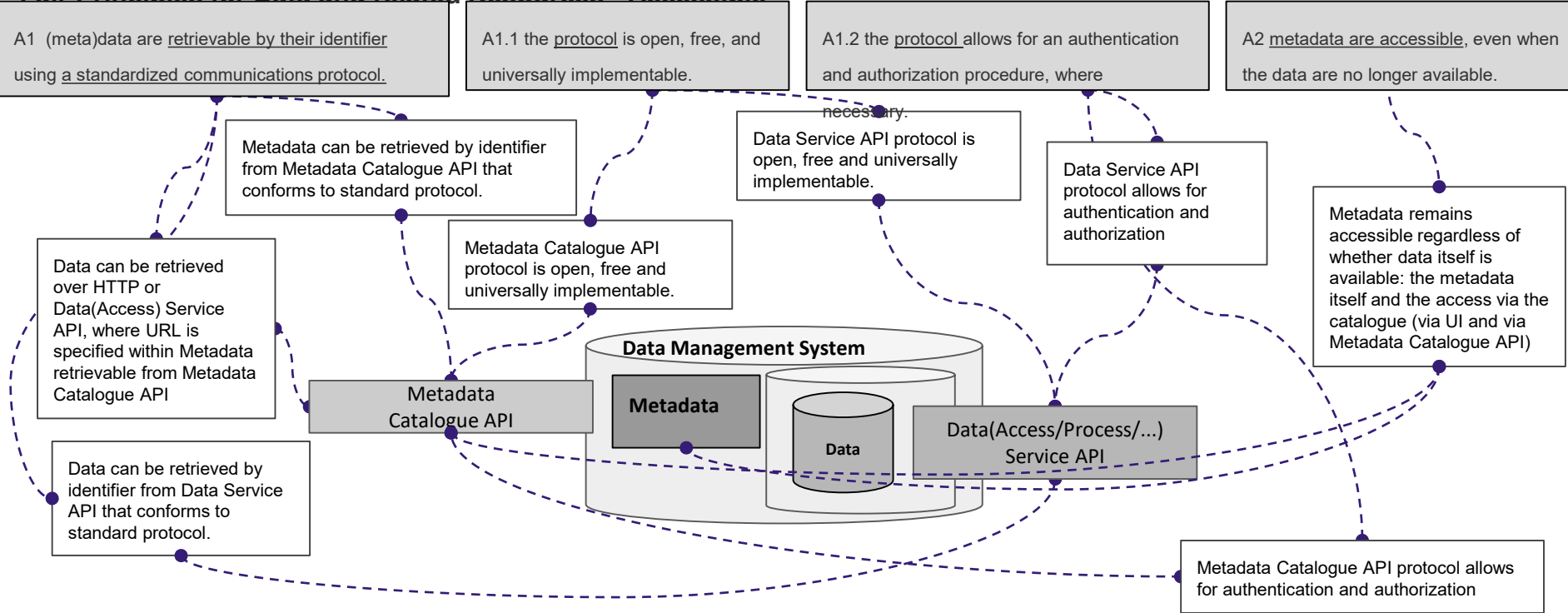


### Provide feedback

Help Research Vocabularies Australia to grow into a comprehensive vocabulary portal

<https://vocabs.ardc.edu.au/>

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**Dr Nichola Burton**

**Data Technologist, ARDC**

# Sensitive Data Community of Practice



Government Data

Ecological Data

Health Data

Indigenous Data

Commercial Data

# Sensitive Data Community of Practice



# Join the Community:

<https://sites.google.com/ardc.edu.au/sensitive-data-cop>

# 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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Course administration, community groups: @Nichola [Nichola.Burton@ardc.edu.au](mailto:Nichola.Burton@ardc.edu.au)