



Goals of the DOE Scientific and Technical Information Program



January 22, 2003

Sharon Jordan



FY 02 Activities

- Web Documents Post 9/11
- Harvesting STI
- Seeking ways to improve the comprehensiveness of STI
- Updating OSTI's tools





Web Document Access Post 9/11

- Statutorily-based access limitations are well defined in STI Order and Guide. Distribution markings were outcome of first STICG in 1980s.
- Based on post 9/11 HQ and White House guidance, OSTI and its STIP partners conducted a review of unclassified/unlimited STI posted on the web.
- Initially 9,170 STI documents were removed from public access, pending reassessment.
- Excluding LANL, only 500 documents remain “unresolved” at this time.
- OSTI also coordinated with NTIS and with NRC.
- Striking a balance between information access and appropriate protection is a key mission of OSTI, since the 1940s.



Harvesting

- New method of gathering existing bibliographic data and full-text links from DOE labs into OSTI's databases
- Began initiative last year with pilot; now in production mode
- Goal is to increase coverage of STI across DOE, yet reduce reporting burden on labs (i.e., to eliminate "submission" effort)
- Uses an application of XML and Dublin Core metadata in OAI implementation
- Harvested data are included in OSTI's systems, with links to full text at hosting site



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- Four sites are operational, include quality control/monitoring/maintenance.
- Anticipate 2-3 additional participants within first quarter FY03.

Lab	Harvesting Status
NREL	STI harvesting in production on 1/3/02.
ANL	IPNS user facility data in production on 6/29/02. Procedures ongoing to harvest APS user facility data.
PNNL	PNNL harvesting in production on 10/23/02.
LLNL	LLNL harvesting went into production in December 2002.
LANL	Data mapping complete; communication ongoing.
INEEL	INEEL access configuration being modified so that planning with OSTI can advance to next stage.
BNL	Harvesting to be initiated after BNL database migration to Oracle is completed.
LBNL	LBNL wants to continue to rely on batch submissions for immediate future.
ORNL	ORNL wants to rely on batch submissions.
SLAC	SLAC wants to rely on batch submissions.



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Including STI from DOE User Facilities

Light Sources

- National Synchrotron Light Source, NSLS, at BNL
- Stanford Synchrotron Radiation Laboratory, SSRL, at SLAC
- Advanced Light Source, ALS, at LBNL
- Advanced Photon Source, APS, at ANL

