

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

Knowledge gained during the R&D process is frequently imparted through scientific and technical information (STI). STI is a key deliverable of research and development (R&D) and a valuable resource that contributes to the advancement of science and technology and to the nation’s well-being.

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

OSTI continues to broaden efforts to make scientific research data readily available to accelerate discovery.

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Data ID Service

Researchers funded by the U.S. Department of Energy (DOE) can now make their scientific research data easier to cite and easier to find from worldwide sources

The U.S. Department of Energy (DOE) Office of Scientific and Technical Information (OSTI), within the Office of Science, has been making R&D results more visible since 1947.



Web Service for Identifying DOE Research Data

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

DOE invests billions of dollars in R&D projects that generate and use data as a critical resource integral to science. Making this research data findable for re-use is a challenge that OSTI is meeting.

Through membership in DataCite, OSTI assigns permanent identifiers, known as Digital Object Identifiers (DOIs), to the individual research datasets located at DOE national labs, other DOE facilities, and DOE-funded grantees.

This data identification (ID) service facilitates citation, discovery and retrieval of your data.

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.

The Data ID Service is ready to serve DOE researchers and programs.



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/>

A screenshot of the Energy Citations Database (ECD) website. The page title is 'Bibliographic Citation'. It lists metadata for a dataset: 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 ; Ritsche, 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. The DOI and Resource Type fields are circled in red.

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

