



Scientific and Technical Information Program Status, Metrics, and Challenges

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STIP Meeting - April 30, 2003



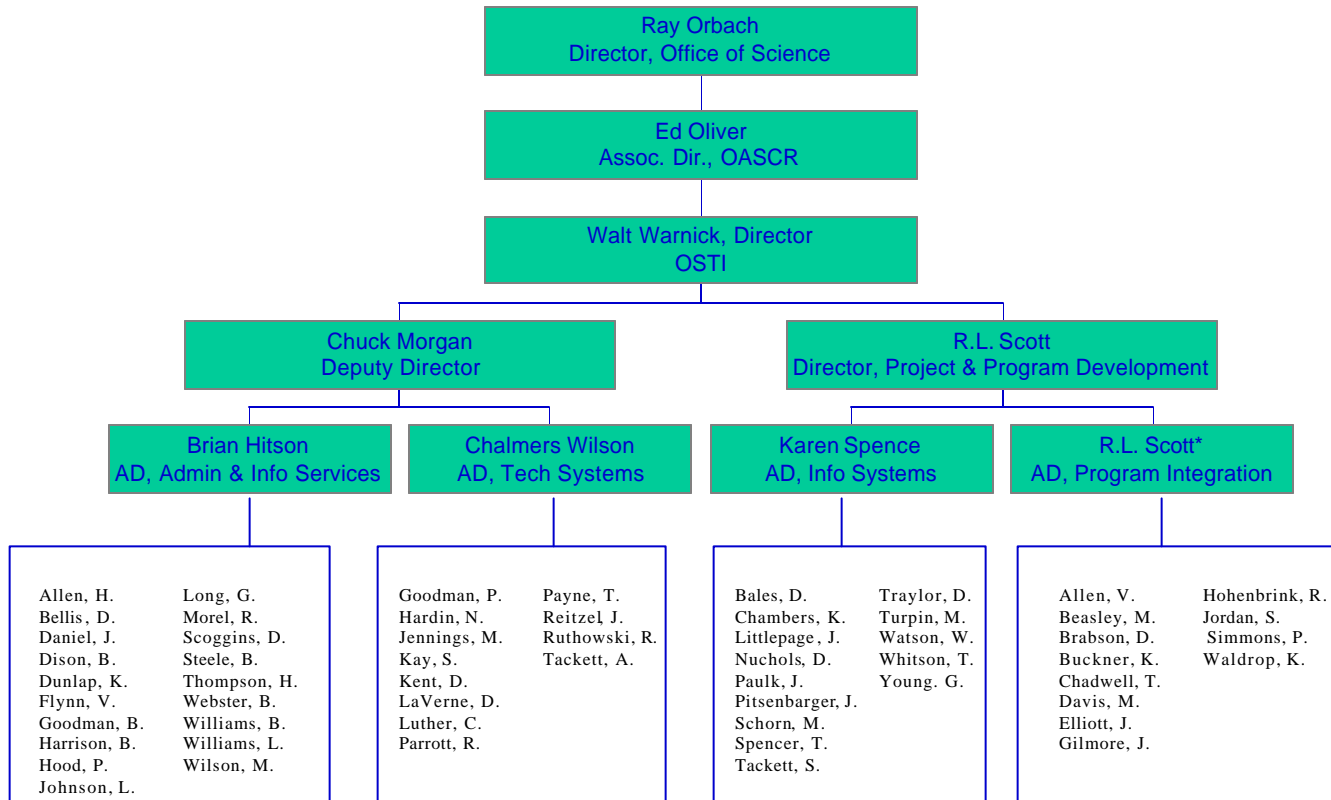
“Administrative Distractions” Since 2002 STIP Meeting

- New IT Contractor in FY02
- Board of Visitors Review
- Office of Science Restructuring
- Organizational Realignment
- A-76 Study – Competitive Sourcing



