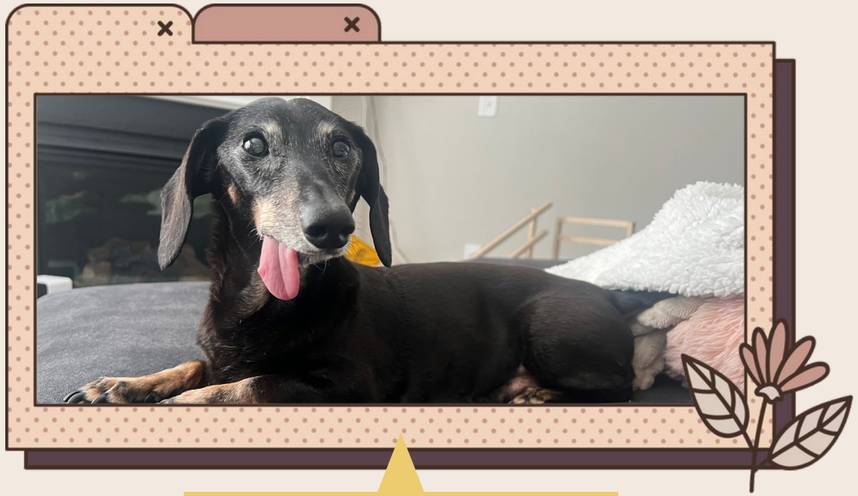
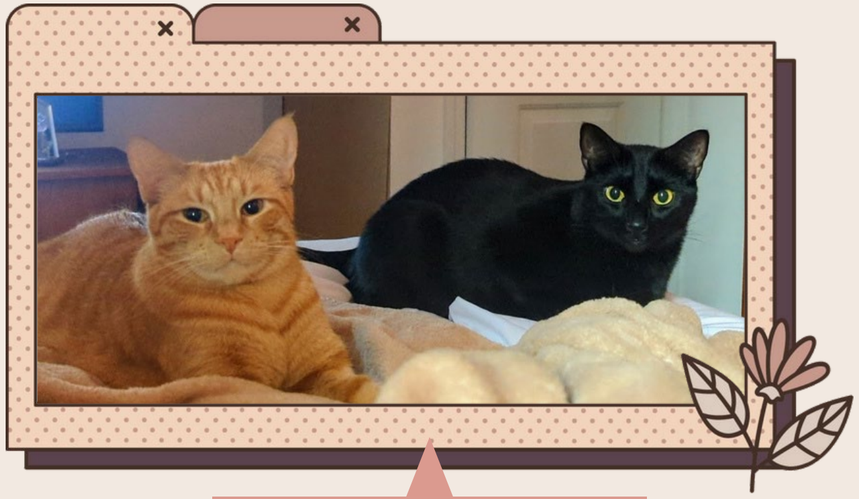
Inside Data Services 2024

Meet NTL Data Services



Jesse Ann Long

Data Curation Librarian



Peyton Tvrdy

Data Management and Data Curation Fellow

Looking back at 2024

The team completed an overhaul of 3 key LibGuides and created 2 new ones.

LibGuides

Updates

The team updated two key NTL policies and data management templates

Peyton led the creation of multiple new tools to increase efficiency

Tools

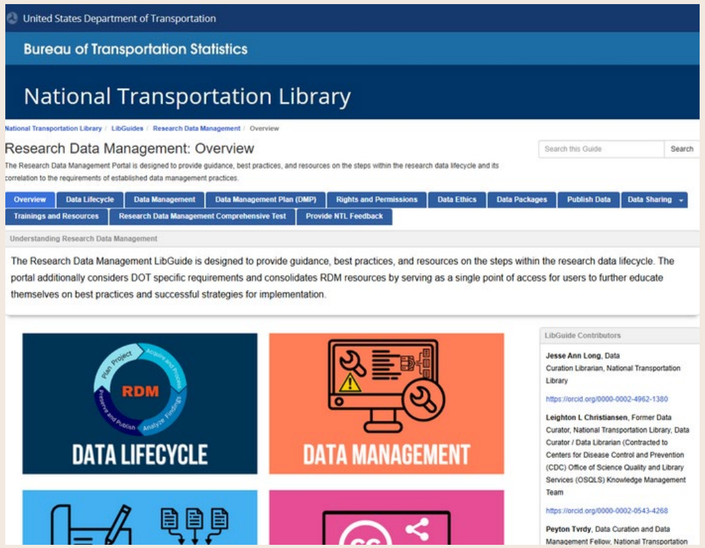
Publications

The Data Services team was apart of two publications this year.

