

Funder's Update: Priorities and Trends at NIST

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- Conformance with the OSTP Nelson memo (August 2022)
 - NIST's updated public access plan completed and published
 - <https://nvlpubs.nist.gov/nistpubs/ir/2023/NIST.IR.8084e2023.pdf>
 - <https://doi.org/10.6028/NIST.IR.8084e2023>
- NIST Public Data Repository updated
 - <https://data.nist.gov/>
- Research Data Framework (RDaF) V2.0 released, March 2024
 - <https://nvlpubs.nist.gov/nistpubs/SpecialPublications/1500-18/NIST.SP.1500-18r2.html>
 - <https://doi.org/10.6028/NIST.SP.1500-18r2>

Public Data Repository

NIST Data Discovery
Explore data, tools, and resources for Science, Engineering, Technology and [more](#).

Search: "SRD 101" [X] [Q]

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ADVANCED COMMUNICATIONS

CHIPS Metrology
Exchange to Innovate
for Semiconductors

Creating Helpful
Incentives to Produce
Semiconductors

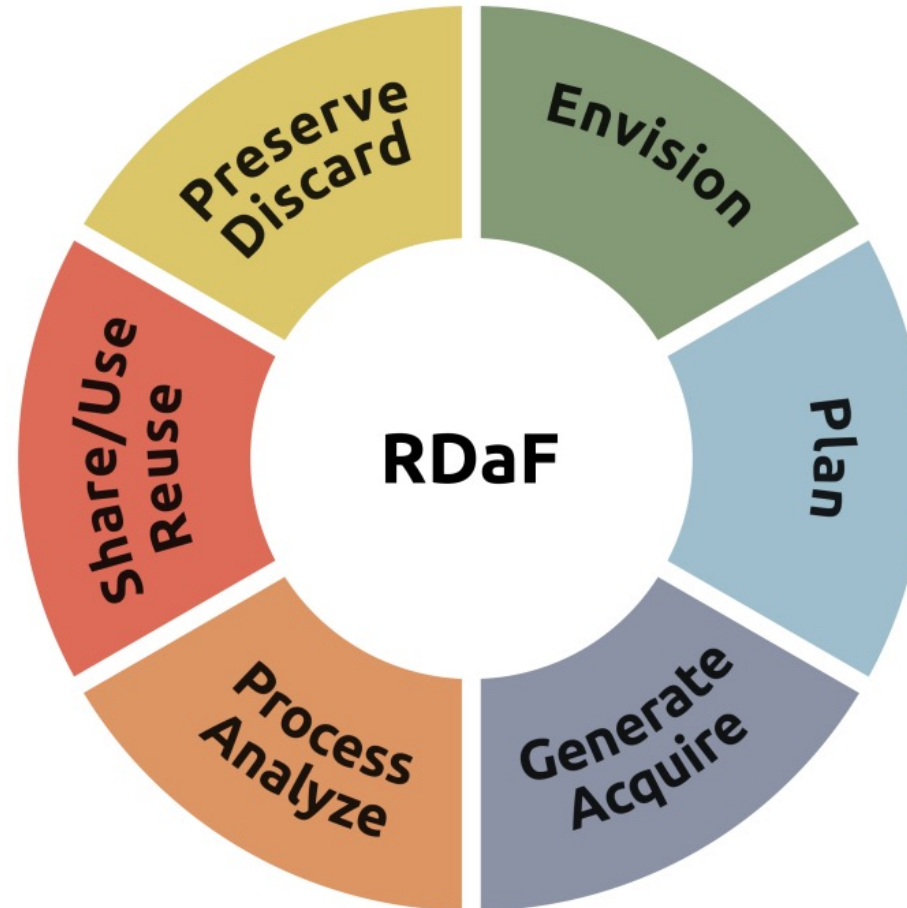
Research Data Framework Lifecycle Stages



1) **Envision:** chart a high-level course of action to achieve desired organizational goals

2) **Plan:** preparation in an organization for effective research data management

3) **Generate/Acquire:** generation of raw research data, both experimentally and computationally, within an organization, and the collection or acquisition of research data produced outside of an organization



4) **Process/Analyze:** actions performed on generated or acquired research data to yield processed research data

5) **Share/Use/Reuse:** outlines how raw and processed research data are disseminated, used, and reused within an organization and any constraints or encouragements to use/reuse

6) **Preserve/Discard:** end-of-use and end-of-life provisions for research data in an organization and includes records management, archiving, and safe disposal

- Informative references for all topics and subtopics
 - Guidelines, standards, relevant articles; >1,000 in total
- Profiles
 - Checklists of topics and subtopics that are most relevant for a particular job or responsibility
- Interactive website <https://rdaf.nist.gov/>
- Dynamic knowledge graph in development
- Engagement
 - RDAP EDUCAUSE SPARC/HELIOS
 - NISO USAID CHORUS SUNY



- OSTP NSTC Subcommittee on Open Science
- NASEM Roundtable on Aligning Incentives for Open Scholarship
- CODATA Task Group, Digital Representation of Units of Measurement
- CIPM Forum: Metrology and Digitalization
- NIST Community of Interest: Digital NIST
- Funded external analysis of NIST Standard Reference Data portfolio

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