U.S. Department of Energy

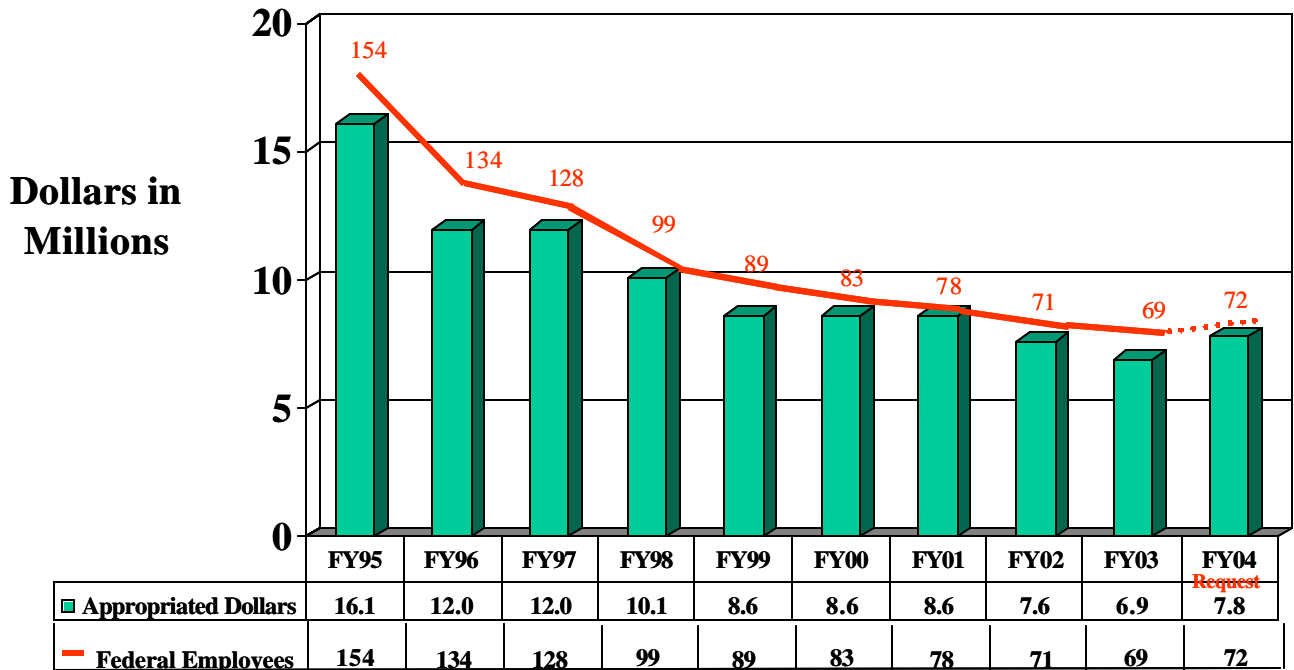
Office of Scientific and Technical Information





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

OSTI Budget and Staffing History





Documents on the Web: Striking the Balance

- STIP review of unlimited STI posted on the web removed ~9000 documents from public access.
- Striking a balance between information access and appropriate protection is a key mission of OSTI, since the 1940s - and we continue, with your help.





Journal Citation Coverage & User Facility Data

- The IG audit on peer-reviewed literature emphasized the inclusion of journal citations, especially for user facilities, in the STI collection.
- Citations are being provided via harvesting and E-link submission.
- In FY 02, we received ~2500 user facility records; a majority were journal citations.
- A total of ~2800 journal items were included in FY 02.
- This represents increased coverage of STI and a more comprehensive accounting of DOE-funded R&D results – and we'd like to see more of the same.



A WEALTH OF RESEARCH MATERIAL

Key Collections

Our main collections include:

- ▶ [Information Bridge](#)
Full-text DOE research reports (primarily from 1995 to today).
- ▶ [Energy Citations](#)
Bibliographic citations of DOE research from 1948 to today.
- ▶ [PrePRINT Network](#)
Documents that researchers circulate electronically in advance or in lieu of publication.
- ▶ [All Collections](#)
Includes:
[DOE R&D Accomplishments](#)

The U.S. Department of Energy's (DOE) Office of Scientific and Technical Information (OSTI) provides access to a wealth of energy, science, and technology research and development (R&D) information from the Manhattan Project to the present.

- As one of the largest sponsors of research and development for the Nation, DOE supports thousands of research projects annually.
- OSTI's mission is to collect, preserve, disseminate, and leverage the scientific and technical information (STI) resources of DOE to expand the knowledge base of science and technology and facilitate scientific discovery and application.
- Through our collections and services, we make the results of the Department's research available to scientists, researchers, and engineers in the DOE community and beyond; as well as academia, the international science community, and science attentive citizens.