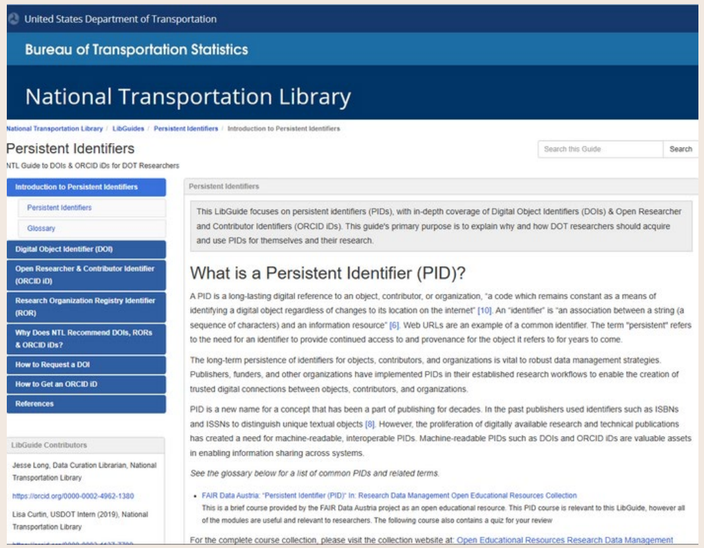
NTL applied for Core Trust Seal Certification this year for ROSA P.

