

State of the Data FAIR Rubric Questions

Findable		
F_1.0	Is an identifier assigned for the data release and documented in the data release's metadata record?	essential
F_1.1	Is the assigned identifier persistent?	essential
F_1.2	Is the assigned identifier unique (i.e. has a unique value)?	essential
F_1.3	Is the assigned identifier viewable on the data release's landing page?	essential
F_2.0	Is a separate identifier assigned for the data release's metadata record?	essential
F_2.1	Is the assigned metadata identifier persistent?	essential
F_2.2	Is the assigned metadata identifier unique (i.e. has a unique value)?	essential
F_3.0	Are the authors/originators' ORCID identifiers viewable (to humans) on the data release's landing page?	advanced
F_3.1	Are the authors/originators' ORCID identifiers provided in the data release's metadata?	advanced
	metadata?	
F_4.0.1	Title	essential
F_4.0.1.1	Is the title understandable to humans? (e.g., the title is not just an acronym or the same as the data file name)	essential
F_4.0.2	Description (e.g., Abstract, Summary, Purpose)	essential
F_4.0.3	Author/Originator	essential
F_4.0.4	Data point of contact	essential
F_4.0.5	Publisher	essential
F_4.0.6	Data publication date	essential
F_4.0.7	If applicable, data version	essential
F_4.0.8	If applicable, data revision dates	essential
F_4.0.9	Geographic location(s) associated with the data release (e.g., coordinates)	essential
F_4.0.10	Temporal information associated with the data release (e.g., start date and end date for when data were collected)	essential
F_4.0.11	Keywords	essential
F_4.0.11.1	Keywords from an authoritative source (e.g., an example of USGS authoritative source is USGS Thesaurus)	intermediate
F_4.0.12	Data file format or data type information	essential
F_5.0	Recommended citation	intermediate
Accessible		
A_1.0	Does the data release have a human readable landing page that provides direct access to the data?	essential
A_1.1	Is this landing page publicly accessible?	essential
A_1.2	Is the data release's author/originator information available on the landing page?	advanced
A_2.0	Does the data release's identifier (e.g., DOI) take users to the human readable landing page?	essential
	Is the following information included with the data release's landing page?	
A_3.0.1	Data distributor	essential
A_3.0.2	Data distributor contact information	intermediate
A_4.0	Can users obtain the data release's data files by manual actions (human)	essential
A_4.1	Can users obtain the data release's metadata files by manual actions (human)	essential
Interoperable		
	Are all data files in a format that is:	
I_1.0	Is a USGS-endorsed metadata standard (i.e., ISO or FGDC CSDGM) used to describe the data release?	essential
I_2.1	Non-proprietary (open format, i.e., accessible via free software)	essential
I_2.2	Machine readable	intermediate

I_2.3	Available in multiple file formats	advanced
I_2.4	Expected or commonly used by the relevant research community	essential
	Does the data release's metadata contain the following information about the data release's attributes?	
I_3.1	Unique names/labels	essential
I_3.1.1	At least one name/label is using a citable and publicly available source	intermediate
I_3.1.2	ALL names/labels are using citable and publicly available sources	advanced
I_3.2	Attribute definitions (that define the unique and relevant characteristics of the attribute, rather than just repeating names/labels)	essential
I_3.3	Units	essential
I_3.4	Data value type (e.g. qualitative or quantitative)	intermediate
I_3.5	Data value range	intermediate
I_3.6	Allowable data values	intermediate
I_4.0	Is information about precision/accuracy documented in the metadata? (e.g., error margin for measurements)	intermediate
I_4.1	Is information about data value consistency documented in the metadata?	advanced
I_5.0	Is the data release described using Resource Description Format (RDF)/linked data with community-recognized ontologies?	advanced
	If there are related data releases (other than source input datasets), are the relationships between the data releases:	
I_6.1	Documented in the metadata	intermediate
I_6.2	Described using Resource Description Format (RDF)/linked data	advanced
Reusable		
R_1.0	Is an approved USGS disclaimer statement included in the data release's metadata?	essential
R_1.1	Are recommended reuses included in the data release's metadata? AND/OR Are known reuse limits included in the data release's metadata?	essential
R_1.2	Is the approved USGS disclaimer statement present on the data release's landing page?	intermediate
R_1.3	Are recommended reuses present on the data release's landing page? AND/OR Are known reuse limits included on the data release's landing page?	intermediate
	Is the following information included with the data release's metadata?	
R_2.1	If input datasets are used, the citations to the input datasets	essential
R_2.2	Process/Methodology Summary (e.g., locations for where data are collected, instruments used, method referenced)	essential
R_2.2.1	Detailed process/methodology information (e.g., precision/accuracy, various processing stages, data and processing flow diagram)	intermediate
R_2.2.2	Citation(s) to the citable (community recognized) guidelines or standards used to describe the process/methodology information	advanced
R_2.3	Data quality Summary (e.g., assurance - such as screening of the data points; control/monitoring - such as quality sampling methods, assessment)	essential
R_2.3.1	Detailed data quality information (e.g. data quality procedure documentation; data quality monitoring criteria during data collection, whether/how the completeness of the data files and their data values was evaluated)	intermediate
R_2.3.2	Citation(s) to the citable (community recognized) guidelines or standards used to describe the data quality information (e.g., using ISO 19157)	advanced
R_3.0	Related resources documented in the data release's metadata (e.g., project website, publications, use cases, job aids, user's guide, data processing code with readme, product algorithm document)"	intermediate