

# 12 PRACTICES for RESEARCH DATA Sharing

## Intended for STAKEHOLDERS

from across the spectrum of scholarly communications:

- Researchers**
- Data repositories**
- Publishers**
- Funders**
- Research organizations**
- Policymaking institutions**

**1 Use trustworthy data repositories when publishing results**  
Deposit research data in repositories that assign persistent identifiers — ideally DOIs.

2

**3 Enable FAIR practices for data sharing and citations**  
Foster sharing of research outputs with high-quality, complete metadata.

4

**5 Set instructions for data citations**  
Offer guidance for authors to include data citations with persistent identifiers in the references.

6

**7 Integrate data availability statements in published articles**  
Include both human and machine-readable data availability statements in published articles where appropriate.

8

**9 Incentivize data sharing through guidance and tracking**  
Offer guidance on open science practices, track policy compliance and incentivize researchers to share, cite and link research data.

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**11 Collectively develop tools, processes and incentives**  
Build systems and products that work together to enable easy, clear, and efficient data sharing.

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Content drawn from the *Joint Statement on Research Data* created by:



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**2 Utilize persistent identifiers to cite data research**  
Provide attribution by citing datasets in reference sections using persistent identifiers.

3

**4 Establish clear policies for journals**  
Detail the way data is to be shared alongside a published article.

5

**6 Include data citations in article metadata**  
Include data citations with persistent identifiers (DOIs if possible) in the metadata registered with Crossref.

7

**8 Connect articles and datasets through persistent identifier connections**  
Establish persistent identifier connections in metadata and reference lists.

9

**10 Collaborate across stakeholders to align on FAIR research data policies**  
Work together to align FAIR data policies and guidelines.

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**12 Develop research assessment practices based on data sharing and citation**  
Consider data sharing and citation in reward and recognition systems for research assessment.