Core Trust Seal

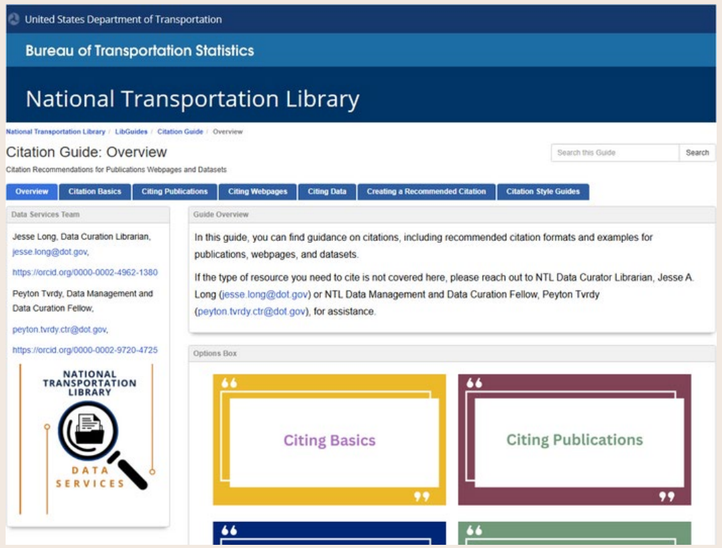
Updates



Research Data Management



Persistent Identifiers

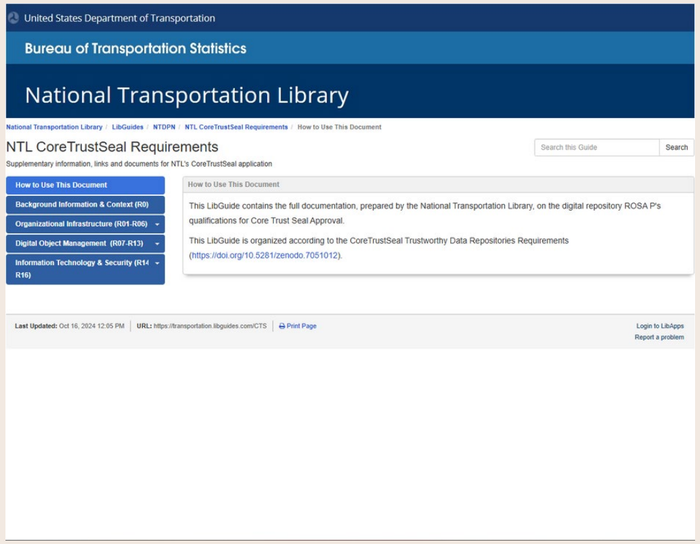


Citation

LibGuides

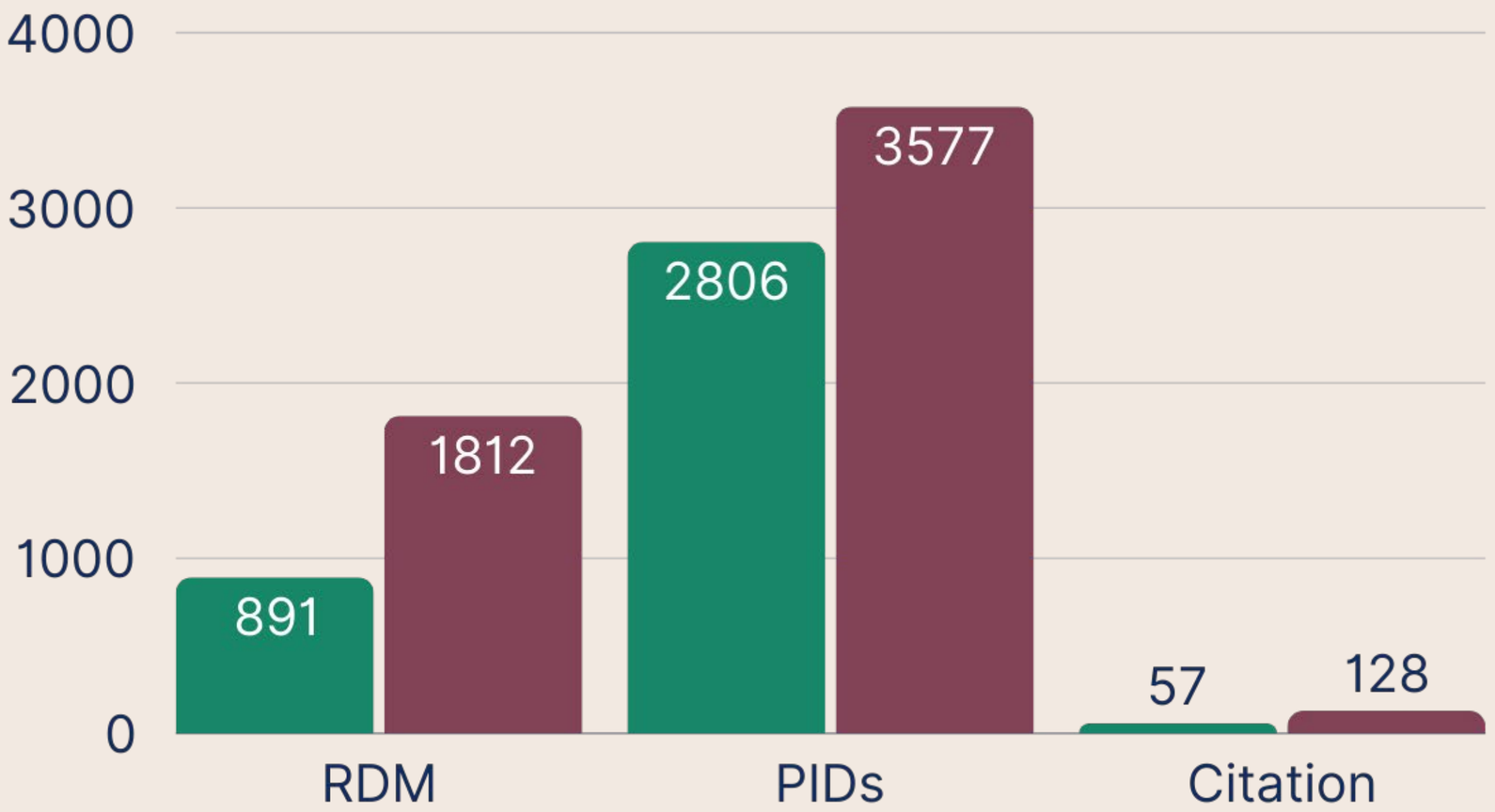
New

SMART Grants DMP Guidance



Core Trust Seal

2023 vs. 2024



Comparing our LibGuide statistics:

