U.S. Department of Transportation

Data Services Update

Transportation Librarians Roundtable 2023-12-14

ABBY FineReader and the TIUS/VIUS Project

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2019

Intern Lisa Curtain completed extensive research on Legacy Data Rescue

TRB Poster Presentation: https://doi.org/10.21949/1506099

2020

The Bureau of Transportation announced the relaunch of the Vehicle Inventory and Use Survey (VIUS), leading to a new project for NTL. To get all previous years of VIUS and TIUS data online in ROSA P.

However, many of the years' data tables were trapped in PDFs.

2021

Based on Lisa's findings Intern Zoe Mann prepares a Test Plan for ABBY FineReader Software

Leading to the final determination that NTL would proceed with acquiring the ABBY FineReader Software to use for Data Rescue Projects

Spring 2022

In the Spring of 2022, the Data Services Team finally acquires ABBY FineReader Software licenses and can begin work on the VIUS/TIUS Data Rescue Project

Fall 2022

NTL has a practicum student Peyton Tvrdy help with the project.

2023

New Fellow Peyton Tvrdy joins the Data Services Team and takes over the project.

2023

VIUS Series

https://doi.org/10.21949/1529915

NTL Data Services to Implement Data Curation Network CURATED Workflow

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CURATED Workflow is a standardized set of steps and checklists to ensure all datasets receive consistent and documented treatment.

C: Check files/code and read documentation;

U: Understand the data (or try to);

R: Request missing information or changes;

A: Augment metadata for findability;

T: Transform file formats for reuse;

E: Evaluate for FAIRness ;

D: Document all curation activities throughout the process

https://datacurationnetwork.org/outputs/workflows/

Benefits:

1. Long-term knowledge management
2. Documentation of actions

NTL Joins Federal ORCID Consortium

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On May 1, 2023, NTL joined the Federal ORCID Consortium, lead by Department of Energy's Office of Scientific and Technical Information (OSTI)

- ORCID = Open Researcher and Contributor Identifier
  - Global, unique, disambiguating identifier for researchers, which links to research outputs.
  - See: https://orcid.org/0000-0002-4962-1380 or https://orcid.org/0000-0002-0543-4268
  - See ORCID in use in ROSA P at: https://doi.org/10.21949/1527466
- Required by DOT Public Access Plan and National Security Presidential Memorandum 33 https://www.whitehouse.gov/wp-content/uploads/2022/01/010422-NSPM-33-Implementation-Guidance.pdf
- With membership we get lower cost programmatic integration with NTL cataloging and repository systems.
- Integration will allow us to "push" information to author ORCID records, as well as "pull" disambiguating information such as other forms of name and employer

DOT Public Access Plan update triggered by OSTP 2022-08-25 Memo

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Ensuring Free, Immediate, and Equitable Access to Federally Funded Research
Alondra Nelson, White House OSTP
August 25, 2022

Extends public access guidance defined in 2013 Public Access memo

1. **All** federal agencies with any amount of R&D should make **research results** (research project information, publications, datasets, etc.) **discoverable and useable to the general public**, to the greatest extent possible, **freely and without embargo or delay**.
2. Use **COVID-19 response times and lessons** to promote **more rapid research transparency**, while also **improving scientific integrity**.
3. Greater **federal coordination** between **OSTP** and **departments and agencies**.

Deadlines

1. **2024-12-31:** "…federal agencies should **submit to OSTP and OMB a second update** to their public access plans **specifying approaches taken to implement** the provisions in this [memo] **Section 4** [Ensuring Scientific and Research Integrity in Agency Public Access Policies]." (page 6)
2. **2025-12-31:** "[F]ederal agencies, to the extent consistent with applicable law: 1. **Update their public access policies as soon as possible**, and no later than December 31st, 2025, to make **publications** and their **supporting data** resulting from federally funded research **publicly accessible without an embargo** on their free and public release…" (page 1)
3. **2026-12-31:** "Agencies should **complete and publish full policy development** for plans implementing these **[Section 4] provisions** by December 31st, 2026, with an **effective date no later than one year after** the publication of the agency plan." (page 6)

Thank You

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