

OSTI - Accelerating Science Information

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Director

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

Federal Depository Library Conference
Arlington, Virginia
October 21, 2008



U.S. DEPARTMENT OF
ENERGY



**Office of
Science**



OSTI Mission

To advance science and sustain technological creativity by making R&D findings available and useful to DOE researchers and the American people

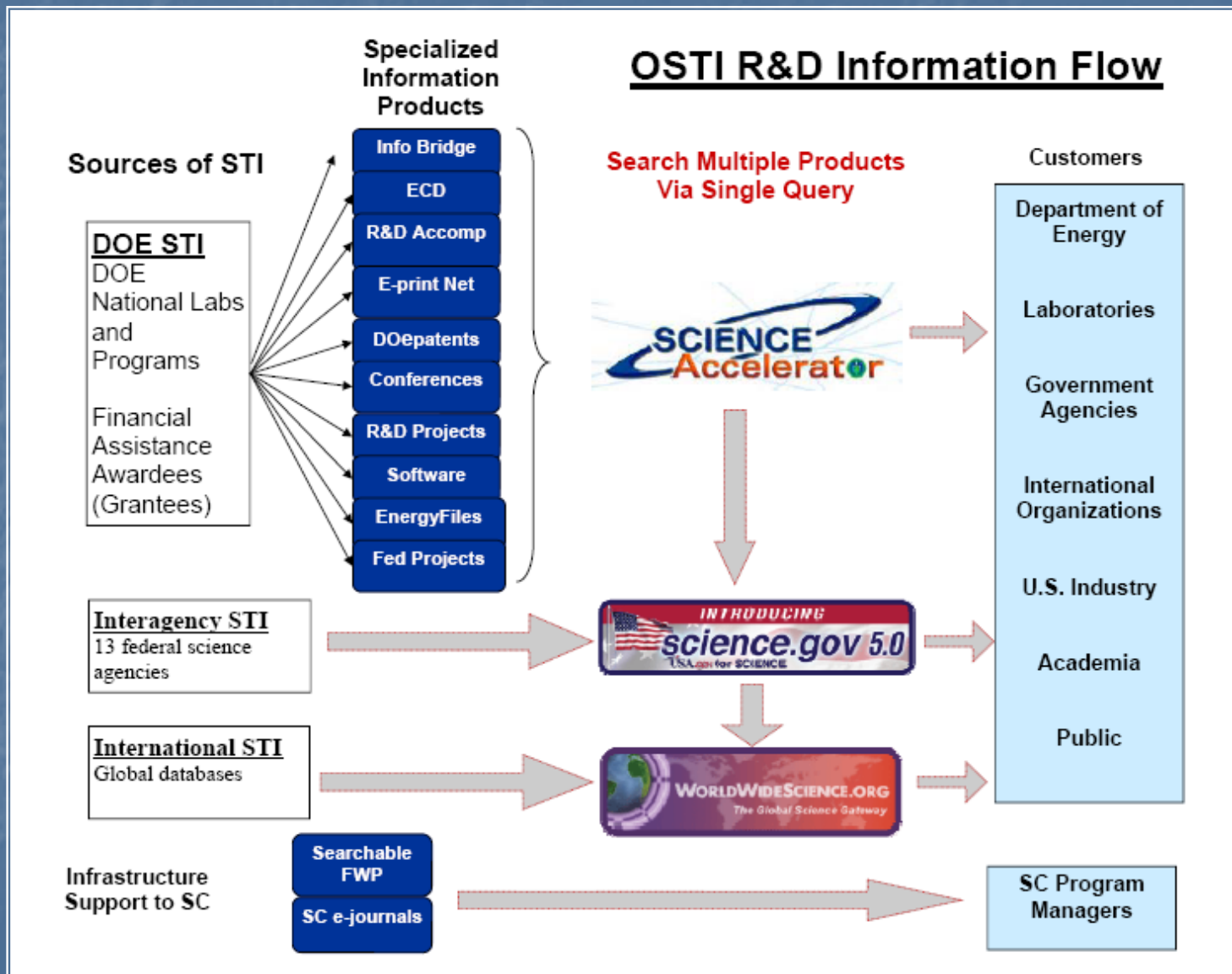
1 Science.gov Way





OSTI develops a number of databases and search tools, all accessible through the OSTI Home Page (www.osti.gov).

From STI Sources to Customers ...



