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

State of STI in the Department of Energy

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STICG Meeting
Jan. 22, 2003

Electronic Goal Achieved

All DOE laboratories and other contractors met the goal to make STI available electronically.

This achievement was recognized by the Secretary in March 2002.

Strength Through Science

Certificate of Achievement

Presented to:

SCIENTIFIC AND TECHNICAL INFORMATION PROGRAM TEAM

For successfully completing the transition from paper to electronic technical information reporting three years ahead of the DOE goal, using collaboration and best practices in a fully integrated E-government environment. This DOE-wide achievement ensures that information resulting from the Department's R&D activities is readily accessible to all appropriate users and supports the advancement of scientific knowledge.

Spencer Abraham
Secretary of Energy

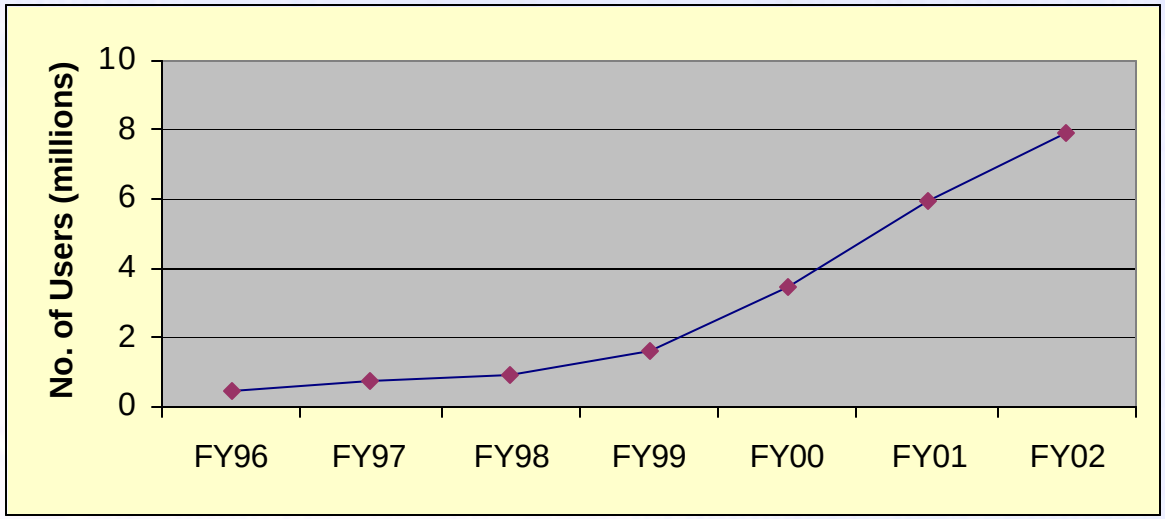
3/15/02
Date

Web Usage

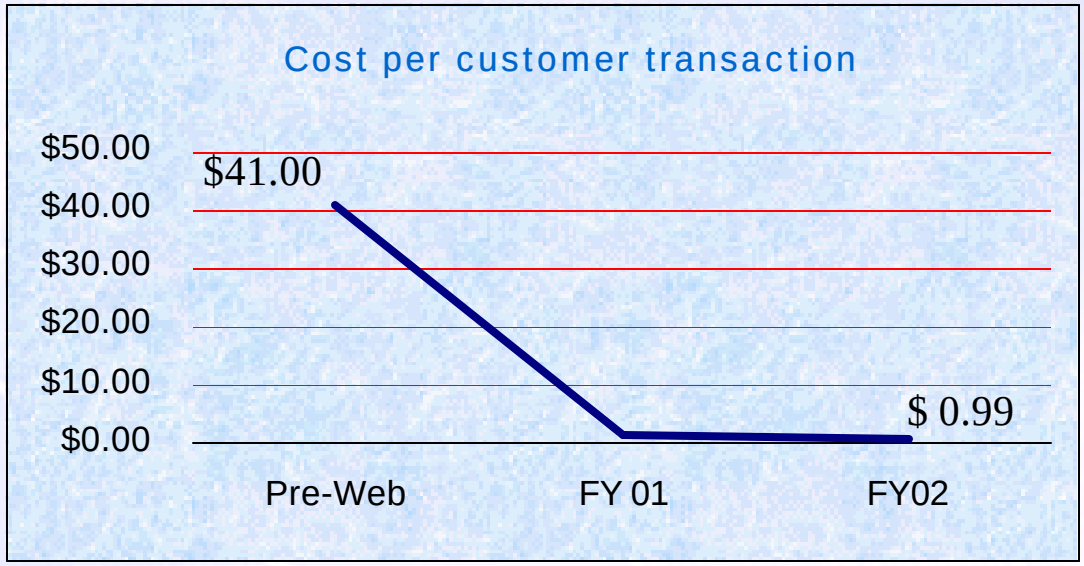
Usage Continues to Grow, Making DOE STI More Visible and Used

OSTI's WEB-BASED TOOLS HAD 7.9 MILLION USES IN FY 2002

THIS IS A 32% INCREASE FROM PREVIOUS YEAR



Improving Efficiency and Effectiveness



Streamlined procedures and new technologies for capturing R&D deliverables have reduced costs while reducing the burden for DOE labs, grantees, and others.

