

# 12 BEST 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.

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### 2 Enable FAIR practices for data sharing and citations

Foster sharing of research outputs with high-quality, complete metadata.

### 3 Utilize persistent identifiers to cite data research

Provide attribution by citing datasets in reference sections using persistent identifiers.

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### 4 Set instructions for data citations

Offer guidance for authors to include data citations with persistent identifiers in the references.

### 5 Establish clear data policies for journals

Detail the way data is to be shared alongside a published article.

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### 6 Integrate data availability statements in published articles

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

### 7 Include data citations in article metadata

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

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### 8 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.

### 9 Connect articles and datasets through persistent identifier connections

Establish persistent identifier connections in metadata and reference lists.

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### 10 Collectively develop tools, processes and incentives

Build systems and products that work together to enable easy, clear, and efficient data sharing.

### 11 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 including data sharing and citation

Consider data sharing and citation in reward and recognition systems for research assessment.

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Content drawn from the [Joint Statement on Research Data](#) created by:



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