OSTI Ensures Access to **Non-Googleable** Science

Volume of Content Made Searchable by OSTI

WorldwideScience.org:
375,000,000 pages of Global Scientific and Technical Information (STI)

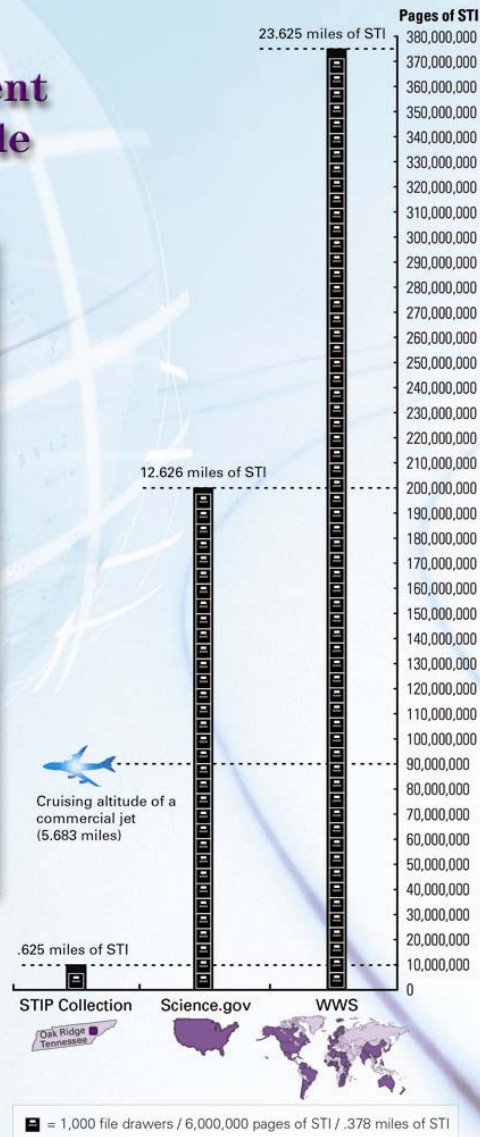
These web-available pages would fill 62,500 traditional 2-foot deep file drawers.

Science.gov:
200,000,000 pages of U.S. Government STI

These web-available pages would fill 33,333 traditional 2-foot deep file drawers.

STIP Collection:
9,900,000 pages of U.S. Department of Energy STI

These web-available pages would fill 1,650 traditional 2-foot deep file drawers.



Science progresses as knowledge is shared

OSTI Corollary:
Accelerating the sharing of knowledge accelerates the advancement of science

Through OSTI products, researchers and the public can access a science page count comparable to, but not duplicative of, Google's entire science content.



The OSTI resource that is probably the best known to depository librarians is the **Information Bridge**.

- **Initially developed as a joint product of OSTI and GPO to provide depository libraries access to full text DOE scientific and technical reports.**
- **Especially popular with depository librarians as it replaced the microfiche reports that had been distributed for many years.**

Information Bridge: DOE Scientific and Technical Information - Fielded Search - Windows Internet Explorer

http://www.osti.gov/bridge/advancedsearch.jsp

Information Bridge: DOE Scientific and Technical Infor...

DOE Scientific and Technical Information

INFORMATION BRIDGE

DOE Scientific and Technical Information

DOE • OSTI

Home • Basic Search • **Fielded Search** • Alerts • Help

Site Map • FAQ

Enter search criteria into as few or as many fields as desired.

Sort By: Relevance

Ascending
 Descending

Search In	For Term(s) (Place phrase in "double quotes")	Limit To
All Fields	<input type="text"/>	Publication Date (May enter year only or year and month only) YYYY MM DD From <input type="text"/> <input type="text"/> <input type="text"/> To <input type="text"/> <input type="text"/> <input type="text"/>
Bibliographic Data	<input type="text"/>	System Entry Date YYYY MM DD From <input type="text"/> <input type="text"/> <input type="text"/> To <input type="text"/> <input type="text"/> <input type="text"/>
Full Text	<input type="text"/>	Select Type <input type="text"/> or Type Help
Creator/Author <input type="button" value="Select"/>	<input type="text"/>	Enter Type <input type="text"/>
Title	<input type="text"/>	
Subject <input type="button" value="Select"/>	<input type="text"/>	
Identifier Numbers	<input type="text"/>	
Conference Info.	<input type="text"/>	
Patent Info.	<input type="text"/>	
Research Org.	<input type="text"/>	

- **Fielded Search** provides a very sophisticated search experience.
- Reports fall into the disciplines of physics, chemistry, materials, biology, environmental sciences, energy technologies, engineering, computer and information science, renewable energy, and other topics of interest related to the DOE mission.

Results return links to full text

Content: DOE STI from 1991 forward

Information Bridge: DOE Scientific and Technical Information - Search Results - Windows Internet Explorer

DOE Scientific and Technical Information

DOE • OSTI

Home • Basic Search • Fielded Search • Alerts • Help

Searched: Bibliographic Data Contains (climate change)
Sorted By: Relevance, Descending
Results: 1-25 of exactly 830 matches, in 0.053 seconds.
Sort Results By: Relevance Ascending Descending