DRAMATIC REDUCTION IN COSTS PER USER

Board of Visitors

- Review of OSTI was conducted June 18-19, 2002.
- Facilitated by Dr. Dan Hitchcock, Advanced Scientific Computing, DOE Office of Science
- Members included:
  - –William Y. Arms, Cornell University
  - –Martin Blume, American Physical Society
  - –Mark Gilbertson, DOE Environmental Management Office of Basic and Applied Research
  - –Richard E. Luce, Los Alamos National Laboratory
  - –Fred B. Wood, National Library of Medicine/National Institutes of Health

Board of Visitors Findings

- OSTI has made sound decisions in transitioning from paper to electronic environment.
- Unique contribution in supporting science for the nation
- Use of partnerships and collaboration at all levels was lauded:
  - Within DOE, rather than command and control
  - Interagency
  - International
- Remarkable morale and professionalism of staff

Board of Visitors
Summary Recommendations

Resource Development	The Board recognized that OSTI's employees are the organization's greatest asset. Therefore the Board recommended a stronger focus on maintaining Federal expertise through employee development and training.
User Needs & Satisfaction	Board suggested that OSTI gather and respond to user feedback.
Priorities	The Board recommended that OSTI emphasize collecting and disseminating information generated by DOE.

Institutional Repositories

- The latest development in STI is “Institutional Repositories,” typically at universities.
- Seeing this evolution, even before the phrase "Institutional Repository" was coined, we at OSTI set out to help make STI at these sites searchable.

- The PrePRINT Network provides single-query access to geographically dispersed repositories.
- The Network includes not only preprints in the traditional sense, but all "e-prints" or electronic documents of relevant STI hosted by the Institution.
- Currently the Network integrates 10,000 isolated islands of information such that they can be used like one searchable journal.

PubSCIENCE Discontinued

- PubSCIENCE was created in October 1999 to allow the user to search across abstracts and citations of multiple publishers at no cost.
- Recent advances in the private sector resulted in a proposal to discontinue PubSCIENCE.
- Public Notice and Comment Period closed in September.
- PubSCIENCE was discontinued November 4, 2002.

INFOTRIEVE

SCIRUS
for scientific information only

Interagency Partnerships:

Leveraging STI Resources for DOE

- **Long-standing STI partnerships with GPO, NTIS, and DTIC**
- **DOE representative of "CENDI" and the science.gov Alliance**

Science.gov Officially Launched

December 2002

Science.gov aims to bring the substantial resources of the federal science and technology enterprise together, in one place. Working together, federal agencies have assembled countless pages of government research, data, and reports. The site is a great example of e-government in action.

- Dr. John H. Marburger, Director, Office of Science and Technology Policy

- **Interagency group of 14 information offices from 10 major science agencies. OSTI is DOE's representative, and we host the site at www.science.gov.**

- **Concept derived from two workshops sponsored by DOE:**
  - **May 2000 "Physical Sciences Information Infrastructure"**
  - **April 2001 "Strengthening the Public Information Infrastructure for Science"**

- **Contains over 1400 resources, with DOE represented by over 380 DOE URLs. Deep web searching of 30 databases is a key feature, developed by OSTI.**

Science.gov is a gateway to authoritative selected science information provided by U.S. Government agencies, including research and development results.

Science.gov Search Enter Search Terms GO

Search capabilities provided by DOE/OSTI and USGS.

Explore Selected Web Sites by Topic

Sites selected from SciTechResources maintained by the National Technical Information Service.

Agriculture & Food
Food Safety, Gardening, Pesticides, Veterinary Science ...

Applied Science & Technologies
Biotechnology, Electronics, Engineering, Transport ...

Astronomy & Space
Exploration, Planets, Space Technologies ...

Biology & Nature
Animals & Plants, Ecology, Genetics, Pest Control ...

Computers & Communication
Networks, Hardware, Software ...

Earth & Ocean Sciences
Land, Maps, Natural Disasters, Oceans, Weather ...

Energy & Energy Conservation
Energy Use, Fossil Fuel, Solar, Wind ...

Environment & Environmental Quality
Air/Water/Noise Quality, Cleanup, Climate Change ...

Health & Medicine
Disease, Health Care, Nutrition, Mental Health ...

Math, Physics, & Chemistry
Astrophysics, Chemicals, Mathematical Modeling ...

Natural Resources & Conservation
Ecosystems, Energy Resources, Forestry, Mining ...

Science Education
Homework Help, Teaching Aids ... All Topics

Featured Web Sites

Children's Environmental Health & Safety
MEDLINEplus Health Information

NASA
SciTechResources

Climate Information Services Portal
Global Change