



# NREL Unique IDs

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David Crocker

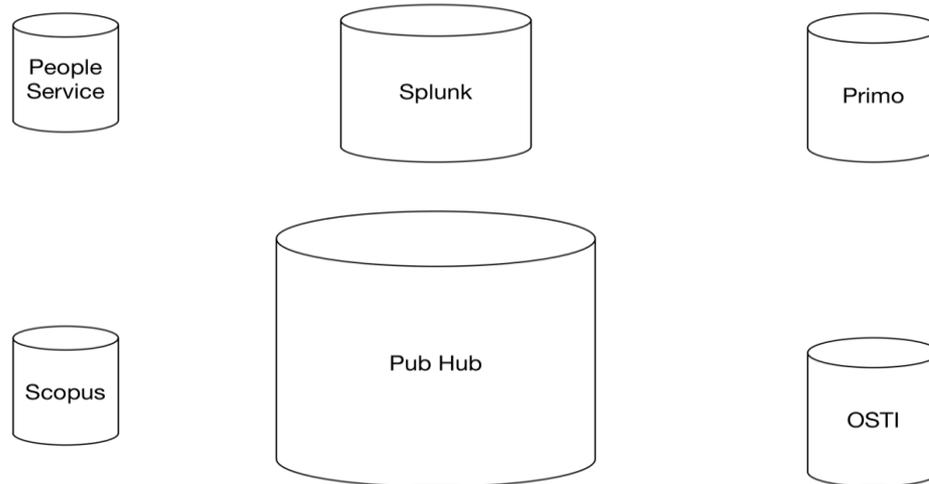
2019 DOE Data Workshop at ORNL

September 2019

# NREL in Context: 2018

- 985 Journal Articles and Conference Papers
- 250 Presentations and Posters
- 182 Technical Reports
- 39 Subcontract Reports
- 1698 Total Publications of all types.

# NREL's Publishing System



# NREL's IDs come from many sources

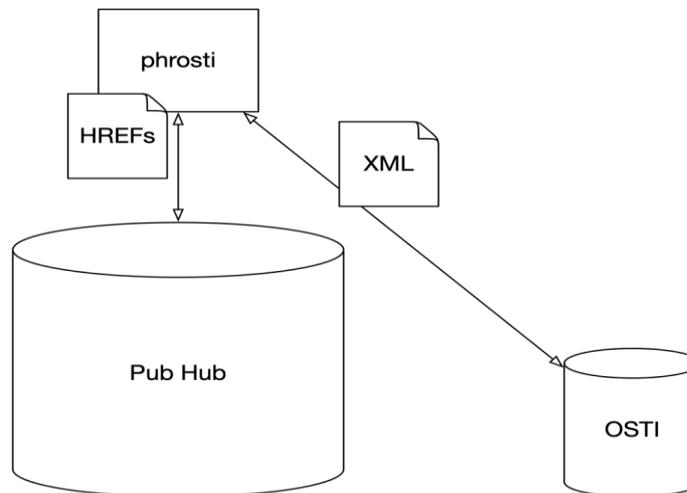
- **DOI** –
  - Technical Reports, Datasets: OSTI/Data Cite
  - Journal Articles, Presentations, etc.: publishers
- **OSTI ID** – OSTI
- **Order Number** – OSTI
- **EID** – Scopus
- **GUID** – Pub Hub
- **Publication Number** – Pub Hub
- **Accession Number** – OpenText (Historical)
- **Email address** – NREL IT

# OSTI Registration Process for Publications

The phrosti app searches Publication Record Metadata in Pub Hub for operator-set Attributes,

- 1) OSTI Submission Date Range
- 2) OSTI Release Flag
- 3) OSTI Record Status

<https://intprod.nrel.gov:8643/phrosti>



# The Difference Between Datasets and Publications

- Mutability
  - Published documents are static
  - Datasets are mutable
  - Authors want to keep changing datasets
- Size
  - Published documents tend to be small
  - Datasets tend to be large
  - Publishers don't want to host datasets

# NREL Data Catalog

- Can hold NREL datasets that are not DOE funded
- As with publications, a QA decision must be made to seek a DOI
- Currently requires manual script launch to request a DOI
- Based on a custom LAMP stack with Amazon Web Services

# NREL Data Quality Improvements

- We continue to correct older issues, e.g. order number, digitization (R, Python, Java)
- We automatically update OSTI registration data
- Our QA process has become more documented/formal
- NREL takes a longer view of data management than in the past.

It's a continuous process.

- Recent developments

# Thank You

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[www.nrel.gov](http://www.nrel.gov)

This work was authored by the National Renewable Energy Laboratory, operated by Alliance for Sustainable Energy, LLC, for the U.S. Department of Energy (DOE) under Contract No. DE-AC36-08GO28308. Funding provided by U.S. Department of Energy Office of Energy Efficiency and Renewable Energy. The views expressed in the article do not necessarily represent the views of the DOE or the U.S. Government. The U.S. Government retains and the publisher, by accepting the article for publication, acknowledges that the U.S. Government retains a nonexclusive, paid-up, irrevocable, worldwide license to publish or reproduce the published form of this work, or allow others to do so, for U.S. Government purposes.

