

Disseminate Our Results: *“Our success should be measured not when a project is completed or an experiment concluded, but **when scientific and technical information is disseminated.** Beyond broad availability of technical reports, e-prints and multimedia, and publication in peer-reviewed journals, **open access to experimental data and analysis codes is increasingly important in policy-relevant research areas.**”*

—Department of Energy Strategic Plan 2011
Assure Excellence in R&D Management

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>

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Data ID Service

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



U.S. DEPARTMENT OF
ENERGY

Office of
Science



STI Announcement Web Service for Datasets

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

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

Easy-to-use method 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.
- Submit metadata for DOE research dataset announcement notices and obtain a registered DOI.
- Manipulate records by performing **HTTP operations** on a web service URL and providing XML metadata

Options to submit your datasets metadata:

Grantees and Individual Researchers

241.6 Announcement Notice

<https://www.osti.gov/mlink/241-6>

DOE Labs & Data Centers

Web Service

<https://www.osti.gov/stip/docs/STI>

[Announcement_Web_Services_Manual_1_0.pdf](#)



Citations to DOE Datasets Made Broadly Accessible

Announced and linked from Energy Citations Database (ECD)

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



To be announced and linked from DOE Data Explorer (DDE) in FY 2012

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



The screenshot shows the Energy Citations Database (ECD) interface. At the top, there is a navigation bar with 'Home', 'Basic Search', 'Fielded Search', 'Alerts', and 'Document Availability'. Below this, a 'Bibliographic Citation' is displayed for a document. The citation details include: DOI: <http://dx.doi.org/10.5439/1021460>, Title: Balloon-borne sounding system (BBSS): Vaisala-processed winds, press., temp, and RH, Creator/Author: Coulter, Richard ; Nitsche, Michael, Publication Date: 1994 Apr 12, OSTI Identifier: OSTI ID: 1021460, DOE Contract Number: DE-AC05-00OR22725, Resource Type: Dataset, Research Org: ORNL-ARM (Oak Ridge National Laboratory (ORNL), Oak Ridge, TN (United States), Atmospheric Radiation Measurement (ARM)), Sponsoring Org: USDOE SC Office of Biological and Environmental Research (SC-23), Subject: 54 Environmental Sciences, Related Subject: Atmospheric moisture; Atmospheric pressure; Atmospheric temperature; Horizontal wind, Description/Abstract: Balloon-borne sounding system (BBSS): Vaisala-processed winds, press., temp, and RH. 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., Country of Publication: United States, Language: English, Availability: ORNL, System Entry Date: 2011 Sep 08.

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

