



FAIR Principles — Accessible

Analysis of existing approaches

Existing approaches



Findable

Accessible

Interoperable

Reusable

Non-FAIR
Principles

A1

A1.1

A1.2

A2

Develop common metrics per facet

FAIR Principles

To be accessible

A1. (meta)data is retrievable by their identifier using a standardised 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 is accessible, even when the data are no longer available

LEGEND

1	ANDS-NECTAR-RDS-FAIR data assessment tool	ARDC
2	DANS-Fairdat	DANS
3	DANS-Fair enough?	DANS
4	The CSIRO 5-star Data Rating tool	CSIRO
5	FAIR Metrics Questionnaire	The FAIR Metrics Group
6	Stewardship Maturity Mix	NOAA's CICS-NC, NOAA's NCDC
7	FAIR Evaluator	GO FAIR, LUMC CBGP, IDS, OeRC, IQSS
8	Data Stewardship Wizard	ELIXIR NL/CZ
9	Checklist for Evaluation of Dataset Fitness for Use	Assessment of Data Fitness for Use WG (WDS/RDA)
10	RDA-SHARC Evaluation	SHARC IG (RDA)
11	WMO-Wide Stewardship Maturity Matrix for Climate Data	The SMM-CD WG
12	Data Use and Services Maturity Matrix	The MM-Serv WG

Principle

Facet

1 Question

- Option #1
- Option #2
- Option #3

Potential Overlap

A1 (meta)data is retrievable by their identifier using a standardised communications protocol

1 Is the data available online without requiring specialised protocols or tools once access has been approved?

- No access to data
- By individual arrangement
- File download from online location
- Non standard web service
- Standard web service API

4 Published -Is the data accessible to users other than the creator or owner ?

- No
- By individual arrangement
- File download
- Institutional or community repository
- Bespoke web service (informal API)
- Bespoke web service (OpenAPI/Swagger)
- Standard web service API (e.g. OGC)

7 The nature and use limitations of the access protocol

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6 Accessibility

Not publicly available / Person-to-person

Publicly available / Direct file download (e.g., via anonymous FTP server) / Collection/dataset level searchable online

Non-standard data service Limited data server performance Granule/file level searchable Limited search metrics

Community-standard data service / Enhanced data server performance / Conforming to community search metrics / Dissemination report metrics defined and implemented

Dissemination reports available online / Future technology and standard changes planned

11 Accessibility

Data not available publicly; Person-to-person contact needed.

Basic online services available for data access (e.g. FTP/HTTP direct download).

Non-standard data services.

Standard-based interoperability data services.

Previous + Full capability of sub-setting, aggregation and visualization.F7

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

2 Is the dataset available for public access? (i.e. the restriction is only registration on a website before the person has access the data)

F4

No
Yes

5 Please provide a URL to the description of the protocol.

5 Is the propotocol open (technical details are provided)?

FALSE
TRUE

5 Is the protocol free?

FALSE
TRUE

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

5 Authorization is required to access the content of my RESOURCE ID

No
Yes

5 Please provide a IRI that resolves to a description of the process to obtain access to restricted content

7 Specification of a protocol to access restricted content.

10 In case of a non legal restricted access, is the restriction properly justified by the researcher ?

Never /NA
If mandatory
Sometimes
Always

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

1 Will the metadata record be available even if the data is no longer available?

No

Unsure

Yes

5 Please provide the URL to a metadata longevity plan

7 The existence of metadata even in the absence/removal of data