Search Individual Collections

Select a database from the descriptions at [Information Collections](#).

Search Multiple Collections

Use a [distributed and Deep Web search](#) to simultaneously search the OSTI Web site and Key collections with just one query.

OSTI Home Page <www.osti.gov>

- It has a new look and improved navigation for the novice user.
- Key feature: a distributed, single-query search of OSTI resources as well as a "DOE only" path.



science.gov

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

Science.gov Search

Search capabilities provided by [DOE/OSTI](#) and [USGS](#).

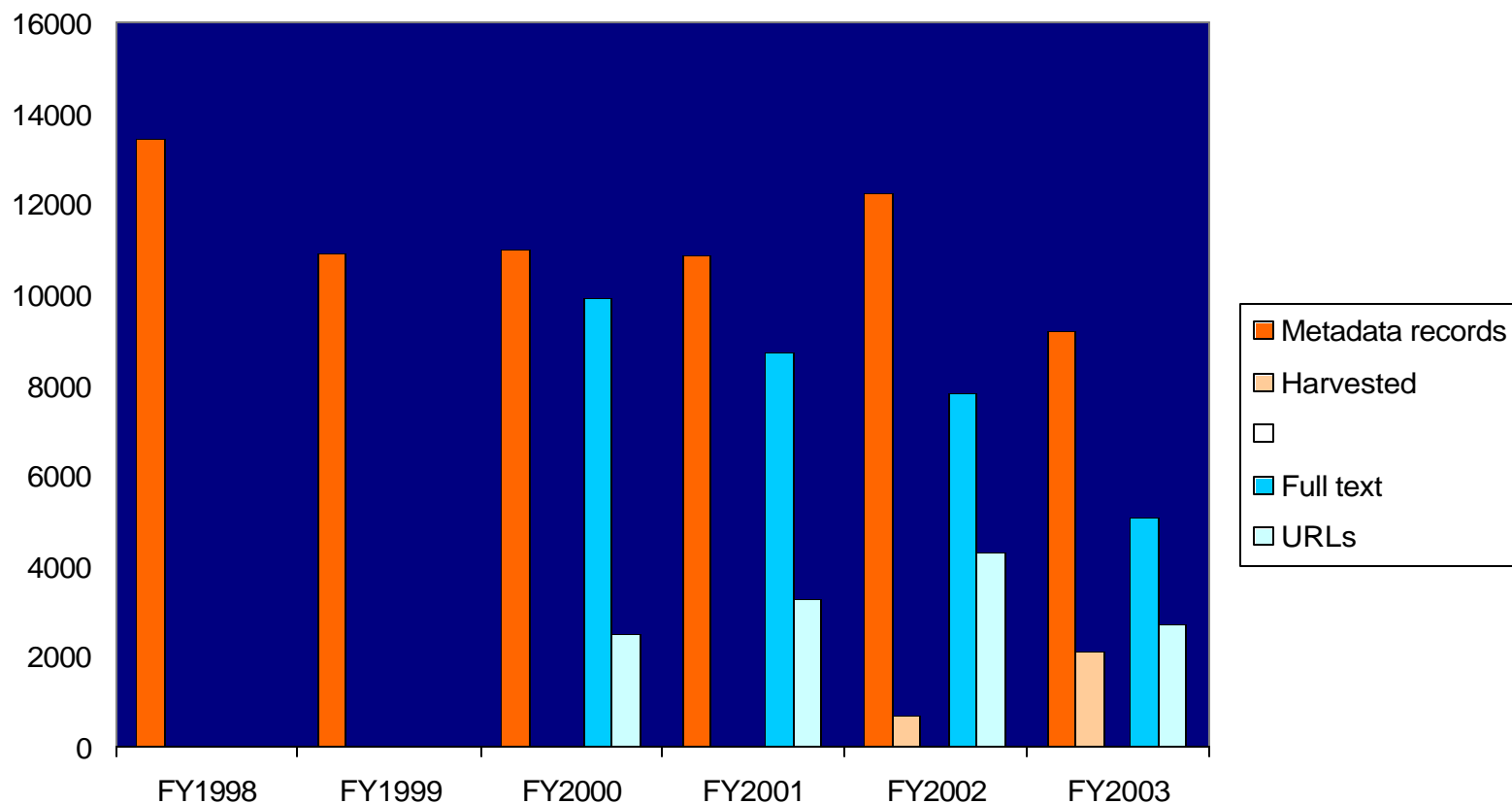
The DOE laboratories and other facilities are well-represented on science.gov. A list of your site's content is available upon request.