We see these statistics as a demonstration of how effective we have been with the updates and increased outreach and guidance within the transportation research community.

- Core Trust Seal 2024 = 236
- SMART Grants: DMP Guidance 2024 = 48

What We Updated

Policies

National Transportation Library's Collection Development and Maintenance Policy for the Repository and Open Science Access Portal (ROSA P)

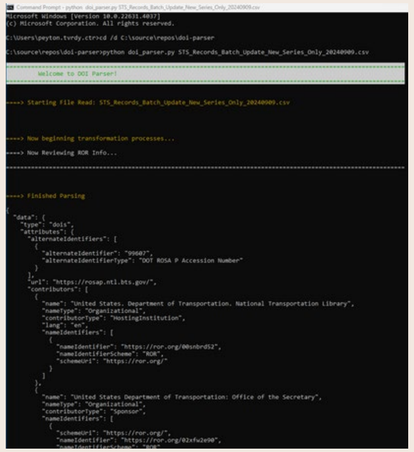
National Transportation Library Digital Curation Policy for the Repository and Open Science Access Portal (ROSA P)

Templates & Guidance

- Templates
  - Data Management Plans (DMPs) - The SOS subgroup on Data Management and Repository Standards an output aimed at the harmonization of federal Data Management Plans (DMP), which I reviewed and implemented to ensure our DMP Template aligns with this effort.
  - READMEs (.txt and .md format) – Added new elements to enhance these documents and ensure all needed information is being captured and shared.
- Data Package Guidance
  - This guidance hadn't been updated since roughly 2018.
- Creation of a Program-Office Level DMP Template
- Creation of a guidance document for writing a successful Program-Office Level DMP.

Tools

1 DOI Parser Program



This program allows us to easily update, mint, and reserve our DOIs by simply running the program and pulling information from a spreadsheet. This took multiple steps and systems involved all down to one.

2 Automated README Generator

We can now create multiple README files at a given time by using a simple CSV template that the program will read and format into the desired Markdown file type. This is especially useful when working with legacy datasets that have multiple years.

3 DCAT-US Form Generator

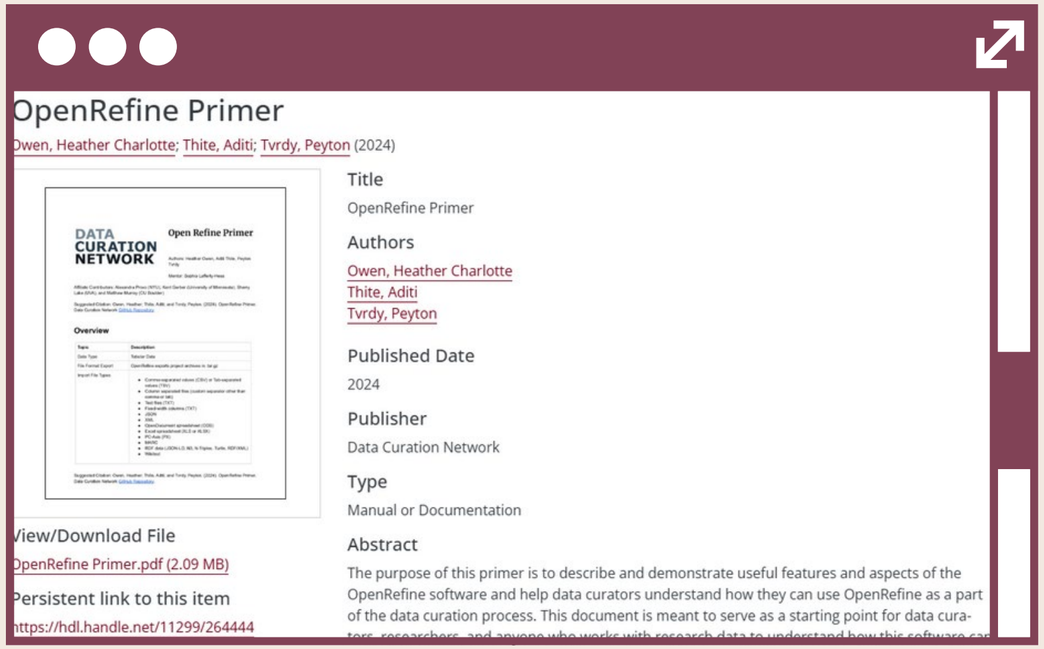
Allows for easy creation of US-DCAT v. 1.1 metadata files that are required alongside all datasets.

