

Increase Acquisition, Registration, and Usability of DOE R&D Datasets

“In addition to leveraging visibility and retrievability, this service helps to ensure that critical datasets will be available for use by future scientists. OSTI intends to educate DOE organizations across the complex as to the multi-faceted value of data citation and to greatly increase the number of datasets registered...”

OSTI Strategic Plan 2015–2019

OSTI fulfills agency responsibilities related to the collection, preservation, and dissemination of STI emanating from R&D performed by DOE and predecessor agencies.

Participation in DataCite lends support to OSTI's primary mission of STI management and the DOE goal of making research data accessible.

The U.S. DOE Scientific and Technical Information Program (STIP) is a collaboration working to increase the availability and transparency of the results of DOE-funded research and development.

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First DOI for a DOE dataset was minted by OSTI and registered with DataCite on 8/10/2011 from the DOE Atmospheric Radiation Measurement (ARM) Climate Research Facility at Oak Ridge National Laboratory
<http://dx.doi.org/10.5439/1021460>

U.S. Department of Energy
★ ★ ★ Office of Science ★ ★ ★
Office of Scientific and Technical Information

www.osti.gov

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Data ID Service

DOE scientific research datasets are registered and announced worldwide along with other R&D results as part of the DOE STI program.

Digital Object Identifiers (DOIs)

OSTI assigns DOIs to publicly available scientific research data. The assignment and registration of a DOI for every dataset submitted is a free service for DOE researchers that is provided by OSTI to enhance DOE's management of this important resource.



U.S. DEPARTMENT OF
ENERGY

Office of
Science



A Web Service for the Announcement/Registration of Datasets

Providing stable pathways to datasets generated by DOE-funded scientific research

Citations to DOE Datasets Made Broadly Accessible

OSTI registers publicly available scientific research datasets created by DOE-funded researchers. Through membership in DataCite, OSTI assigns Persistent Identifiers, known as Digital Object Identifiers (DOIs), to the individual datasets to aid in citation, discovery, and retrieval.

The web service supports large volume, high frequency use with an automated way to:

- provide metadata to DOE/OSTI for announcing publicly available datasets resulting from work funded by the U.S. DOE or performed in DOE facilities;
- obtain a DOI registered by OSTI with DataCite; and
- manipulate records by performing HTTP operations on a web service URL.

Announcement Notice (AN) 241.6 on E-Link supports manual creation and edits of metadata, when desired.

To Access OSTI's Data ID Service:

Grantees:

Go to <https://www.osti.gov/elink/241-6>

DOE individual researchers:

Contact your site's STI Manager

DOE labs, data centers, repositories:

Contact your site's STI Manager or call OSTI at (865) 576-6784

Announced and linked from SciTech Connect

<http://www.osti.gov/scitech/>

SciTech Connect

Also available via DOE Data Explorer (DDE)

<http://www.osti.gov/dataexplorer/>

DOE Data Explorer

SciTech Connect

Full Text Citations Multimedia Datasets Everything

Start new search -- Place phrase in "double quotes" Find

Semantic Search Term Search Advanced Search

SciTech Connect / Search Results / Technical Report: Balloon-Borne Sounding System (SONDE) Handbook

Balloon-Borne Sounding System (SONDE) Handbook

Citation Details In-Document Search

The balloon-borne sounding system (SONDE) provides in situ measurements (vertical profiles) of both the thermodynamic state of the atmosphere and the wind speed and direction.

Authors: Holdridge, D; Ritsche, M; Prell, J; Coulter, R

Publication Date: 2011-02-08

OSTI Identifier: 1020712

Report Number(s): DOE/SC-ARM/TR-029
TRN: US201120%6386

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Resource Type: Technical Report

Research Org: DOE Office of Science Atmospheric Radiation Measurement (ARM) Program (United States)

Sponsoring Org: USDOE EM Office of Science and Technology (EM-50)

Country of: United States

FULL TEXT

View Full Text (4.18 MB)

DOI: 10.2172/1020712

Select the DOI to obtain a copy of this technical report from the publisher.

Have feedback or suggestions for a way to improve these results? Let us know!

Citations to DOE datasets are indexed by commercial search engines (e.g., Google) AND will appear in federated search portals that include OSTI databases.

