

The data is deposited, what next?: Building blocks to support institutions with research data preservation

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En français: <https://tinyurl.com/risknorth-borealis-fr>

Why preserve research data?

Ensure
FAIRness into
the future

Put open
science
principles
into practice

Support
transparent,
reproducible
research

Meet Tri-
Agency [RDM](#)
[policy](#)
requirements



F

Findable



A

Accessible



I

Interoperable



R

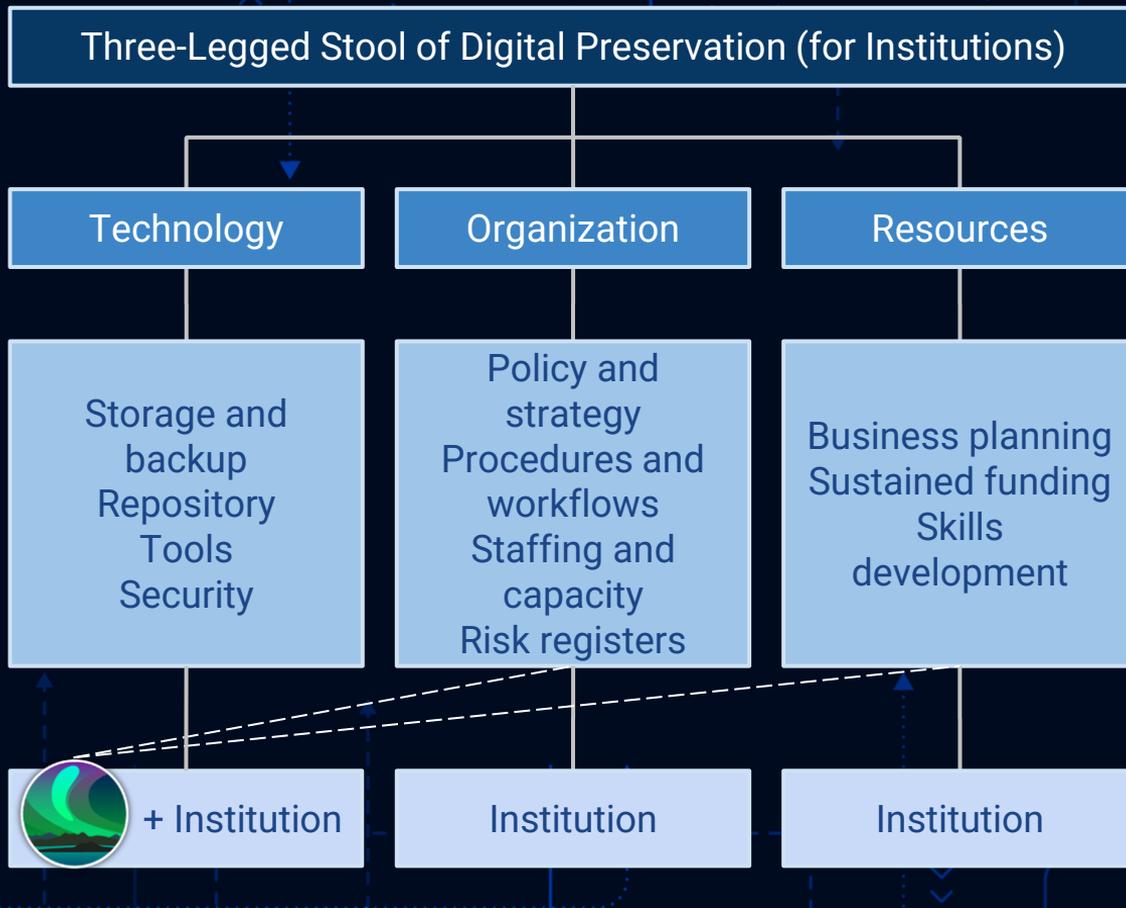
Reusable

*“Data management
should be practiced over
the entire lifecycle of the
data, including ...
preserving data for the
long term”*



Research data preservation and Borealis:

A collaborative effort



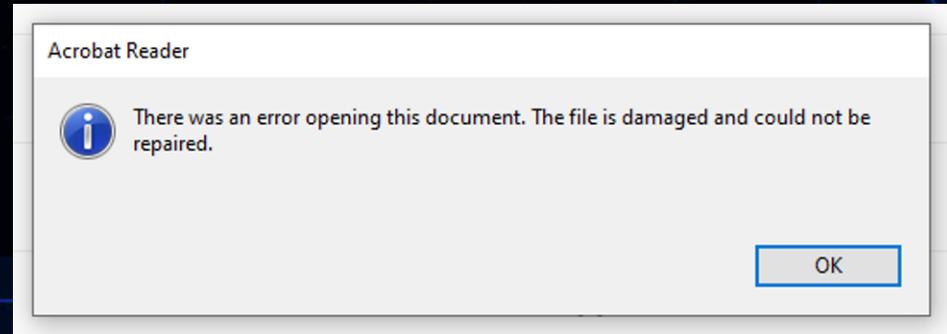
Preservation at Borealis - technology

Preservation Plan, Level 1: bit-level – managed by Borealis

Borealis ensures a minimum level of fixity assurance and file management for all uploaded data

- **Building blocks:** Monthly fixity checks and remediation, redundancy and backups, software maintenance

Borealis does not guarantee future usability and/or accessibility of data



Preservation at Borealis - technology

Preservation Plan, Level 2: active – led by institutions

Institutions define policies and practices to ensure data remains understandable, accessible, and usable based on evolving needs

Building blocks: Borealis can provide institutions with technical support for achieving research data preservation priorities

- BagIt export: Request independent copies of datasets as BagIt compliant packages for local management
- Archivemata integration: Ingest datasets in an institutional Archivemata instance for further processing

Supporting institutions - organization

Building block: CoreTrustSeal documentation (in progress)

In collaboration with the Alliance Preservation Expert Group

Goal: develop guidance for institutions interested in CTS (2023-2025 requirements) for certification or research data preservation more broadly

- Application template, policy templates, guidance on research data preservation activities and considerations, etc.



CoreTrustSeal Trustworthy Digital Repositories
Requirements 2023-2025

V01.00

Supporting institutions - organization

Building block: File format report (coming soon)

Goal: develop a process to identify and report on file formats in Borealis

- Purpose: support institutions with format monitoring and preservation decisions
- Current state: Dataverse automatically identifies the MIME type of files on ingest



MD5	5546fcc5432eeeabac80556f8c98f208
Deposit Date	2024-09-27
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Publication Date	2024-10-21
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Type	Adobe PDF

Thank you! Merci!

Questions? Comments? Get in touch:

<https://borealisdata.ca/#contact>



borealis