Return to Original Search Page
Page 1 of 34
Go to Page: 1 of 34

Size	Identifier	Title	Creator/Author (s)	Pub Date
7K	UCRL-JC-131556	Duff Coast assessment overview/charge to the workshop	MacCracken, M.C.	1996 Apr 30
1.1M	PHL-GA--23172; CONF-931085--1	Climate uncertainty and the regional economic impacts of global climate change	Scott, M.J.; Liebetrau, A.M.; Loorens, C.A.	1993 Oct 01
26.1M	920085	DoD Climate Change Fuel Cell Program	Shevin, A.; Galante	2007 Apr 30
310K	CONF-9410200--1	Integrated assessment and the relation between greenhouse change and climate change	Dale, V.H.	1994 Oct 07
402K	825015	Improved Cloud-Radiation Parameterization for GCMs through the ARM Program. Final Progress Report	Koch, J.T.	2004 Mar 31
202K	841471	Tools for Teaching Climate Change Studies	Mestas, A.M.; Jones, L.A.	2005 Mar 10
108K	824980	EVALUATING SHORT-TERM CLIMATE VARIABILITY IN THE LATE HOLOCENE OF THE NORTHERN GREAT PLAINS	Joseph, H.; Hartman	1999 Sep 01
1.1M	ANL/OS/CP--97049; CONF-9505276--Summ.	International Conference on Climate Change Adaptation Assessments. Conference summary and statement	NONE	1995 Aug 01
473K	BNL--86037; CONF-881077--	Role of aerosols in radiative forcing of climate change. Global mean and uncertainties	Schwartz, S.F.	1998 Oct 01
23.1M	ORNL/JDCAC-117	Selected Translated Abstracts of Chinese-Language Climate Change Publications	Cvachnan, R.W.; Burda, M.D.	1999 May 01
2.1M	USCSP--96005616; CONF-9509320--Summ.	Climate variability and climate change vulnerability and adaptation. Workshop summary	Rhett, B.; Cline, R.R.; Dixon, B.K.	1995 Dec 31
3.1M	ANL/ERPP--83980	Climate change effects on forests: A critical review	Loehle, C.; Leddicke, D.	1996 Feb 01
1.1M	LA-UR--94-1144; CONF-940426--1	Linking science more closely to policy-making. Global climate change and the national prioritization of science and technology policy	Glasser, R.D.	1994 Apr 01
3.1M	ANL/RR-75587	Global climate change and international security	Rice, M.	1991 Jan 01
2.1M	ANL/RR--75587	Global climate change and international security. Report on a conference held at Argonne National Laboratory, May 8-10, 1991	Rice, M.	1991 Dec 31
	UCRL-JC--128650; CONF-980121--	National assessment of the consequences of climate change for the United States	MacCracken, M. C.; Lillis	1997 Oct 01

Older reports are being digitized and added as funds permit

New feature: Document Discussion

DOE Scientific and Technical Information

INFORMATION
BRIDGE

DOE Scientific and Technical Information

DOE • OSTI

FAQ • Widget

Home • Basic Search • Fielded Search • Alerts • Help

A SCIENCE Accelerator Resource

The **Information Bridge: DOE Scientific and Technical Information** provides free public access to full-text documents and bibliographic citations of [Department of Energy](#) (DOE) research report literature. Documents are primarily from 1991 forward and were produced by DOE, the DOE contractor community, and/or DOE grantees. Legacy documents are added as they become available in electronic format.

The **Information Bridge** contains documents and citations in physics, chemistry, materials, biology, environmental



[See Document Discussion](#)

[How to Add a Discussion](#)

Search Information Bridge for:

Search

- Users now may comment on or engage in discussions on reports.
- The user name will display, but not the email address.
- Comments or discussion will display along with the bibliographic citation.

Document Discussions

Discuss

Top Quark--Heavy Stuff:

With the recent news on the Large Hadron Collider (LHC) at CERN searching for the Higgs boson, it was interesting to relive the discovery of its related particle the Top Quark. DOE's R&D Accomplishments (<http://www.osti.gov/accomplishments/topquark.html>) has a special feature on the Top Quark with some other articles and information that I found helpful. This article makes the top quark has been found. "This is heavy stuff Doc" (both literally-as the top quark is the heaviest known fermion--and figuratively--relating how impressively serious the discovery), as Marti M. say in "Back to the Future", and Doc Brown would wonder why everything was so massive in the future? All matter antics aside, this is quite an impressive find, and was interesting to go back and through some thirteen years later. The diagrams, charts, and graphs positioned throughout the article were highly successful in describing the various aspects of the top quark research. Since introduction to this paper was helpful and descriptive in laying the case for the existence of the top quark, as well as explaining what the standard model is about. It is amazing to see where we have particle physics, and thirteen years after the top quark discovery it will be exciting to see where this field will take us.

posted by er.dom - Sep 11, 2008 5:06 PM

User Name: (for display)

Email Address: (Email address will NOT be displayed.)

Discussion Subject:

Add Discussion Clear Form (All fields required. Document Discussions not displayed until approved.)

You requested it! MARC Records from Information Bridge

Launched June 08



OSTI - MARC Records - Windows Internet Explorer

http://www.osti.gov/marcrecords.html

auburn university library

File Edit View Favorites Tools Help

OSTI - MARC Records

OSTI

Office of Scientific & Technical Information

U.S. Department of Energy

www.osti.gov

OSTI > Key Databases & Resources

MARC Records

Search:

OSTI Website

SCIENCE Accelerator

Go!

