

# InterPARES 2

◆ **NHPRC Electronic Records Research  
Fellowships Symposium**

◆ **Chapel Hill, N.C.**

◆ **19 November 2004**

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◆ **Co-Chair, U.S. InterPARES Research Team**



## **US-InterPARES Project**

International Research on Permanent Authentic Records in Electronic Systems

# The Prelude to InterPARES 2

First UBC Project, 1994-1997

Authenticity of records

DoD 5015.2 Records mgt standard

InterPARES 1 1999-2001

How to maintain authentic records  
permanently



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# Key Products of InterPARES 1

- ◆ Activity models for the selection and preservation functions
- ◆ Framework for requirements for assessing & maintaining authenticity of electronic records
  - Benchmark requirements supporting the presumption of authenticity
  - Baseline requirements supporting the production of authentic copies of electronic records



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# InterPARES 2 Goals

- ◆ Focus on newer kinds of electronic records: dynamic, interactive, experiential
- ◆ Develop understanding of their creation, maintenance, and preservation
- ◆ Develop methods for creating, maintaining, and preserving accurate, authentic, and reliable records in the arts, sciences, and government



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# Participants and Funding

- ◆ 15 countries in 4 continents, 74 researchers
- ◆ Public and private sectors
- ◆ Interdisciplinary research team
- ◆ Canadian funding from SSHRC and UBC
- ◆ U.S. funding from NHPRC and NSF



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# Project Organization

## ◆ Research Domains

- Records Creation and Maintenance
- Authenticity, Accuracy and Reliability
- Methods of Appraisal and Preservation

## ◆ Focus Areas

- Arts activities
- Science activities
- E-Government activities



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# Project Organization (cont.)

## ◆ Cross-Domain Research Groups

- Description (Metadata)
- Modeling
- Policy
- Terminology



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# Methodologies

- ◆ Literature reviews
- ◆ Case studies
- ◆ Surveys and general studies
- ◆ Modeling: Data Flow diagrams, IDEF0, UML
- ◆ Literary warrant analysis



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# Case Study Research

- ◆ Case studies of dynamic, interactive, and experiential records in the arts, science and government
- ◆ Intensive, structured interviews based on set of 23 questions that researchers need to answer
- ◆ Case study findings essential for providing data to answer IP research questions



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# Arts Focus

## ◆ Sample General Studies

- Surveys of recordkeeping practices of composers and photographers

## ◆ Sample Case Studies

- The Danube Exodus
- Obsessed Again
- Waking Dream
- Electronic Café International



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# Science Focus

## ◆ Sample general studies

- Persistent archives based on data grids
- Survey of scientific encoding languages

## ◆ Sample case studies

- Cybercartographic Atlas of Antarctica
- Archaeological records in GIS
- Electronic engineering & manufacturing



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# E-Government Focus

- ◆ Survey of e-government Web sites
- ◆ Sample case studies
  - Archives of Ontario Web exhibits
  - Revenue On-line System (Ireland)
  - New York State Dept. of Motor Vehicles
  - Electronic filing system (Supreme Court of Singapore)
  - Alsace-Moselle Land Registry



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# Domain 2 Research

- ◆ Analysis of concepts of authenticity, accuracy, and reliability in each focus area
- ◆ Based on literature reviews and data from case studies
- ◆ Will draft, test, and issue guidelines for records creators



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# Modeling Cross-Domain

## ◆ Chain of Preservation Model

- Integrates models from UBC-DoD project and from InterPARES 1
- Provides conceptual framework
- Provides an ideal against which to evaluate reality
- Clearly expresses InterPARES view of preservation



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# Modeling Cross-Domain (cont.)

- ◆ Business Process Model
  - Viewpoint of the records creator, not the preserver
- ◆ Entity models
- ◆ Walkthroughs of case studies to test models



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# Description Cross-Domain

- ◆ Evaluate whether existing metadata schema and tools meet recordkeeping requirements relating to accurate authentic, and reliable records.
- ◆ Recommend new metadata schemas, standards, tools, and specifications



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# Description Cross-Domain (cont.)

- ◆ Literary Warrant Database
- ◆ Creation of Metadata Schema Registry
  - Database that describes and evaluates schema with reference to ISO 23081
  - Centralized repository of information to assist organizations to meet specific needs
- ◆ Metadata Specification Models



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# Policy Cross-Domain

- ◆ Identify and analyze existing policies
- ◆ Identify barriers to preservation
- ◆ Design conceptual framework for development of policies & standards
- ◆ Develop a series of model policies



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# Terminology Cross-Domain

- ◆ To improve effectiveness of communication of IP research through creation of controlled vocabulary
- ◆ Register, Dictionary, Glossary
- ◆ Thesaurus to identify relationships between terms
- ◆ Terminology database will be public



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# Further Information

◆ InterPARES Website:  
[www.interpares.org](http://www.interpares.org)

◆ U.S. InterPARES Website:  
[www.gseis.ucla.edu/us-interpares](http://www.gseis.ucla.edu/us-interpares)



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