



**Barcelona
Supercomputing
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Centro Nacional de Supercomputación



**EXCELENCIA
SEVERO
OCHOA**

Towards developing community guidelines for sharing and reuse of Earth data quality information

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Why do we need quality information?

Support informed decision on (re)use of a dataset

- ☐ Inform the **reliability** and **usability** of the dataset
- ☐ Help establish the **trust** between data providers and consumers

Support data and information sharing and reuse

- ☐ **Interoperable** DQI also for utilizing Cloud and Machine Learning technologies

Support sound policy-making process

- ☐ High **value** and **influential** datasets

Challenges in dataset quality information

- ❑ **Multi-dimensional** and cross-disciplinary with many quality characteristics
- ❑ **Different** application requirements and ways to assess dataset quality
- ❑ Curating DQI requires **cross-domain knowledge** integration
- ❑ Limited and **sparse** guidelines for curating and representing DQI

Additional information

- FAIR-DQI Community Guidelines Document <https://osf.io/xsu4p/>

Takeaways

- ❑ **Strong needs** for developing community and practical guidelines, adapting the FAIR principles
- ❑ Guidelines should be built by the global community via an **iterative process**, with continuous engagements with all stakeholders
- ❑ Dataset quality information is important in:
 - ❑ establishing the **trustworthiness** of data and services
 - ❑ **increasing** sharing and **value** of the data for diverse applications

Additional information about how to join us and what we do

➤ Case statement and workshop report <https://osf.io/75b92/>

THANK YOU!

Contact us

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International FAIR-DQI Community Guidelines Working Group

Additional resources

- ❑ 2020 Workshop Summary Report: <https://doi.org/10.31219/osf.io/75b92>
- ❑ Guidelines document: <https://osf.io/xsu4p/>
- ❑ Where to comment to improve the guidelines
<https://forms.gle/3sAnW3B3Jxn5ZMig9>