National Technical Information Service (NTIS) Science Portal Initiatives

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Background

- Part of Technology Administration, U.S. Department of Commerce
- Established 1945 to collect and provide permanent access to Nation's Scientific, Technical and Engineering Information
- 200 employees
- 3.0 million+ titles in collection

NTIS Mission

To operate as the central point of access for Scientific, Technical and Engineering Information (STEI) produced by U. S. Government and foreign sources

American Technology Preeminence Act of 1991

Requires Federal agencies to transfer their Scientific, Technical, and Engineering Information (STEI) to NTIS

STEI Challenges in the Internet Era

- Ensuring permanent access
- Searching for and finding relevant information

Need for a Persistent Digital Identifier

- PURL - Persistent URL
- Handle System - assigns, manages, and resolves persistent identifiers for digital objects in multiple locations

NTIS Handle Initiative

- Acquire naming authority from CNRI
- Assign handles to information resources on behalf of federal agencies
- Operate resolver on behalf of user community
- Coordinate activities with other federal naming authorities

NTIS Database

- 1964-Present
- 2+ million records
- 50K records added annually
  1/3 non-CENDI
- Electronic, web harvesting, & paper input
- A&I, common taxonomy, adding digital identifier

NTIS Response

- Collect and archive full text images and provide permanent access
- Provide online single search capabilities to STEI through NTIS Database with persistent links to full text reports
- Provide access to permanent archived copy if agency removes report from web

NTIS Response (Continued)

- Provide paper, MF, multimedia and electronic formats on demand (1.5M distributed annually)

- Enable agencies to link to NTIS for archived information and non-electronic formats

NTIS Contribution to Science Portal -- *www.scitech.gov*

- NTIS Database with links to full text
- Develop database of key government STEI resources:
  - Expertise
  - Facilities
  - R&D results
  - Government inventions
  - Photos & images

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