

RDA FAIR INFORMATION ANALYSIS EVALUATION

FAIR Principle and RDA FAIR Information Analysis Version: Findable_v0.02

Evaluator Name: Ge Peng

Date of Evaluation: March 23, 2019

Facet	Approach ID	Description	Comment
F1: (meta)data are assigned a globally unique and persistent identifier	6	<i>Transparency/Traceability:</i> Unique Object Identifier (OID) assigned (dataset, documentation, source code); Data citation tracked (e.g., utilizing Digital Object Identifier (DOI) system)	OID can be a universally or globally unique identifier (GUID/UUID).
F2: data is described with rich metadata	6	<i>Preservability:</i> Community-standard archiving metadata; <i>Accessibility:</i> Conforming to community search metrics; <i>Usability:</i> Community standard-based metadata; <i>Data Quality Assurance & Control/Monitoring & Assessment:</i> Conforming to community quality metadata; <i>Transparency/Traceability:</i> Complete data provenance online	The inclusion of different types of metadata entities and information they capture will yield or ensure <i>rich metadata</i> . Issue: What does it mean to have rich metadata?
	11	<i>Metadata:</i> Fully compliant with international standards; Rich metadata content; complete granular-level metadata	
F3: metadata clearly and explicitly includes the identifier of the data it describes	6, 11	Compliant with national and international standards	If it is required by the national and international metadata standards.
F4: (meta)data is registered or indexed in a searchable resource	6	<i>Accessibility:</i> Collection/dataset level searchable online; Granule/file level searchable	To be searchable, metadata needs to be registered and indexed in a searchable resource.

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A1: (meta)data available is retrievable by their identifier using a standardized communication protocol	6	<i>Usability:</i> Basic capability (e.g., subsetting, aggregating); Enhanced online capability (e.g., visualization, multiple data formats).	
A1.1: the protocol is open, free, and universally implementable	6	<i>Accessibility:</i> (data) publicly available; Community-standard data service.	
	12	<i>Data Services:</i> standards-based data service available	
A1.2: the protocol allows for an authentication and authorization procedures, when necessary			
A2: metadata is accessible, even when the data are no longer available			Should this requirement apply to the metadata for an earlier version of a dataset? If so, should we require including the link to metadata record of the next/current version of dataset? Issue: Does this requirement (A2) apply to all versions of a dataset?

