

# TRUST Principles Inspire Digital Repositories to Serve Reusable Data for the Long Term

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# AGENDA

1. TRUST principles overview
2. RDA/WDS Certification of Digital Repositories Interest Group
3. RDA/WDS TRUST Principles Outreach and Adoption Working Group
4. Call for support

# TRUST PRINCIPLES OVERVIEW

| Principle      | Guidance for repositories  |
|----------------|--|
| Transparency   | To be transparent about specific repository services and data holdings that are verifiable by publicly accessible evidence.            |
| Responsibility | To be responsible for ensuring the authenticity and integrity of data holdings and for the reliability and persistence of its service. |
| User Focus     | To ensure that the data management norms and expectations of target user communities are met.  |
| Sustainability | To sustain services and preserve data holdings for the long-term.  |
| Technology     | To provide infrastructure and capabilities to support secure, persistent, and reliable services.                                       |

Lin, D., Crabtree, J., Dillo, I. *et al.* The TRUST Principles for digital repositories. *Sci Data* 7, 144 (2020). <https://doi.org/10.1038/s41597-020-0486-7>

# TRUST PRINCIPLES OVERVIEW

## Why TRUST?

- Share the importance of Trustworthy Digital Repositories (TDRs)
- Continue to develop measurable approaches to TDRs
- NOT trying to replace standards, criteria, or best practices but instead creating a pathway to certification
- Provide a starting point to advocate, support, and implement assessments for all certifications

# RDA/WDS CERTIFICATION OF DIGITAL REPOSITORIES IG

<https://www.rd-alliance.org/groups/rdawds-certification-digital-repositories-ig.html>

- Started in 2013
- 200+ members from all over the world
- 41 endorsements from funders, repositories, publishers, professional societies
- Outputs:
  - Lin, D., Crabtree, J., Dillo, I. et al. The TRUST Principles for digital repositories. Sci Data 7, 144 (2020). <https://doi.org/10.1038/s41597-020-0486-7>
  - 9+ presentations on TRUST

# RDA/WDS TRUST PRINCIPLES OUTREACH & ADOPTION WG

- Goal is to reduce ambiguity and confusion on the relationship between TRUST Principles, certification processes, and metrics as well as FAIR, CARE, etc.
  - Compliance to TRUST Principles: must not be confused with TDR status
- TRUST Principles show repositories how they can demonstrate their trustworthiness to their users
- WG is in addition to the IG

# **RDA/WDS TRUST PRINCIPLES OUTREACH & ADOPTION WG**

1. Meet regularly over 18 months to tackle deliverables:
2. Survey on hesitancy on TRUST Principles
3. Collect and analyze case studies looking for desirable characteristics of repositories across certifications
4. Map TRUST to existing certifications
5. Develop use cases from TRUST Principles to certifications
6. Create guidelines/self-assessment tools on implementing TRUST
7. Create and launch TRUST Wiki

# RDA/WDS TRUST PRINCIPLES OUTREACH & ADOPTION WG

Main deliverable:

Prepare a document outlining how FAIR, CARE, and TRUST come together as principles and how they are represented in data repository certifications, including a mapping of the TRUST principles formally to existing certification processes (CoreTrustSeal, NESTOR, ISO 16363) to include desirable characteristics and attributes of repositories.



# WHERE IS THE WG NOW?

- The RDA/WDS WG is in the process of submitting a charter for approval by the RDA
- Requesting diverse representation of all disciplines and very much welcome contributions from the Earth and space science community
- Interested in members from all data roles, such as data managers, users, engineers, analysts, producers, leaders, etc.

# CALL FOR SUPPORT

1. Comment on case statement for RDA/WDS TRUST Principles Outreach & Adoption Working Group via RDA
2. Answer surveys
3. Share case studies
4. Join:
  - a) RDA/WDS Certification of Digital Repositories Interest Group
  - b) RDA/WDS TRUST Principles Outreach & Adoption Working Group
    - Informal group will begin meeting in January, awaiting RDA approval of WG
5. Contact me to learn more!

# THANK YOU

Looking forward to the discussion!

Reach out at any time [wds-ipo@utk.edu](mailto:wds-ipo@utk.edu)

