

**Towards building a trustworthy repository ecosystem**

**TRUST Principles - Review and impact so far**

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# The FAIR Principles and the Repository Ecosystem

FAIR is focused on data not about data quality or how to make data FAIR or how to maintain data FAIR



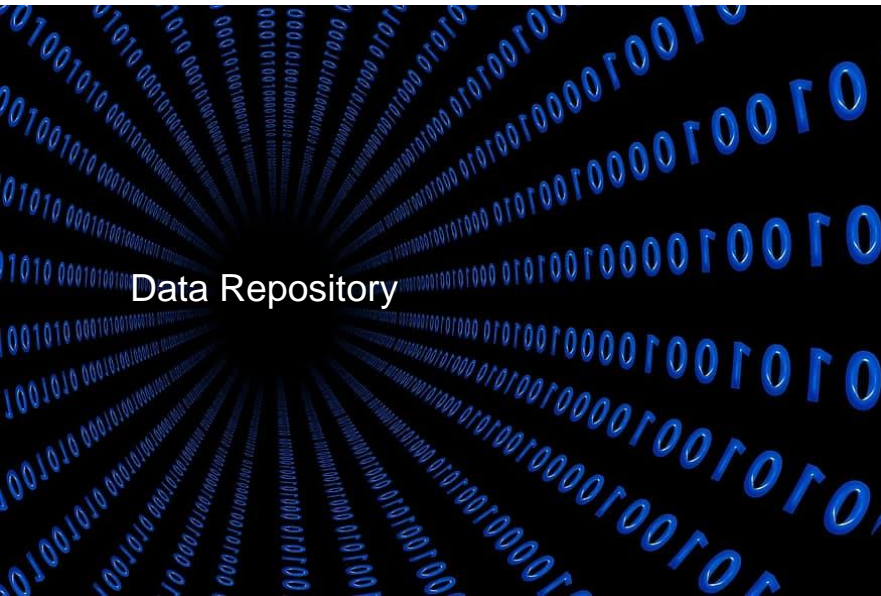
Imagen: Australian National Data Services.

OPEN SCIENCE AND OPEN DATA



DESIGNATED COMMUNITY

# TRUST PRINCIPLES COME INTO PLAY



We need to modernize the data ecosystem of repositories focusing on user service, usability, access and efficiency to ensure trustworthiness.

TRUST Principles are not intended to replace best practices, nor other standards, but to provide a conceptual starting point to demonstrate value.

# The Open Science Skills

The Open Science Ecosystem success is tied to data sharing policies and political and legal aspects that need to be updated;

**TRUST** Principles propose that Digital Data Repositories ensure preservation and access over time for the different users.

**TRUST** Principles have five levels and provide an exhaustive guideline to show stakeholders that a repository ensures Transparency, Responsibility, User Focus, Sustainability, and Technology.



# Trust Principles



**Transparency:** giving public access to what the repository does and what it doesn't.

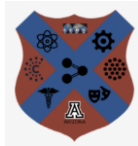
**Responsibility** means providing the service that the repository has agreed with the designated community and stakeholders.

The **User Community** is put at the center, in a commitment with users to advance standards and practices to better serve and give more value to the data holdings.

**Sustainability:** the repository needs not only to be FAIR and Accessible and Open, but also to demonstrate that it can maintain long term preservation and use and comprehension of their assets.

**Technology** is related with the infrastructure to support repository operations.

# Endorsements



The TRUST Principles have already been endorsed by a variety of organizations that are committed to the stewardship of digital resources and, in particular, digital research data. Some of the organizations that already have endorsed the TRUST Principles have offered statements to support their endorsements.

# Impact and Future Directions

- The Principles facilitate communication for users both inside and outside the data user community.
- Transparency improves trust, both in the quality of the repository content and in the repository itself.
- TRUST Principles provide guidance for institutions to ensure effective data stewardship, thus simplifying their work.
- "The TRUST Principles will help us ensure that detailed data about the past and present are preserved and accessible to both science and society in the long run--data" Dr. Robert Chen

Mapping the TRUST Principles to other standards.





# Thanks so much!

Dra. Marisa De Giusti

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