FY 2002 Activities



Sharon Jordan STI Meeting March 20, 2002



Science.gov

Interagency project with 10 agencies Designated "FirstGov for Science" portal OSTI hosting domain Deep Web search function by OSTI, funded by FirstGov cross portal Currently available in test mode Launch being planned for May 2002

Participants' Shared Premise

Web is the tool of choice
Each science agency offers information to fulfill its mission
Science is not bounded by organization or geography
Interagency collaboration needed

Basis of Alliance

Audience: science-attentive citizen Gateway to agencies' science information Multiple user paths via Web Voluntary collaboration - no significant burden Not a replacement for any agency's activities Inclusive of all agencies' science information Phased development

DOE Content in Science.gov Over 100 DOE URLs included S&T content based Information freely available Unrestricted (no passwords or log ins)

Categorized by topic areas

"Audience" channels possible

STI Products

 Historically STI efforts have concentrated on technical reports
 R&D results are also found in other types of literature
 Now and in future, focus is to improve comprehensiveness/awareness of all forms of R&D results

Journal Literature

Open source literature (articles and citations) issued by journal publishers that generally provide peer review of the articles prior to publication; includes publications issued by commercial publishers or professional societies.



Preprint Literature

Issued by the author; typically any work posted on the Internet by the author at his/her home institution or at a preprint repository; includes papers considered in final form or those circulated for comment via the Internet; also referred to as "e-prints."

Gray Literature

Issued by noncommercial sources, e.g., government agencies, research labs/facilities, and educational institutions; typically unavailable through commercial publishers; includes technical reports, conference papers, dissertations, and other materials published by the author's sponsor or employer.

OAI in the STI Infrastructure

OAI framework based on metadata harvesting.
 Two roles:

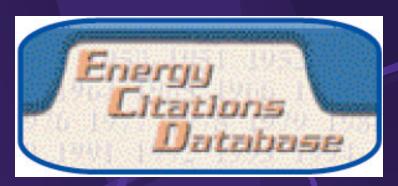
 Data providers (e.g., laboratories) support a simple harvesting protocol to provide extracts of local metadata in a common, minimal-level format in response to requests from service providers.
 Service providers (e.g., OSTI) use extracted metadata to provide user-oriented services, such as web portals, to materials that are distributed across multiple sources.

Data Element "Syncing"

 Dublin Core-based fields and qualifiers adopted in OSTI processing & tools
 STI 241.1 form revision:

 To map fields more closely to DC
 To further streamline process

- To update terms and definitions



www.osti.gov/energycitations

First Dublin Core-based tool
1948 to present → AEC, ERDA, DOE
2 million records (public); 4 million (DOE)
Links to electronic full text, when available
Includes citations to various types of STI
Growth through regular updates



www.osti.gov/preprint

- Launched Jan. 2000, has grown to >8400 sites and ½ million papers
- Covers range of eprints in disciplines of interest to DOE
- Cross-site search capability of researcherposted papers
- Preprint Alerts

Sensitive STI

Tool under development
 Web-accessible "controlled access file"
 To include various access limitations: ECI, OUO, CRADA, SBIR, etc.
 Addresses a current, growing need

Web Site Review

Based on guidance received to date: - DOE memos (Blake) - OpSec list of "sensitive subjects" - Statutory protections - Programmatic judgment "Interim" practices vs. mandated requirements

Next Steps

Complete second review at OSTI
Sites validate initial review
Reconcile records
Assess impact of possible new protection category
Await further legal, programmatic and administrative guidance