Neutron Sources

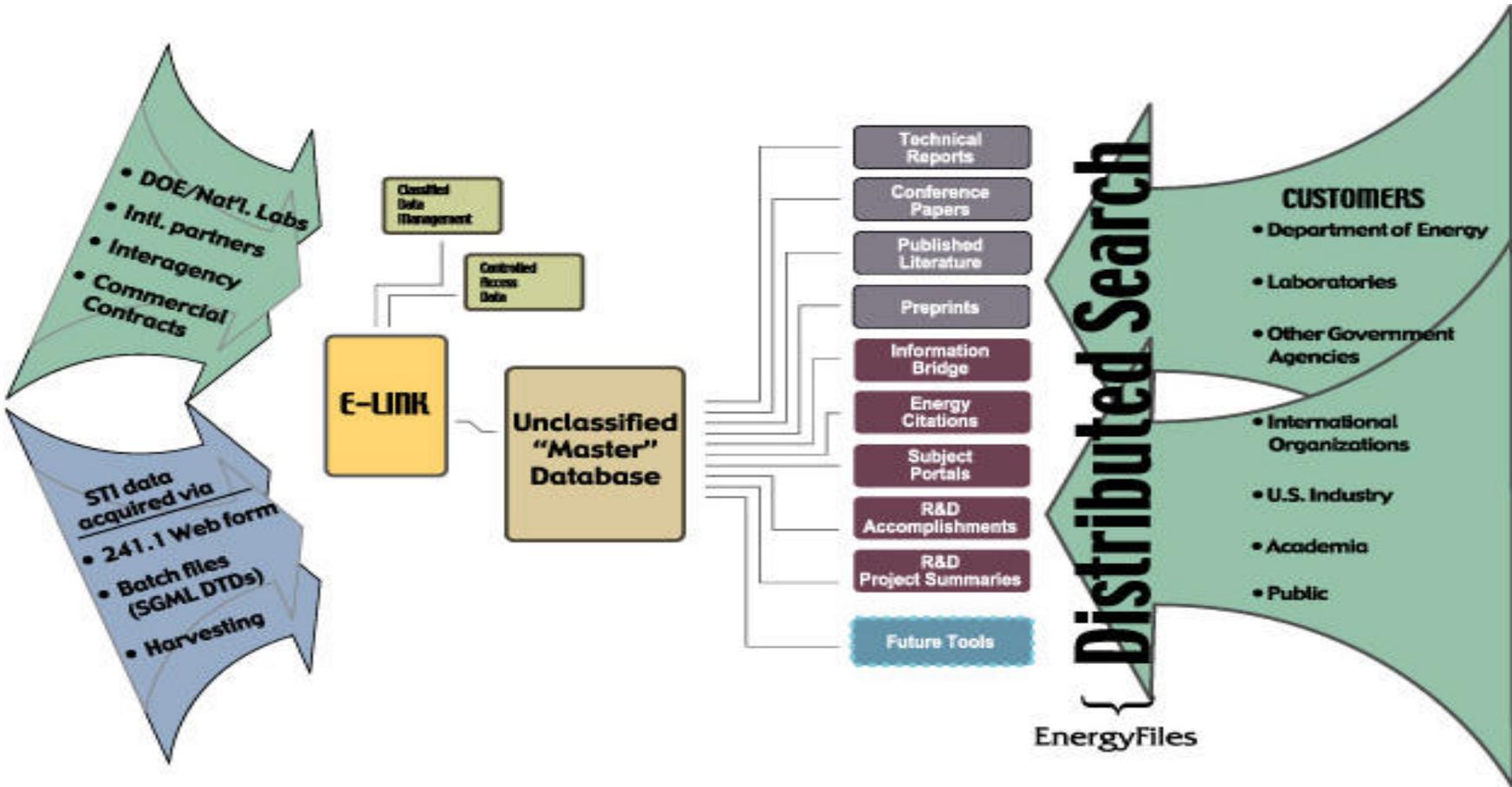
- High Flux Isotope Reactor, HFIR, at ORNL
- Intense Pulsed Neutron Source, IPNS, at ANL
- Los Alamos Neutron Science Center, LANSCE, at LANL

Special Single-Purpose Centers

- Combustion Research Facility, CRF, at SNL in Livermore, CA
- Environmental Molecular Sciences Laboratory, EMSL, at PNNL



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About OSTI

- [Resource Descriptions](#)
- [Capabilities](#)
- [A - Z Index](#)

Discover and use the scientific and technical information resources of the Department of Energy's **Office of Scientific and Technical Information (OSTI)** in broad disciplines such as physics, chemistry, materials, biology, engineering, energy efficiency, and other related subject areas. [Resources](#) include tools for cross searching bibliographic citations, full-text technical reports, preprints, and journals citations residing in multiple databases and Web sites.

News & Highlights

- [25th Anniversary of the Department of Energy](#)
- Dr. Walter L. Warnick, OSTI Director, to speak at 2002 Federal Depository Conference
- Energyfiles Re-Energized: [See the Latest Updates!](#)

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energy.gov [FIRST GOV](http://FIRSTGOV) science.gov

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SEARCH options

- [Energy citations](#)
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- [Scientific journals](#)
- [Preprint servers](#)
- [Information by subject](#)
- [R&D Accomplishments](#)
- [DOE Community Only](#)

OSTI Home Page Now Offers Search Options

- Redesigned page undergoing usability review.
- Key feature is the option to do single-query search of OSTI resources

Subject Pathways

Within each Subject Pathway below you will find diverse resources hosted by a variety of agencies and organizations. Each Subject Pathway is preceded by a brief explanation of the types of information found under that specific subject category, followed by three distinct sets of resources.

- **Searchable Databases** – a distributed deep Web search across subject-specific databases and Web sites;
- **STI Resources and Tools** – links to resources and sites within each subject;
- **Related Resources** – links to professional organizations, conferences, funding information and reference material within each subject.

Find out [what else is new](#) on EnergyFiles version 3.0.