For changes or additions, contact Valerie Allen at OSTI, science.gov webmaster.

For errors or problems with URLs, we need a POC at your site.

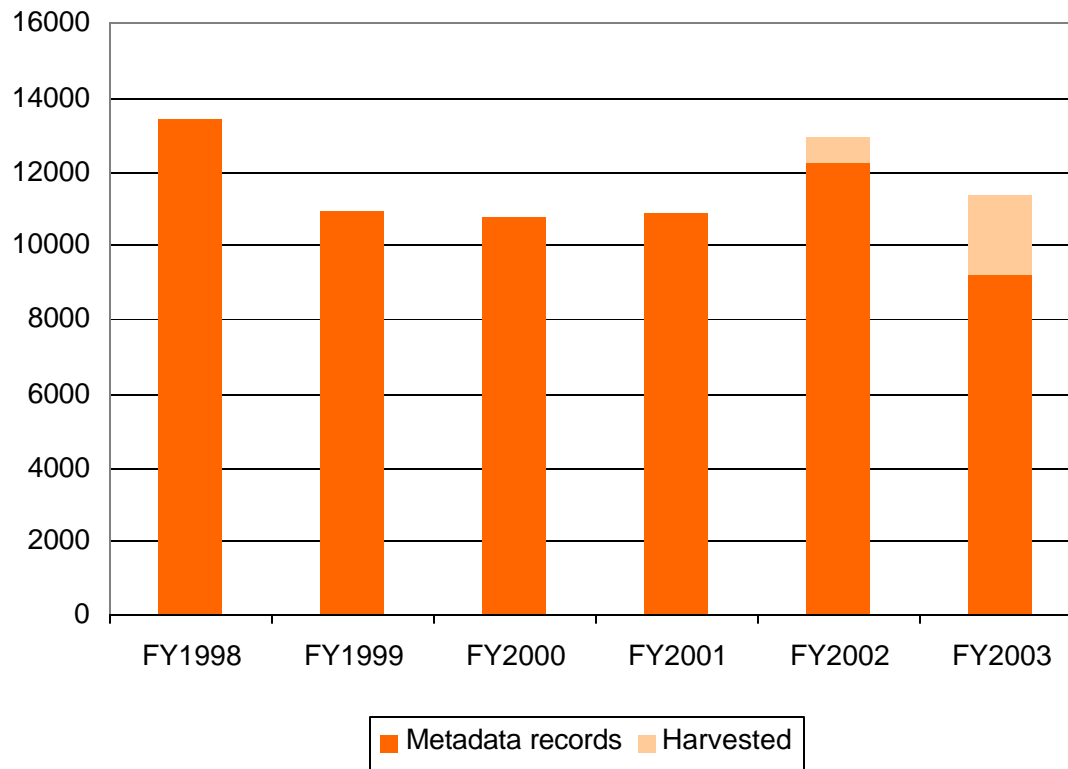


E-Link Data Provides Insight into STI Trends





As Harvesting Expands, Total Records Received Will Grow



Harvesting Sites:

