The InterPARES 2 Case Studies: an Overview

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“Finding Pathways for preserving authentic digital objects” The InterPARES project

The Hague, Netherlands

June 22, 2005
Topics

- Objectives
- Methodology and Reporting Framework
- Case studies at a Glance
- Preliminary Findings
Objectives

- Exploring issues related to the records generated by interactive, dynamic, and experiential systems in the artistic, scientific and government sectors.

- Providing material for focus, domains and cross domains
Methodology

- Intellectual framework
- Approved proposal
- Investigation by a team of researchers
- Case study reporting framework
- Final Report Analysis
Investigation (1/3)

1. The creating body and its activities
2. Nature of digital entities studied
3. Functions of digital entities
4. Creation of digital entities
5. Retrieval and access
Investigation (2/3)

6. Use of digital entities and their effects
7. Competence and responsibility
8. Measures of control: reliability, authenticity, and quality
9. Archival selection and value
Investigation (3/3)

10. Record keeping system (preservation of digital entities)
11. Descriptive standards (metadata)
12. Technological change
13. Standards, policy, and legal, moral or ethical obligations
Case Study Reporting Framework

1. Overview
2. Statement of Methodology
3. Description of context
4. Answers to the core research questions
5. Answers to domain and cross domain research questions
6. Bibliography of relevant material
7. Glossary of Terms
8. Preliminary Model
Analysis

- Characterization
- Diplomatic Analysis
- Walkthrough and specific studies by focus, domains and cross-domains teams.
Case studies at a Glance
### Approved Case Studies

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<th>Focus/Nbr</th>
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*Excluding one completed section from Case Study 09*
Focus 1 : Artistic activities

1. Arbo Cyber Théâtre (?)
2. Performance Artist Stelarc
3. HorizonZero/ZeroHorizon Online Magazine
4. Digital Moving images
5. The Danube Exodus
6. Obsessed Again?…
7. Waking Dream
8. Variable Media Network’s
9. Electronic Café International
Focus 2: Scientific activities

1. CyberCartographic Atlas of Antarctica
2. NASA Spacecraft Mission Operation
3. Archaeological Records in a Geographical Information System
4. Preservation and Authentication of Electronic Engineering and Manufacturing Records
5. MOST satellite mission: Preservation of space telescope data
Focus 3: E-Government activities

1. Archives of Ontario Website Exhibits
2. Nova Scotia Business Registry
3. Antarctic Treaty Searchable Database
4. New York State Dept of Motor Vehicles
5. Alsace-Moselle's Land Registry
6. Revenue Online (ROS)
7. Supreme Court in Singapore
8. UK Knowledge Network
9. VanMap
10. Legacoop Bologna Website
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<th>Govnt</th>
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*Including 4 sections from case study 09*
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*4 sections from CS09
Preliminary findings

- The creator’s concerns;
- The *matriochka* context
- The digital entities: a work in progress?
- The creation : publication or archives?
The 24 Case studies
Arbo Cyber Théâtre (?)

- **Creating body:**
  Theatre company

- **Context:**
  Private corporation run by 2 individuals in Québec City, Québec, Canada

- **Digital entity studied:**
  Website “Ludosynthèse” for maintaining memory of the troupe, while allowing audience interaction to continue.

**Focus:**
Artistic
(Theatre)

**Final Report:**
Completed
Performance Artist Stelarc

- **Creating body:** Individual.
- **Context:** Private individual; may work anywhere but is from Australia.
- **Digital entity studied:** Website for advertising, and implementing and documenting the stages of the performance process.

**Focus:**
Artistic
(Performance Art)

**Final Report:**
Completed
HorizonZero/ZeroHorizon Online Magazine

- **Creating body:**
  Media and Visual Arts Department

- **Context:**
  Institute, part of larger Centre; in Banff, Alberta, (Canada)
  Within organizational hierarchy, made possible by grants.

- **Digital entity studied:**
  Bilingual multimedia Web magazine

**Focus:**
Artistic
(Media)

**Final Report:**
Completed
Creating bodies:
1. Commercial filmmaker,
2. Public filmmaker,
3. Independent producer
4. Public broadcaster

Contexts:
1. Large private corporation (USA)
2. National Film Board (Canada)
3. Small private corporation (Italy)
4. Large public corporation (USA)

Digital Entities studied:
Digital motion image products

Focus:
Artistic
(Moving Images)

Final Report:
1. Still underway
2. Still underway
3. Still underway
4. Completed
The Danube Exodus: Interactive Multimedia Piece

- **Creating body:**
  Private individual working with an art collective and a Research Institute.

- **Context:**
  Individual based in Budapest (Installation in Los Angeles, CA)
  Temporary, based on contract or partnership.

- **Digital Entity studied:**
  Complex media installation

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Focus:
Artistic
(Multimedia Exhibit)

Final Report:
Still underway
Obsessed Again

- **Creating body**: Individual composer and artist

- **Context**: Partnership between a composer and an artist based on contract in Vancouver, BC (Canada)

- **Digital Entity studied**: Digital music score

- **Focus**: Artistic (Musical Performance)

- **Final Report**: Completed
Waking Dream

Creating body:
HCT Laboratory (UBC); 3-individual partnership (digital entity)

Context:
Based on partnership, Within university hierarchy (UBC, Vancouver, Canada)

Digital Entity studied:
Website and multimedia performance art piece

Focus:
Artistic (Multimedia performance art )

Final Report:
Completed
Model for description and preservation of documents created using unstable and variable artistic techniques

- **Creating body:** Variable Media Network (VMN)
- **Context:** International network of organizations. Partnership, growing into network of members.
- **Digital Entity studied:** VMN tools, methodology, standards, practise, vocabulary

**Focus:**
Artistic
(Variable media)

**Final Report:**
Still underway
Electronic Café International: Aging Records from Technology-based Artistic Activities

- **Creating body:**
  Electronic Café International; individual artists (digital entities)

- **Context:**
  Multimedia international network. 2 principals, network of artists in Los Angeles, CA, USA.