Select a Subject

- [Multidisciplinary Databases and Resources](#)

- [Biology and Medicine](#)
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- [Physics](#)
- [Plasma Physics and Fusion](#)
- [Power Transmission, Distribution, and Plants](#)
- [Renewable Energy](#)

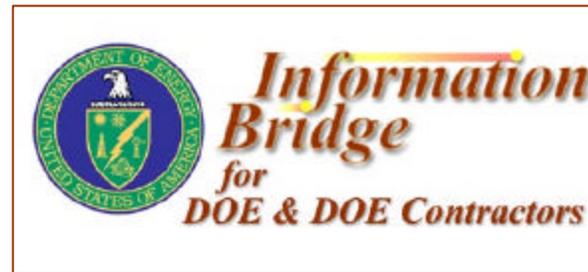


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www.osti.gov/bridge

www.osti.gov/doebridge

- Over 100,000 full-text documents
- In FY 02, users downloaded 500,000 full-text documents, totaling over 15 million pages.
- DOE/contractor version is a resource for certain documents not accessible to public (international exchange and interim records undergoing review post 9/11)
- User improvements are being made (streamlined Dublin-Core metadata and search functionality; single page displays)
- Renewed 5-year agreement with Government Printing Office





Welcome to the **Energy Citations Database (1948 – Present)** Web site. The **Energy** ([Department of Energy](#)) (**ECD**) is designed and developed by the U.S. Department of Energy (DOE) Office of Scientific and Technical Information (OSTI) with the science-attentive citizen in mind. Its creation is consistent with OSTI's objective to provide easier and faster access to the Department's scientific and technical information. **Energy Citations** is publicly available without charge to users.

Agency Information		
		
AEC	ERDA	DOE

Energy Citations contains bibliographic records for energy and energy-related scientific and technical information from the Department of Energy (DOE) and its predecessor agencies, the Energy Research & Development Administration (ERDA) and the Atomic Energy Commission (AEC). The Database provides access to DOE publicly available citations from 1948 through the present, with continued growth through regular updates.

Energy Citations includes bibliographic records of literature in disciplines of interest to DOE such as

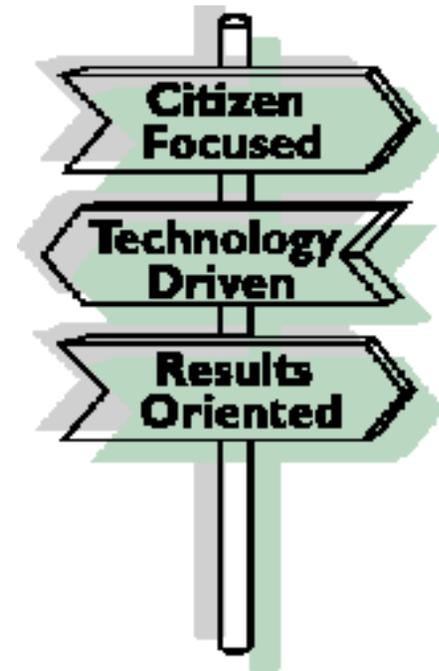
- **Tool unveiled in October 2001, offering online access to citations from 1948 forward.**
- **During premier year, database and capabilities were being matured.**
- **Has been lauded by many, yet we are aware of some needed improvements.**



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Initiatives for FY03

- **Update STIP Strategic Goals**
- **Increase STI Harvesting**
- **Incorporate Legacy Data**
- **Ensure Usability**





STIP Strategic Plan Update

- **Goals from 1997 plan have been updated by STIP partners:**
 - 1. Provide convenient, timely and appropriate access to STI in a customer-driven form.***
 - 2. Build on collaborative relationships to support the Department's STIP***
 - 3. Use best business practices, as articulated in DOE G 241.1A-1, to ensure effective life-cycle management of STI.***
- **New strategies such as harvesting and incorporating legacy data are being identified to meet these goals.**



Legacy Data Project

- **Project offers opportunity to increase electronic access to STI, specifically for legacy documents that were only available in paper**
- **OSTI and laboratories are coordinating efforts to identify digitized STI documents or collections**
- **Currently piloting with ORNL to test OSTI-and-Lab legacy data exchange**
- **Goal is to update existing OSTI citations (back to 1948, now in Energy Citations) and add links to provide electronic full-text access**
- **After pilot completed, capability will be offered to other labs**



Product & Service Focus for FY 03

Quality vs Quantity

- Plan to follow up on BOV recommendations.

User Feedback

- Plans under way to develop better user feedback strategies in FY 03.

Tools such as Energy Citations and InfoBridge

- Seek best delivery of STI to meet patrons' needs, including internal DOE needs



InForum/Annual Information Technology Conference

OSTI is again planning to partner with CIO in FY 03.

But AITC site and date still unknown, so decision is pending.