This tool can be found within the RDM LibGuide.

4 Automated DCAT -US Generator

We can now create multiple DCAT -US files at a given time by using a simple CSV template that the program will read and format into the desired JSON file type.

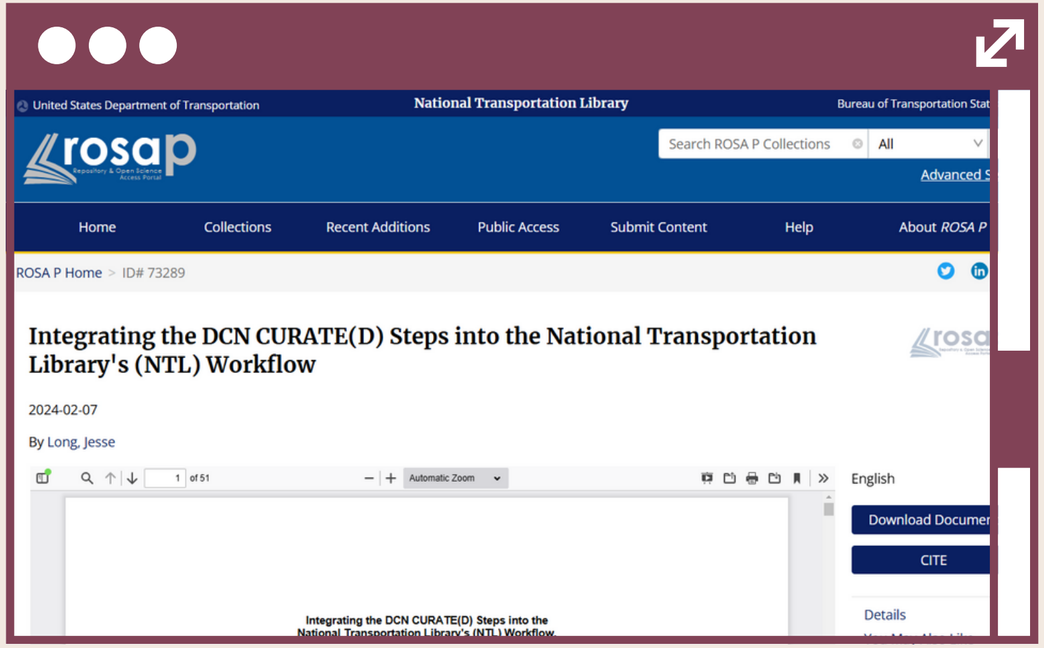
Publications



Peyton Tvrdy, working with the Data Curation Network, was a publishing author on their Open Refine Primer. This Primer also served as her final project for her Data Stewardship Certification Course which she completed in June 2024.

