Connecting CoreTrustSeal with TRUST principles

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CoreTrustSeal: Building Trust to Support Open Science

- Not for profit and community-based
- Global and domain agnostic
- Low barrier to entry
    - 16 requirements grouped into three themes: organizational, digital object management, and technology
    - Evidence based on the information needed to run repository services
    - Requirements, Extended guidance and granted certifications openly available
- Objectives
    - enable repositories to safeguard data
    - ensure high quality
    - guide reliable management of data for the future

More information: https://www.coretrustseal.org

CoreTrustSeal Requirements

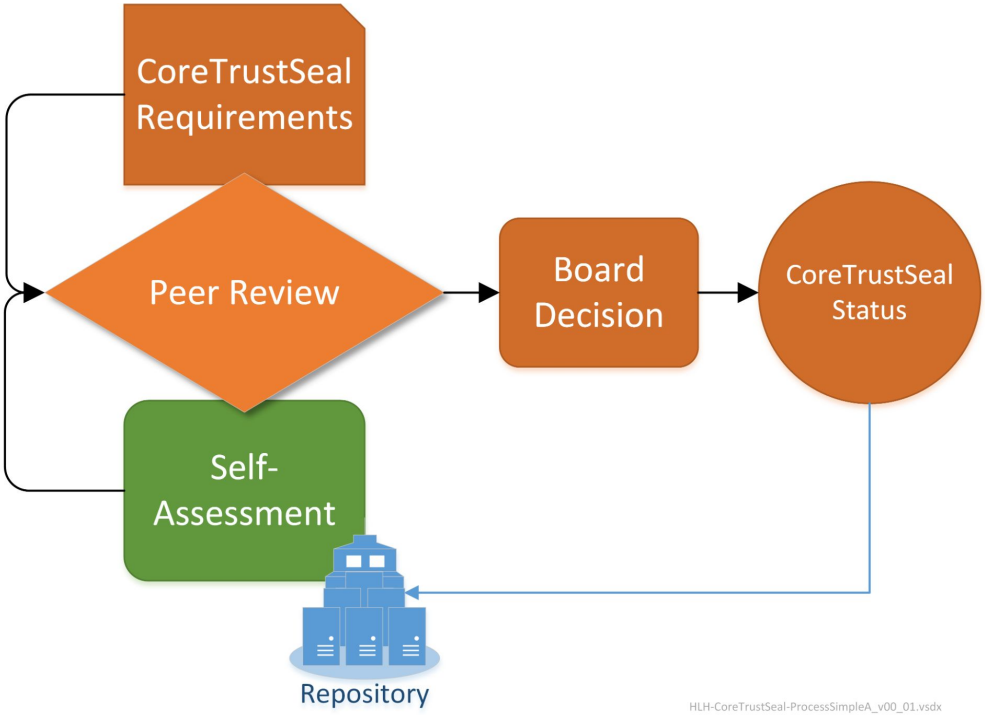
R0 - Context

R1 - Mission
R2 - Licenses
R3 - Continuity of Access
R4 - Confidentiality/Ethics
R5 - Org. Infrastructure
R6 - Expert Guidance

R7 - Data Integrity, Authenticity
R8 - Appraisal
R9 - Documented Storage Procedures
R10 - Preservation Plan
R11 - Data Quality
R12 - Workflows
R13 - Data Discovery and Identification
R14 - Data Reuse

R15 - Technical Infrastructure
R16 - Security

CoreTrustSeal Certification process



Picture courtesy of Hervé L'Hours

- CoreTrustSeal Board 2021-2024
- Assembly of Reviewers
- CoreTrustSeal Requirements 2020-2022

More information on governance: Statutes and Rules of Procedures

Perspectives on implementation of TRUST

- TRUST = high-level guiding principles
  - Can be used to facilitate discussion and to map across different Trustworthy Digital Repository (TDR) criteria to bring them together
- CoreTrustSeal Requirements = an assessment system
  - CoreTrustSeal provides core level TDR certification
- CoreTrustSeal has endorsed the TRUST principles
- TDRs add value by enabling FAIRness of metadata and data over time

TRUST and CoreTrustSeal - some highlights

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.

For a mapping of CoreTrustSeal Requirements and TRUST, see e.g. Hugo (2020, slides 63-64).

Thank you!

Sources:

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

Dawei Lin (2021). TRUST Principles & CoreTrustSeal. Second Latin America and Caribbean Scientific Data Management Workshop. Certification of Scientific Data Repositories (The Why, the How, the When). 24 February 2021. https://fapesp.br/files/upload/13951/dawei-lin.pdf

Hugo, Wim (2020). TRUST, FAIR, CARE, and CTS. TRUST Principles Mini Symposium, July 7th, 2020, slides 48-69. https://www.rdc-drc.ca/?wpdmdl=2754