

How to Provide Quality Assessments in DataCite Metadata?

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Motivation

[ARDC FAIR Self Assessment tool](#)

[OGC GeoPackage
Encoding Standard](#)

PrePARE

[F-UJI FAIRness Test](#)

[WMO's Stewardship
Maturity Matrix](#)

Repository specific
Quality Assurance

→ Specific aspects of data quality are checked at different levels of the data production workflow

Data Quality Information

International Community Guidelines for Sharing and Reusing Quality Information of Individual Earth Science Datasets

International FAIR-DQI Community Guidelines Working Group¹

Ge Peng, Carlo Lacagnina, Ivana Ivánová, Robert R. Downs, Hampapuram Ramapriyan, Anette Ganske, Dave Jones, Lucy Bastin, Lesley Wyborn, Irina Bastrakova, Mingfang Wu, Chung-Lin Shie, David Moroni, Gilles Larnicol, Yaxing Wei, Nancy Ritchey, Sarah Champion, C. Sophie Hou, Ted Habermann, Gary Berg-Cross, Kaylin Bugbee, and Jeanné le Roux

<https://doi.org/10.31219/osf.io/xsu4p>

- Each check should be findable in the metadata
- Not only the assessment **report**, but also the assessment **method** and a **short summary** of the **results** should be provided

Quality Information in the DataCite Metadata



How to store/link data quality information (report, results and method) in DataCite metadata records?

- ❑ Current approach: link quality reports via *RelatedIdentifier: relationType*
HasMetadata, IsDocumentedBy, IsReviewedBy

→ There is no *relationType*, where quality information can unambiguously be stored!

- ❑ Kristian Garza's recommendation: **HasMetadata**
 - can point to the assessment report (DOI, URL) **and**
 - to the assessment method by using **schemeType** and **schemeURI**

→ There is no possibility to store the short summary of the test results!

Thank you!

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