NREL – Jan 02

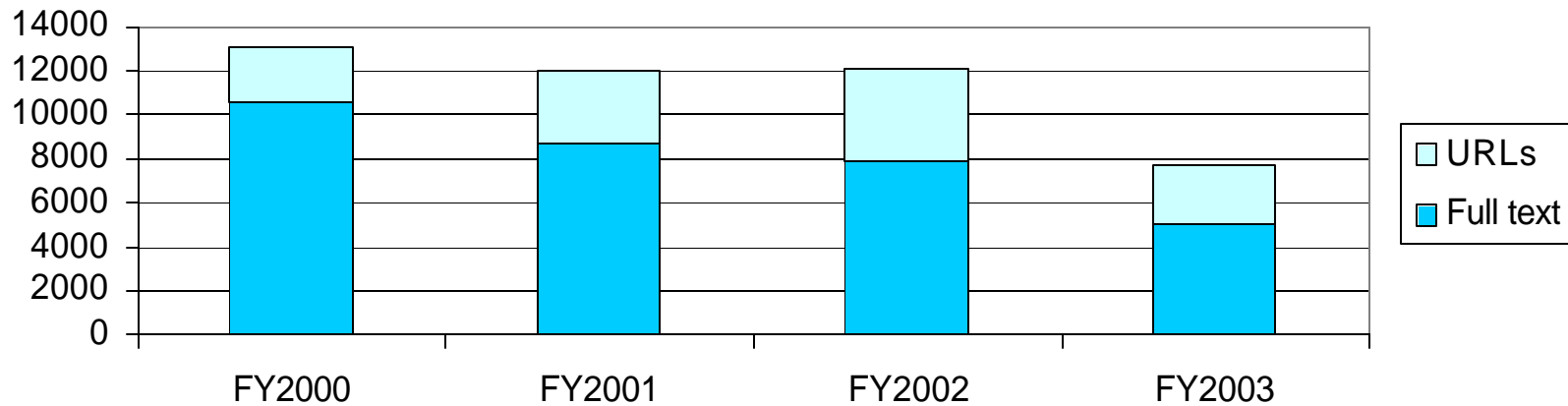
ANL – Jun 02

PNNL – Oct 02

LLNL – Dec 02



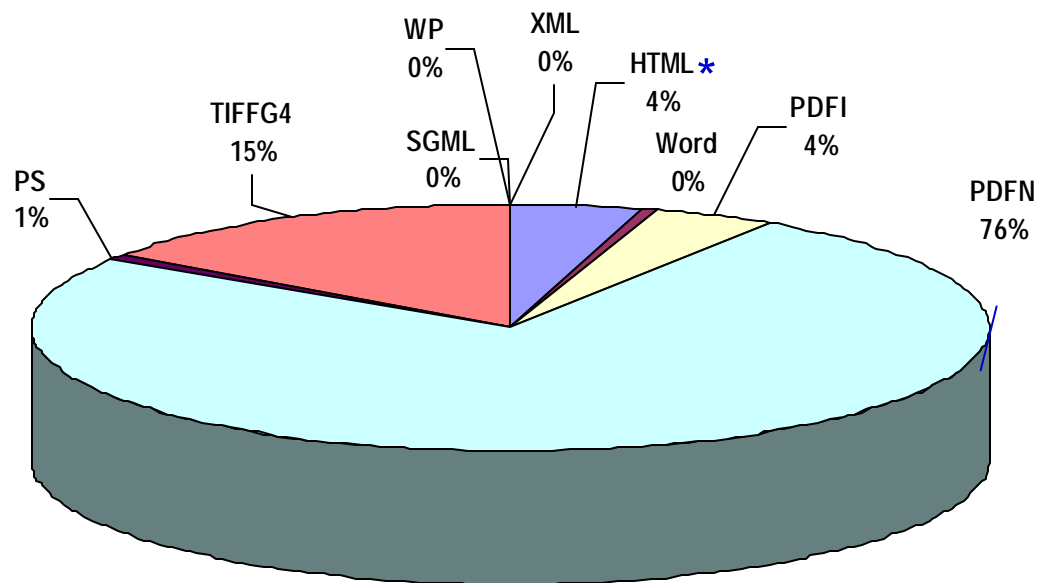
The Number of Site-Hosted Documents Has Increased As the Electronic Transition Has Matured