The purpose of this primer is to describe and demonstrate useful features and aspects of the OpenRefine software and help data curators understand how they can use OpenRefine as a part of the data curation process.

https://hdl.handle.net/11299/264444

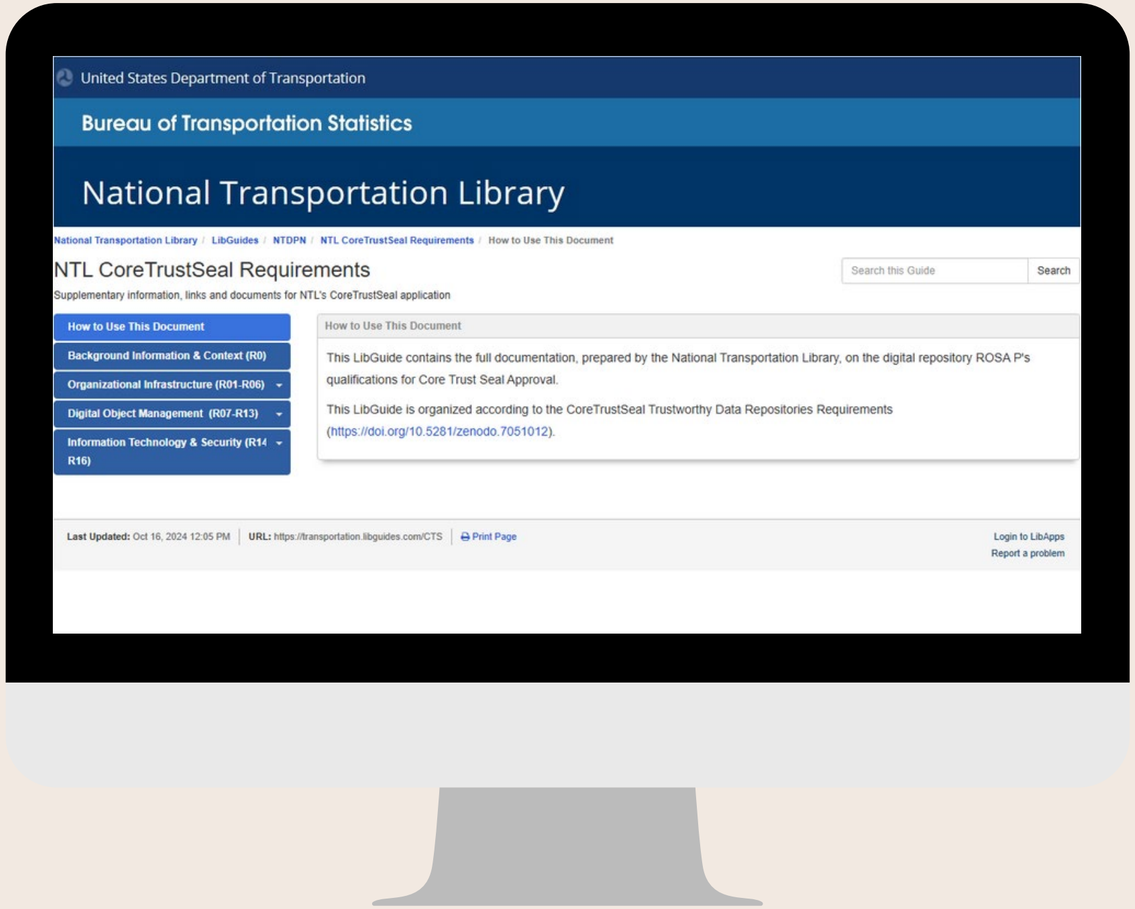


The Data Services Team published a public version of their newly implemented CURATE(D) Steps workflow. The have just completed their first year with the workflow fully implemented and have already seen multiple improvements and benefits from it.

The goal is to offer a case study experience on how NTL was able to implement the Data Curation Network (DCN)'s CURATE(D) Steps into their workflow and hopefully provide guidance that can assist others as they seek to do the same at their own institutions.

https://doi.org/10.21949/1530073

Core Trust Seal Certification



1. Our Original Application was submitted on July 8, 2024

2. We were notified of revisions required on October 10, 2024

3. We submitted our revisions on October 22, 2024

Feel free to reach out with any questions:

- Jesse Long: jesse.long@dot.gov
- Peyton Tvrdy: peyton.tvrdy.ctr@dot.gov

Thank You