



The National Archives and Records Administration

About NARA's
NCAST Advanced Research Program
DC SIRSI Users Group Meeting
Washington, DC
September 21, 2010

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National Archives Center for
Advanced Systems and Technologies
National Archives and Records Administration



The Electronic Records Archives ERA Research Program (1998-2009)

→ Understanding technical/business requirements and challenges associated with:

- Long-term preservation and access to electronic records
- Building an electronic records archives system

→ Establishing significant partnerships with:

- Computer Scientists and Engineers
- Federal Government and Private Sector Agencies
- Professional Archivists and Librarians
- International scholars and organizations

→ Research results and acquired knowledge

→ Participation on the White House's Networking IT R&D Coordination Program

<http://www.nitrd.gov>



About NCAST (established August 2009)

NARA's lead technology organization for advanced and applied research

- Expanding the scope of advanced research
- Bringing new technologies and methods into NARA
- Identifying, Acquiring, and Developing the specific types of expertise and skills

- Three Research Laboratories:
Washington, DC, College Park, MD, and Rocket Center, WV

→ NCAST highlighted in the Archivist's keynote address

Archivist of the U.S., David Ferriero at the annual meeting of the Society of American Archivists, August 2010, Washington, DC

http://www.youtube.com/watch?v=bMo_93rF3wM

Some examples of NCAST Research *Partnerships*



NATIONAL ARCHIVES

Center for Advanced Systems and Technologies



Data-Intensive Cyber Environments (DICE) Group



National Science Foundation



National Coordination Office for Networking and Information Technology Research and Development



Army Research Laboratory



National Center for Supercomputing Applications



For more information about The National Archives Center for Advanced Systems and Technologies (NCAST) Research

Visit our web site at www.archives.gov/ncast/advanced-research.html



Tools for organizing and managing large collections of distributed digital data

→ The integrated Rule Oriented Data System (iRODS)

- An open source distributed data management system

→ Conversion Software Registry (CSR)

- A registry of 2000+ (**most are free!**) applications for converting one file format to another format

→ Doc2Learn

- An application to compare document content across file formats

→ Polyglot

- A web-based application to perform file-format conversions

→ → Download free software!

<http://www.archives.gov/ncast/software-downloads>



NATIONAL
ARCHIVES

Center for
Advanced
Systems and
Technologies

Thank You!

Learn more about NCAST

www.archives.gov/NCAST

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