



FAIR Principles

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Beyond FAIR

Analysis of existing approaches

Existing approaches



Findable

Accessible

Interoperable

Reusable

Beyond FAIR
Principles

Repository

Maintenance

Open Data

Others

Develop common metrics per facet

Non-FAIR Principles

Data repository

Data Maintenance

Open data

Others

LEGEND

- 1 ANDS-NECTAR-RDS-FAIR data assessment tool
- 2 DANS-Fairdat
- 3 DANS-Fair enough?
- 4 The CSIRO 5-star Data Rating tool
- 5 FAIR Metrics Questionnaire
- 6 Big Data Readiness
- 7 FAIR Evaluator
- 8 Data Stewardship Wizard
- 9 Checklist for Evaluation of Dataset Fitness for Use
- 10 RDA-SHARC Evaluation

Principle

Facet

1 Question

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

Potential Overlap

X1 Data repository

1 What type of repository or registry is the metadata record in ?

- The data is not described in any repository
- Local institutional repository
- Domain-specific repository
- Generalist public repository
- Data is in one place but discoverable through several registries

3 Is the data repository you have chosen trustworthy

- No
- Yes

9 Is dataset located within a CoreTrustSeal-certified repository ?

- No
- Yes

9 Is dataset located within a World Data System or Data Seal of Approval certified repository?

- No
- Yes

9 Repository representative stipulates that structure, harmonization, completeness, and correctness of the dataset comports with typical data curation activities

- No
- Somewhat
- Yes

10 Does the researcher use data repositories for the storage of data ?

- Never /NA
- If mandatory
- Sometimes
- Always

X2 Curation and maintenance

- 4 Updated - part of a regular data collection program or series, with clear maintenance arrangements and update schedule
 - one-time dataset
 - part of series - occasional/irregular update
 - part of series - regular scheduled updates
- 4 Curated - commitment to ensuring the data is available long term
 - Once-off dump, no ongoing commitment
 - Best effort, project website
 - Public or institutional repository (e.g. CKAN, GitHub)
 - Certified repository

X3 Open data

3 FAIR enough, but also Open? Will your data be published as open as possible and as protected as necessary?

No
Yes

8 Will you be working with the philosophy 'as open as possible' for your data?

No
Yes

X4 Others

8 Will data interpretation and modeling require significant compute infrastructure capacity?

No

Yes

8 Will you be doing (automated) knowledge discovery?

No

Yes