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THE FAIR DATA PRINCIPLES

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FAIR Data Principles

Preamble

One of the grand challenges of data-intensive science is to facilitate knowledge discovery by assisting humans and machines in their discovery of, access to, integration and analysis of, task-appropriate scientific data and their associated algorithms and workflows. Here, we describe FAIR - a set of guiding principles to make data **Findable, Accessible, Interoperable, and Re-usable**.

To be Findable:

F1. (meta)data are assigned a globally unique and eternally persistent identifier.

F2. data are described with rich metadata.

F3. (meta)data are registered or indexed in a searchable resource.

F4. metadata specify the data identifier.

To be 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.

To be Interoperable:

I1. (meta)data use a formal, accessible, shared, and broadly applicable language for

knowledge representation.

I2. (meta)data use vocabularies that follow FAIR principles.

I3. (meta)data include qualified references to other (meta)data.

To be Re-usable:

R1. meta(data) have a plurality of accurate and relevant attributes.


R1.1. (meta)data are released with a clear and accessible data usage license.

R1.2. (meta)data are associated with their provenance.

R1.3. (meta)data meet domain-relevant community standards.




FAIR Principles Working Detailed Document (/fairprinciples)

COMMENTS:








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FAIR Public Forum Shared publicly

4 of 4 topics (4 unread)   

The FAIR Principles are open for community comment. Please reference principle numbers when commenting.

- | | |
|--|----------|
|  Annotation of FAIR principles (5)
By Maryann Martone - 5 posts - 200 views | 2/22/16 |
|  [fairgroup] proposal to revised FAIR principles (1)
By Michel Dumontier - 1 post - 116 views | 10/20/15 |
|  proposed revision to FAIR principles (1)
By Michel Dumontier - 1 post - 82 views | 10/19/15 |
|  Interoperable vs Intelligible (1)
By Leonardo Candela - 1 post - 124 views | 9/24/14 |


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