Home

Key Resources

- Science Accelerator
- DOE Data Explorer
- Science.gov
- International
- ScienceLab
- Library Tools & Special Services
- Customized Resources for Others

About OSTI

- Mission
- Milestones
- Awards and Honors
- Accelerating Access
- Scientific Research Data
- Innovation
- Alliances
- Capabilities
- OSTI History

MACHINE-Readable Cataloging (MARC) Records for Full-text Reports Contained in Information Bridge Now Available!

[Download MARC Records](#)

Sample Records

[Download MARC Sample Records Here](#)

Produces 27 records

Please Only Click Once - Sample May Take A Moment To Process

OSTI **MARC** Records are derived from over 170,000 existing *Information Bridge* records. The *Information Bridge* provides free public access to full-text documents and bibliographic citations of DOE research report literature. Documents are primarily from 1991 forward and were produced by DOE, the DOE contractor community, and/or DOE grantees. Legacy documents—including U.S. Atomic Energy Commission (AEC) documents dating back to the 1940s—and **MARC** records, are added as they become available.

'MARC records' is a widely used phrase within the library science community. For more information, see the

OSTI now provides free MARC records for the reports in Information Bridge. These can be loaded into library catalogs.

This means your patrons will not be required to search a separate database to find energy-related STI

You requested it! MARC Records

- Libraries have the option of loading over 180,000 records.
- Each record has an 856 field with a URL for the full text.
- Libraries can select specific subject categories for which to download records and also choose the years desired.
- The MARC records are derived from the existing OSTI records. By that, we mean that OSTI did not have catalogers creating each individual MARC record. We created a program to take the information from the existing records used by the Information Bridge and place it in the appropriate MARC field.

You requested it! MARC Records

University of Denver Penrose Library - Windows Internet Explorer

Record: [Prev](#) [Next](#)

Title Hybrid Electric Vehicle Fleet and Baseline Performance Testing [electronic resource].
Publ Info Reston, Va. : American Society of Civil Engineers. ; Oak Ridge, Tenn. : distributed by the Office of Scientific and Technical Information, U.S. Dept. of Energy, 2006.

The links below are for electronic versions of this publication:
[Access online](#)

Internet	LOCATION	CALL #	ONLINE	STATUS
Description	1 electronic text : digital, PDF file.	E 1.99:INL/CON-05-00415		
Series	INL/CON-05-00415			
Note(S)	DOE technical report ; INL/CON-05-00415 "INL/CON-05-00415" 04/01/2006. J. Francfort; D. Karner. Published through the Information Bridge: DOE Scientific and Technical Information. SAE 2006 World Congress, Detroit, MI, 04/03/2006, 04/07/2006.			
Summary	The U.S. Department of Energy's Advanced Vehicle Testing Activity (AVTA) conducts baseline performance and fleet testing of hybrid electric vehicles (HEV). To date, the AVTA has completed baseline performance testing on seven HEV models and accumulated 1.4 million fleet testing miles on 26 HEVs. The HEV models tested or in testing include: Toyota Gen I and Gen II Prius, and Highlander; Honda Insight, Civic and Accord; Chevrolet Silverado; Ford Escape; and Lexus RX 400h. The baseline performance testing includes dynamometer and closed track testing to document the HEV's fuel economy (SAE J1634) and performance in a controlled environment. During fleet testing, two of each HEV model are driven to 160,000 miles per vehicle within 36 months, during which maintenance and repair events, and fuel use is recorded and used to compile life-cycle costs. At the conclusion of the 160,000 miles of fleet testing, the SAE J1634 tests are rerun and each HEV battery pack is tested. These AVTA testing activities are conducted by the Idaho National Laboratory, Electric Transportation Applications, and Exponent Failure Analysis Associates. This paper discusses the testing methods and results.			
Note(S)	Report is also available in paper and microfiche from NTIS.			
Note	DE-AC07-99ID-13727			
Subject	Battery Economy Fuel Hybrid Testing Vehicles			
Local Subject(S)	Dynamometers.			
Subject(S)	Energy conservation, Consumption, And Utilization.			
Local Subject(S)	Life cycle costing. Maintenance. Performance Testing. Performance. Repair. Testing.			
Other Author	D. Karner Author. J. Francfort Author.			
Other Corp	American Society of Civil Engineers, Sponsor. Idaho National Laboratory, Researcher. United States, Dept. of Energy, Office of Scientific and Technical Information, Distributor.			
Report #	INL/CON-05-00415			
Govt. Doc#	E 1.99:INL/CON-05-00415			

Permanent URL for this record > <http://130.253.4.27>

Search Prospector
DU-Law
CU-Boulder
CSU
Auraria
CU-Health Sciences
UNC
CU-Springs

Start | Inbox - Microsoft Outlook | Trusted sites | 100% | 3:03 PM

Sample record from a library that has already begun loading some of the Information Bridge MARC records

Get to MARC records from our "Library Tools and Special Services" page

The screenshot shows the OSTI website's "Library Tools and Special Services" page. The page title is "Library Tools and Special Services" and the URL is "www.osti.gov". The page content includes a search bar, a navigation menu on the left, and several sections of links. Yellow arrows point to the following links:

- [Bibliographic Record](#)
- [Machine-Readable Cataloging \(MARC\) Records](#)
- [Alert Services](#)
- [News](#)
- [Flyers](#)
- [Widgets](#)

The navigation menu on the left includes: Home, Key Resources (Science Accelerator, DOE Data Explorer, Science.gov, International, ScienceLab), Library Tools & Special Services, Customized Resources for Others, About OSTI, Mission, Milestones, Awards and Honors, and Accelerating Access.

