

# **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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# 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.**

# 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 ebooks 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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