STI Full-Text Formats Received at OSTI

Total of All Electronic Documents

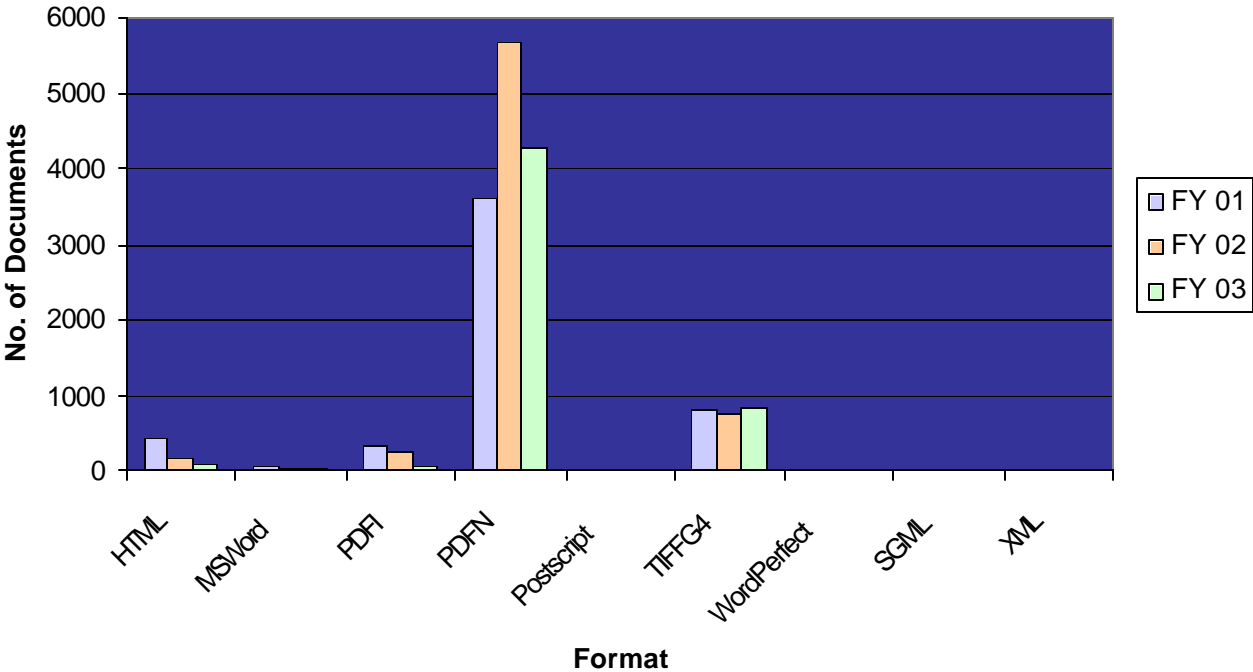


*Few HTML items are actual STI documents; most are pass-through or interim web pages with no suitable text for STI indexing.



A Standard Full-Text Format Has Emerged

Full-Text Formats Used FY01-FY03

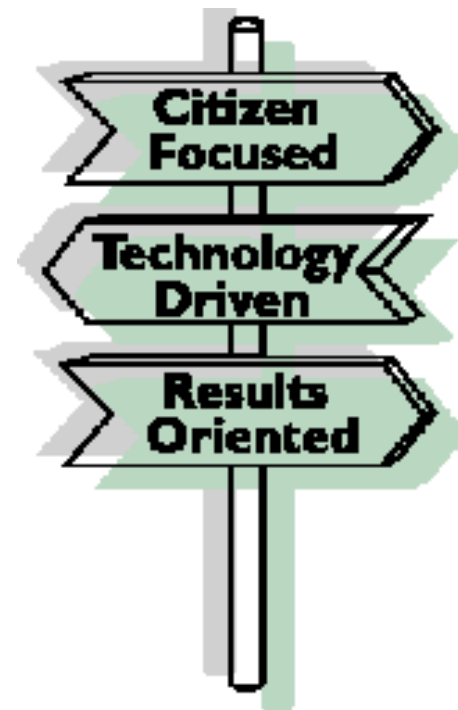




Challenges ...

For This STIP Meeting ... and for the Future

- How can we make STI more visible, used, and praised?
- How can we make STI coverage more comprehensive?
- How can we make the STI process more efficient and effective?
- How can we make the STI role more valued?
- What steps can we take to meet our goals?





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Working Level Questions To Be Answered

- **Can we narrow the number of full-text formats from 9 to 1?**
- **How are “change notices” being handled?**
- **What is currently being done to digitize and preserve legacy collections?**
- **Can we be assured that documents are submitted if no longer available on the Web?**
- **Does the OUC Order provide the guidance needed for the documents “hidden” on the Web?**
- **Will our records for STI removed from public soon be finished?**
- **How can we encourage software submittals?**



- **What intellectual property issues affect STI?**
- **What information do you need or want from OSTI?**
- **How can our group work more effectively together?**
- **Are any changes needed to the Order and Guide?**