- [MARC records and OAI links](#)
- [Alert Services](#)
- [News](#)
- [Flyers](#)
- [Widgets](#)

OSTI - MARC Records - Windows Internet Explorer
http://www.osti.gov/marcrecords.html
auburn university library

OSTI > Key Databases & Resources

MARC Records

Machine-Readable Cataloging (MARC) Records for Full-text Reports Contained in Information Bridge Now Available!

[Download MARC Records](#)

Sample Records
[Download MARC Sample Records Here](#)
Produces 27 records
Please Only Click Once – Sample May Take A Moment To Process

OSTI **MARC** Records are derived from over 170,000 existing *Information Bridge* records. The *Information Bridge* provides free public access to full-text documents and bibliographic citations of DOE research report literature. Documents are primarily from 1991 forward and were produced by DOE, the DOE contractor community, and/or DOE grantees. Legacy documents—including U.S. Atomic Energy Commission (AEC) documents dating back to the 1940s—and **MARC** records, are added as they become available.

'MARC records' is a widely used phrase within the library science community. For more information, see the Library of Congress [MARC Standards](#) and [Understanding MARC](#) web pages.

The U.S. Department of Energy (DOE) Office of Scientific and Technical Information (OSTI) offers librarians and the library community the opportunity to download records of DOE Scientific and Technical Information (STI) in MARC format. By using OSTI's MARC download, librarians can now easily expand access to a variety of scientific research straight from their catalogs. This is a free public service provided by OSTI. We appreciate your thoughts, comments, and questions MARCrecords@osti.gov.

OSTI **MARC** Records follow *Information Bridge* categories of physics, chemistry, materials, biology, environmental sciences, energy technologies, engineering, computer and information science, renewable energy, and other topics of interest related to the DOE mission.

Search:
 OSTI Website
 SCIENCE Accelerator

Home
Key Resources
Science Accelerator
DOE Data Explorer
Science.gov
International
ScienceLab
Library Tools & Special Services
Customized Resources for Others
About OSTI
Mission
Milestones
Awards and Honors
Accelerating Access
Scientific Research Data
Innovation
Alliances
Capabilities
OSTI History
Statutory Authority
Leadership & Staff
Communications
News
Publications
Speeches & Presentations
Videos
OSTI Events

Click on "Download MARC Records" to go to a page with the various download options.

U.S. Department of Energy MARC Records System

[For retrieval of Information Bridge catalog records in the MARC format](#)

Generate Records by Subject Category

Use this option to search for records by Subject Category. These records can be filtered by a publication date range and larger files can be broken down into multiple files.

[Search By Subject Categories](#)

Generate Records by Year

Use this option to download files by publication year. Larger files can be broken down into multiple files.

[Search By Year](#)

Generate Records by OSTI ID

Use this option to download files by a particular OSTI ID or multiple OSTI ID's.

[Search By OSTI ID](#)

[Search By Year](#) | [Search By Subject Categories](#) | [Search By OSTI ID](#)

The DOE Office of Scientific and Technical Information (OSTI) is the Department of Energy's central scientific and technical information coordinating office responsible for ensuring that STI is identified, processed, disseminated, and preserved for appropriate access and for accomplishment of [DOE's mission](#). The information provided to OSTI is handled in accordance with the access/distribution limitation provided in the DOE F 241. Unclassified, unlimited STI is announced to the public on the DOE Information Bridge (www.osti.gov/bridge) or Energy Citations Database (www.osti.gov/energycitations).

This is a U.S. Federal Government Computer System. To protect the system from unauthorized use and to ensure that it is functioning properly, activities on this system may be monitored, recorded, and subject to audit. Use of this system constitutes expressed consent to such monitoring and recording. Any unauthorized access to or use of this information system is prohibited and could make you subject to criminal and civil penalties.

Here you can select to download records *by subject category, by year or by OSTI ID number.*

Questions or comments on MARC Records?

- MARCreports@osti.gov
- osti.gov/tools
- **Demos of MARC records and more info available at the OSTI booth.**



Retrospective database of energy related STI, including depository microfiche in many libraries.

Energy Citations Database

Contains over 2.3 million citations

- Nuclear Science Abstracts, 1948-1976
- Energy Research Abstracts, 1976-1995
- Entire Information Bridge

Energy Citations Database (ECD) -- Document #21028314 - Windows Internet Explorer

http://www.osti.gov/energy/citations/product.biblio.jsp?query_id=1&page=0&osti_id=21028314

Energy Citations Database (ECD) -- Document #2102...

