

Journey into the Digital Age: Strategies for Developing and Managing Collections in a Federal Research Library



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Collection Development in the Electronic Age

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NIST

National Institute of Standards and Technology
Technology Administration, U.S. Department of Commerce

National Institute of Standards and Technology (NIST)



- Non-regulatory federal agency within the U.S. Department of Commerce
- Physical, chemical, and engineering research; measurement science
- About 1500 scientists and 1800 guest researchers and post-doctoral students
- NIST's Mission
 - To promote U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life.

NIST

National Institute of Standards and Technology • Technology Administration • U.S. Department of Commerce

Information Services Division (ISD)



- **Mission**
 - To support and enhance the research activities of the NIST scientific and technological community through a comprehensive program of knowledge management and superior customer service
- **Organizational structure**
 - Research Library and Information Group (RLIG)
 - Electronic Information and Publications Group (EIPG)
 - Museum and History Program
- **Provides services to the Gaithersburg campus**
- **Supports NIST scientists through their research and publishing cycles**

Best Practices and Standards for Developing Electronic Collections



- **ISD's Framework for Developing and Organizing Digital Collections**
 - Why create a framework?
 - Process for developing framework
 - Major elements of framework
 - Collections, objects, and metadata
 - Interoperability
 - Workflow implementation
 - Measures
 - Sustainability

Best Practices and Standards for Developing Electronic Collections



- **ISD's Collection Development Plan**
 - Define scope of the NIST Research Library collection and the digital collections of ISD
 - Reflect the current information requirements of the NIST community
 - Address strategies for positioning the NIST Research Library collection towards e-books and other digital resources

Strategies for Shifting to Electronic Only



- **ISD strategies and approaches**
 - Balance core collections vs. new priority areas of NIST research
 - Ensure perpetual access to journals
 - Develop ebook collections
 - Information technology
 - NIST priority areas of research
 - Replacement of missing or lost books
 - Ebook pilot projects
 - Digitize NIST series publications

Strategies for Shifting to Electronic Only (cont'd)



- Evaluate electronic archiving solutions
 - Portico
 - LOCKSS
- Investigate leasing vs. owning content
 - Leasing ebook titles that become outdated quickly, but “buying” the classic texts
 - Leasing vs. owning electronic journal content

Tools for Evaluating Electronic Resources



- Usage statistics
 - Collecting usage statistics
 - Statistics reports from publishers via ScholarlyStats*
 - Ejournals page usage report
 - NetLibrary* usage reports
 - Analyzing journal usage
 - Journal Use Reports* (JUR) – combines usage data, NIST publication activity, and citation activity of ejournal collection

* Identification of commercial entities in this presentation is not intended to imply recommendation or endorsement by NIST.

Tools for Evaluating Electronic Resources (cont'd)



- **Customer feedback**
 - **Customer satisfaction surveys (1998, 2001, 2007)**
 - **Focus group sessions**
 - NVL redesign
 - Strategic Focus Areas (SFAs)
 - **Lab Liaison Program**
 - **Customer evaluation feedback forms**

Tools for Evaluating Electronic Resources (cont'd)



- **Collection analyses**
 - **Core journals**
 - Collaborate with NIST labs to determine what is core
 - Analysis performed periodically as required
 - **Book collections**
 - “What Are Our Customers Reading?”
 - Circulation “snapshots”
 - **Interlibrary Loan**
 - **NIST research priorities**



Questions?



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