

# Where Can I Find & Share Data?

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Repositories of various types are increasingly important in the preservation, discovery, access, and reuse of research data. This workshop is focused on fostering a discussion around the various interests that are in play in the development, use, and selection of specific repositories - both as sources for discovering and accessing data for reuse, but also for sharing and preservation of research project products.

## Classes of Repositories

Repositories may be categorized in a number of different ways, depending upon needs:

Compliance with standards that define trustworthiness, measures of reliability, or other predefined characteristics, such as the

- Trusted Digital Repository (TDR) Checklist<sup>1</sup>, or its successor
- Trustworthy Digital Repositories - ISO 16363<sup>2</sup>/CCSDS 652.0-M-1<sup>3</sup>
- Data Seal of Approval<sup>4</sup>

Types of content that those repositories focus on:

- **Disciplinary repositories** that specialize in content produced by specific research disciplines such as ICPSR<sup>5</sup> for social science data, the [Archaeology Data Service](http://archaeologydataservice.ac.uk/)<sup>6</sup> for archaeological data, and GenBank<sup>7</sup> for genetic sequence data.
- **General or Interdisciplinary repositories** that contain content that cross disciplinary boundaries, and may also contain multiple types of content including data, documents, and multi-media files.

## A Synthesis

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Download this document: <https://unmrds.github.io/bb-discovery/bb-discovery.pdf>

Github Repository: <https://github.com/unmrds/bb-discovery>

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<sup>1</sup>RLG-NARA Task Force on Digital Repository and Certification (2007). *Trustworthy Repositories Audit & Certification: Criteria and Checklist*. Version 1, February 2007. Robin L. Dale and Bruce Ambacher, ed. The Center for Research Libraries & OCLC Online Computer Library Center, Inc. [http://www.crl.edu/sites/default/files/d6/attachments/pages/trac\\_0.pdf](http://www.crl.edu/sites/default/files/d6/attachments/pages/trac_0.pdf)

<sup>2</sup>International Organization for Standardization (ISO) (2012). *ISO 16363:2012 (CCSDS 652.0-R-1) Space data and information transfer systems – Audit and certification of trustworthy digital repositories*. <https://www.iso.org/standard/56510.html>

<sup>3</sup>The Consultative Committee for Space Data Systems (2011). *Audit and Certification of Trustworthy Digital Repositories Recommended Practice* CCSDS 652.0-M-1. <https://public.ccsds.org/pubs/652x0m1.pdf>

<sup>4</sup>Data Seal of Approval website (2018). <https://www.datasealofapproval.org/en/>

<sup>5</sup>Inter-University Consortium for Political and Social Research (ICPSR). <https://www.icpsr.umich.edu/icpsrweb/landing.jsp>

<sup>6</sup>Archaeology Data Service (ADS). <http://archaeologydataservice.ac.uk/>

<sup>7</sup>GenBank. <http://www.ncbi.nlm.nih.gov/genbank/>

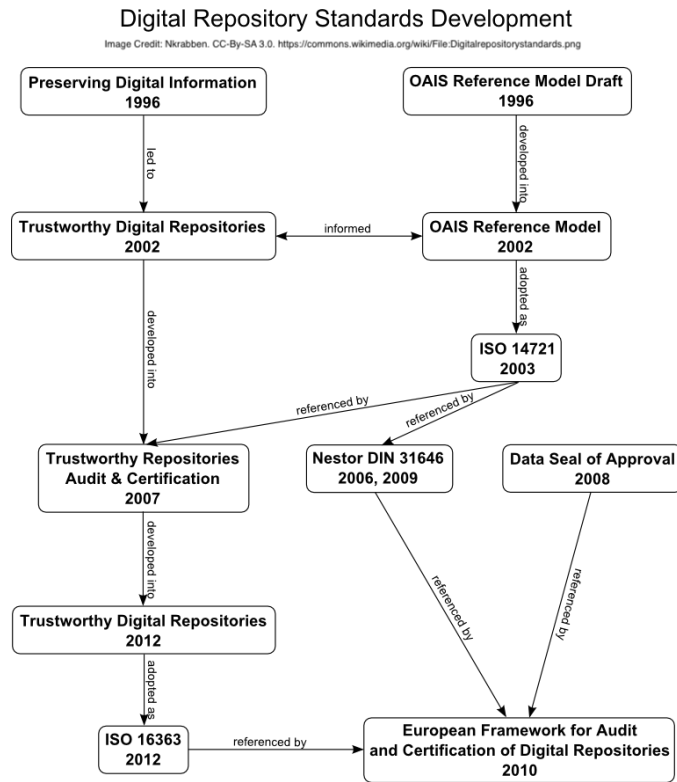


Figure 1: Diagram illustrating the development of digital repositories standards

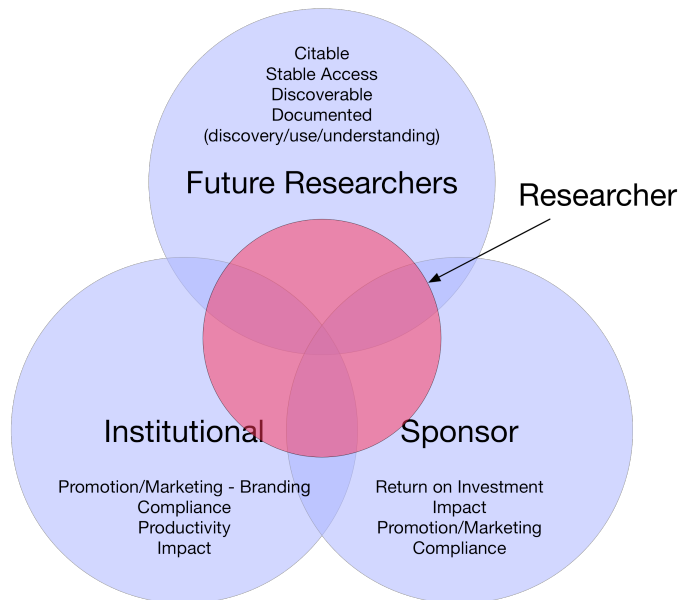


Figure 2: Intersecting Interests