Live Search

Energy Citations Database (ECD) -- Document #21028314

1948 - present

2007
2006
2007

About ECD
Site Map

Energy Citations Database

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Bibliographic Citation

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 For copies of **other documents**, please contact the Resource Availability, Publisher, Research Organization, Resource Relation and/or Author (affiliation information) fields and/or [Document Availability](#).

DOI [10.1016/j.jcp.2007.02.034](https://doi.org/10.1016/j.jcp.2007.02.034)

Title The origins of computer weather prediction and climate modeling

Creator/Author [Lynch, Peter](#) (Meteorology and Climate Centre, School of Mathematical Sciences, University College Dublin, Belfield (Ireland)), E-mail: Peter.Lynch@ucd.ie

Publication Date 2008 Mar 20

OSTI Identifier OSTI ID: 21028314

Other Number(s) Journal ID: ISSN 0021-9991; JCTPAH; TRN: US08R0985050229

Resource Type Journal Article

Resource Relation Journal: Journal of Computational Physics; Journal Volume: 227; Journal Issue: 7; Other Information: DOI: 10.1016/j.jcp.2007.02.034; PII: S0021-9991(07)00095-2; Copyright (c) 2007 Elsevier Science B.V., Amsterdam, The Netherlands, All rights reserved; Country of input: International Atomic Energy Agency (IAEA)

Subject 71 CLASSICAL AND QUANTUM MECHANICS, GENERAL PHYSICS; CLIMATE MODELS; CLIMATES; CLIMATIC CHANGE; COMPUTERIZED SIMULATION; EQUATIONS; FORECASTING; SATELLITES; WEATHER

Description/Abstract Numerical simulation of an ever-increasing range of geophysical phenomena is adding enormously to our understanding of complex processes in the Earth system. The consequences for mankind of ongoing climate change will be far-reaching. Earth System Models are capable of replicating climate regimes of past millennia and are the best means we have of predicting the future of our climate. The basic ideas of numerical forecasting and climate modeling were developed about a century ago, long before the first electronic computer was constructed. There were several major practical

Notice above the title there is a DOI
 The Digital Object Identifier (DOI®) System is for identifying content objects in the digital environment.
 Many library databases provide access to the full-text of journal articles using DOIs.

Other OSTI Collections



OSTI Federated Search Products



Wow!

OSTI has a lot of databases and search tools!


How will I ever remember all of them or know which ones to search?

Science Accelerator, Office of Scientific and Technical Information, U.S. Department of Energy - Mozilla Firefox

File Edit View History Delicious Bookmarks Tools Help

http://www.scienceaccelerator.gov/

[Advanced Search](#) | [About](#) | [Resource Descriptions](#) | [Help](#) | [FAQ](#) | [Site Map](#) | [Contact Us](#) | [OSTI](#) | [Widget](#)



Search [key resources](#) from DOE OSTI
To pick resource(s) and/or to search by field(s), see [Advanced Search](#)

For your convenience, you may add this search feature to your home page by selecting the [Science Accelerator Widget](#).

Science Accelerator searches science, including R&D results, project descriptions, accomplishments, and more, via resources made available by the Office of Scientific and Technical Information (OSTI), U.S. Department of Energy. **Science Accelerator** was developed and is [made available by OSTI](#) as a free public service.

[Contact Us](#) | [Website Policies and Important Links](#)

Resources: [DOE R&D Accomplishments](#) • [DOE R&D Project Summaries](#) • [DOepatents](#) • [E-print Network](#) • [Energy Citations Database](#) • [Energy Science and Technology Software Center](#) • [EnergyFiles](#) • [Federal R&D Project Summaries](#) • [Information Bridge](#) • [Science Conference Proceedings](#)

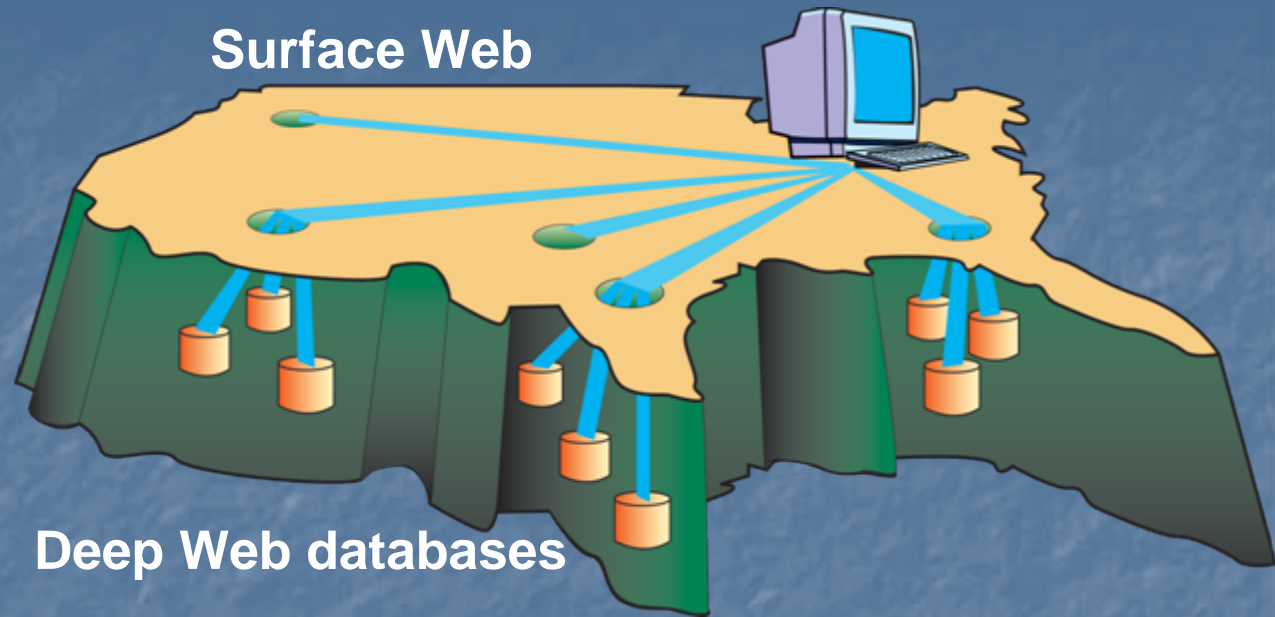
Done

Start FDLC Presentation Science Accelerator, ...

10:13 AM

Science Accelerator is a federated search tool that covers all of the OSTI products that we have just seen.

**Federated
search drills
down to the
deep Web
where
scientific
databases
reside**



**Federated search systems
probe the deep web**

Science Accelerator - Advanced Search - Windows Internet Explorer

http://www.scienceaccelerator.gov/dsa/search.html

SCIENCE Accelerator

HOME/SEARCH **ADVANCED SEARCH** ABOUT RESOURCE DESCRIPTIONS

Use double quotes for searching an exact phrase.

Full Record:
Title:
Author:

Match: All Field(s)

Date Range: From Pick year To Pick year

Search Reset

Powered by exploreIT

- All Resources
- Recent R&D Results
 - Full-text documents ([DOE Information Bridge](#))
 - Scientific e-prints ([E-print Network](#))
 - Conference papers and proceedings ([Science Conference Proceedings](#))
- Legacy R&D Results (1943 forward)
 - Significant outcomes via full-text documents and/or DOE-associated Nobel Laureates([DOE R&D Accomplishments](#))
 - Patents resulting from DOE R&D ([DOE Patents](#))
 - Bibliographic records ([Energy Citations Database](#))
- R&D Project Descriptions
 - Ongoing and recent DOE research summaries ([DOE R&D Project Summaries](#))
 - Federal research summaries ([Federal R&D Project Summaries](#))
- Other Science Resources
 - Federally-funded scientific and technical software([Energy Science and Technology Software Center](#))

- Search all of the databases or select individual databases.
- Search recent R&D results or search legacy R&D dating back to the 1940s.
- Search R&D product descriptions or other science resources.

Science Accelerator - Result List - Windows Internet Explorer

http://www.scienceaccelerator.gov/dsa/resultList.html?ssid=74e593eb:11aa48b2d98:646e&startPosition=0&refresh=true

Science Accelerator

FAQ | Help | Site Map
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HOME/SEARCH ADVANCED SEARCH ABOUT RESOURCE DESCRIPTIONS

climate change Search Refine Results Preferences

Your search: climate change 10 of 10 resources complete. Powered by **exploit**

Page: << < 1 2 3 4 5 6 7 8 9 10 > >> Results 1 - 25 of 229 Include additional 588 results? **Yes**

List Marks Clear Marks View Results by: Rank

- 1 ★★★★★ [Climate Change 17](#)
2007-02-26
P/INL--101187
DOE R&D Project Summaries
- 2 ★★★★★ [Climate Change 18](#)
2007-02-26
P/INL--101188
DOE R&D Project
- 3 ★★★★★ [Climate Change](#)
2007-06-04
P/INL--101214
DOE R&D Project Summaries
- 4 ★★★★★ [Climate Change Energy Technology Strategy](#)
2007-08-02
P/PNNL--P/PNNL-46200J
DOE R&D Project Summaries
- 5 ★★★★★ [Climate Change Prediction Program Chief Scientist](#)

Search and Ranking Completed

Include additional 588 results? (May initiate reranking)

Don't show this again.

Yes **No**

- Get results ranked by relevance
- Get immediate results, and an option to view more results as databases complete searching
- View results or opt to go directly to most relevant databases for further exploration



Interface similar to Google

Under the hood, NOT like Google

- **USA.gov's portal for science**
- **Resources represent 97 percent of the federal R&D budget!**

Departments of Agriculture, Commerce, Defense, Education, Energy, Health and Human Services, the Interior, Environmental Protection Agency, Library of Congress, National Aeronautics and Space Administration, National Science Foundation, United States Government Printing Office, and the National Archives and Records Administration

Science.gov v5.0: Search Results - Windows Internet Explorer

http://www.science.gov/scigov/resultList.html?ssid=124d18a2%3A11c9bc7c39e%3A-7d2f8&debugMode=false&searchUrl=search.html%3Fget%3Dtrue%26fullRecord%3Dalternat

File Edit View Favorites Tools Help

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science.gov
USA.gov for SCIENCE
Version 5.0

Refine Results New Search Advanced Search Deep Web

Search: Full Record: alternative energy
2,514 ranked results of 3,525,341 available
37 of 37 sources complete.

Results 1 - 10 of 2,514 Sort by: Rank Limit to: All Sources Summary of All Results

Your Selections (0) Clear Selections Email Results Session Preferences Print Page

Clusters

- All Results (2514)
- Topics
 - Alternative Fuels (189)
 - Method (134)
 - Activity (129)
 - Department of Energy (111)
 - Model (99)
 - More...
- Dates
 - 2008 (599)

Impact of alternative energy systems on the estimated feed requirements of pigs with varying lean and fat tissue growth rates when fed corn and soybean meal-based diets.
Schinckel, A. P. 2008-01-01
AGRICOLA Articles

Shale Oil: Alternative Energy or Environmental Degradation [electronic resource].
Parks, N. 2008-01-01
AGRICOLA Articles

BFRL: Heat Transfer and Alternative Energy Systems Group
2008-09-10
... Energy Efficient Office Study ... of the Heat Transfer and Alternative Energy System Group is to promote ... and competitiveness in the alternative energy and energy conservation sector by advancing measurement ...
Science.gov Websites

Wikipedia

Alternative energy

Alternative energy is typically defined as coming from sources that do not deplete natural resources or harm the environment. Wind power is a typical example. The term alternative is used to contrast ...
[more...](#) [exit federal site]
[disclaimer](#)

EurekAlert!

Science.gov Version 5.0

- Quadrupled the content – now searches 200 million pages of science information
- Offers clustering technology, Wikipedia results and EurekAlert! Science News
- Updated Alerts feature

Science Accelerator covers
DOE science.

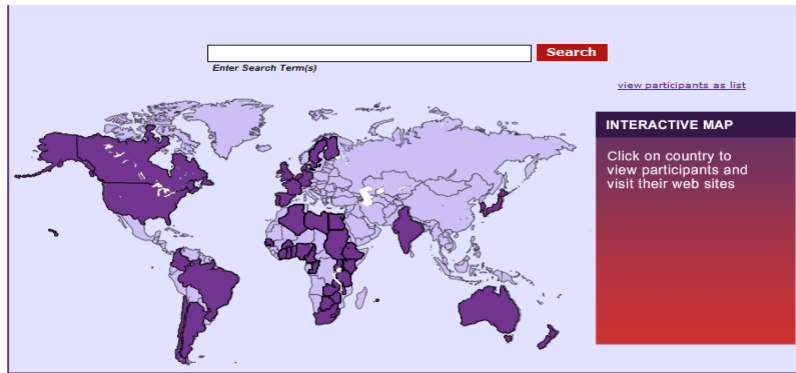
Science.gov covers
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the next logical step ... the world!



WORLDWIDESCIENCE.ORG

The Global Science Gateway



- A federation of the leading science portals sponsored by the governments and national institutions of over 50 countries
- A quantity of science (more than 375 million pages from every inhabited continent) comparable to, but not duplicative of, Google's entire science content.
- A breakthrough in content enabled by breakthrough technology

The Global Science Gateway

WorldWideScience Alliance Signing Ceremony

12th June 2008 in COEX intercontinental Hotel Seoul, Korea

Hosted by  KISTI

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Officials from organizations representing 38 countries [gathered in Seoul, Korea](#) to formalize their commitment to sustain and build upon the online gateway to the world's science information.

The Alliance membership covers six continents and nearly half of the world's population. China just joined!

What's New at OSTI?

The screenshot shows the DOE Data Explorer website in a Windows Internet Explorer browser window. The address bar displays <http://www.osti.gov/dataexplorer/>. The website header includes the DOE Data Explorer logo and the tagline "Discovering Data in the Department of Energy". A navigation menu contains links for HOME, ABOUT, FAQs, HELP, DOE DATA CENTERS, COMMENT FORM, and SITE INDEX. The main content area features a "Browse by:" section with a "Title" dropdown menu and a "Submit" button. Below this is a "Search for:" section with a text input field and a "Submit" button. The main text describes the DOE Data Explorer (DDE) as a tool for finding scientific research data, including computer simulations, numeric data files, figures, plots, interactive maps, multimedia, and scientific images. It mentions that the DDE includes a database of citations prepared by the Office of Scientific and Technical Information (OSTI) based on information found at data-hosting Web sites. A "Featured Data Collection" section highlights the "Evaluated Nuclear Data File (ENDF)" with a thumbnail image and links to "View the citation" and "Go directly to the data". An "Advanced Search" link is located in the bottom left corner of the main content area.

Types of content included in the DOE Data Explorer:

- Computer Models/Simulations
- Figures/Plots
- Interactive data maps
- Multimedia
- Numeric Files/Datasets
- Scientific images
- Specialized Mix

Questions?

Don't forget to visit the OSTI booth!

Dr. Walter L. Warnick

Director

DOE Office of Scientific and Technical Information