- **Digital entity studied:**
  Accumulation of multimedia related to telecollaborative work

**Focus:**
Artistic (Multimedia (Collaboration and co-creation))

**Final Report:**
Still underway
CyberCartographic Atlas of Antarctica

- **Creating body:**
  Geomatics and Cartographic Research Centre (GCRC), Carleton University

- **Context:**
  Granted research group at the University Carleton, Ontario, (Canada)

- **Digital entity studied:**
  CDROM and Internet multimedia product

**Focus:**
Scientific (Cybercartography)

**Final Report:**
Still underway
Validation of the IP Preservation Model
Using Records and Data from a NASA Spacecraft Mission Operation

Creating body:
NASA National Space Science Data Center (NSSDC)

Context:
Center, part of larger Center, in Maryland, USA. Within governmental hierarchy

Digital entity studied:
Records and data of a specific NASA Spacecraft Mission Operation

Focus:
Scientific (Space Flight)

Final Report:
Still underway
Archaeological Records in a Geographical Information System: Research in the American Southwest

- **Creating body:**
  Center for Desert Archaeology (CDA)

- **Context:**
  Small private not-for-profit center located in Tucson, Arizona (USA)

- **Digital entity studied:**
  GIS Database. Provide answers to research questions relating to the aggregation and migration of prehistoric peoples in the American Southwest.

**Focus:**
Scientific (Archaeology)

**Final Report:**
Completed
Preservation and Authentication of Electronic Engineering and Manufacturing Records

- **Creating body:** Various US government departments
- **Context:** Within the hierarchy of US Government departments (Federal)
- **Digital entity studied:** Digital engineering and manufacturing records

**Focus:**
Scientific (Engineering and manufacturing)

**Final Report:**
Still underway
MOST satellite mission: Preservation of space telescope data

- **Creating body:**
  Microvariability and Oscillations of STars satellite mission

- **Context:**
  Partnership between Canada Space Agency, industry, universities

- **Digital entity studied:**
  Space telescope data and engineering telemetry

**Focus:**
Scientific (Astronomy)

**Final Report:**
Completed
Archives of Ontario Website Exhibits

- **Creating body**: Provincial Archives, Government body (Province of Ontario)

- **Context**: Within governmental hierarchy, under Mgmt. Board Secretariat

- **Digital entity studied**: Three web exhibits

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**Focus**: E-Government (Archival)

**Final Report**: Completed
Nova Scotia Business Registry

- **Creating body:**
  Service Nova Scotia and Municipal Relations (SNSMR)

- **Context:**
  Government department (Provincial). Within governmental hierarchy

- **Digital entity studied:**
  Online registration system

**Focus:**
E-Government (Corporation law)

**Final Report:**
Still underway
Antarctic Treaty Searchable Database

- **Creating body:**
  Private corporation

- **Context:**
  Small private corporation. Partnership 2 individuals, in Ohio, (USA)

- **Digital entity studied:**

**Focus:**
E-Government
(Treaty documentation)

**Final Report:**
Completed
New York State Dept of Motor Vehicles

- **Creating body:**
  New York State Department of Motor Vehicles

- **Context:**
  Within hierarchy of Government department (State)

- **Digital entity studied:**
  Website. To provide online access to critical State services

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**Focus:**
E-Government
(Motor vehicle licensing and driver registration)

**Final Report:**
Still underway
Computerization of Alsace-Moselle's Land Registry

- **Creating body:**
  Le Livre Foncier d’Alsace-Moselle; GILFAM (digital entity)

- **Context:**
  Within hierarchy of justice system. Distributed between offices, judges, clerks

- **Digital entity studied:**
  Database. To allow the activities currently underway in the paper-based environment.

- **Focus:**
  E-Government (Real estate law)

- **Final Report:**
  Completed
Revenue Online (ROS)

- **Creating body:**
  Revenue Commissioners of Ireland (Revenue)

- **Context:**
  Government body (Central).
  Within governmental hierarchy

- **Digital entity studied:**
  Internet based filing system
  (Website)

**Focus:**
E-Government
(Tax law)

**Final Report:**
Still underway
Electronic Filing System (EFS) From The Supreme Court in Singapore

- **Creating body:** Supreme Court of Singapore

- **Context:** Legal body. Within hierarchy of justice system

- **Digital entity studied:** Electronic civil and criminal law records filing system

**Focus:**
E-Government (Law)

**Final Report:**
Still underway
UK Knowledge Network

- **Creating body:**
  UK Government

- **Context:**
  Central government. Encompasses central government hierarchy

- **Digital entity studied:**
  Virtual community of briefing systems and information resources

**Focus:**
E-Government (Information)

**Final Report:**
Still underway
Preservation of City of Vancouver GIS database (VanMap)

- **Creating body:**
  City of Vancouver, BC, Canada

- **Context:**
  Municipal government. Team, within government hierarchy (IT Department)

- **Digital entity studied:**
  GIS database. To allow the City of Vancouver to, “meet the needs of internal users in providing services to Vancouver’s citizens and businesses”.

**Focus:**
E-Government (Services)

**Final Report:**
Still underway
Legacoop Bologna Website

- **Creating body**: Cooperative network
- **Context**: Provincial body of cooperative network in Bologna, Italy. Divided into departments, within network hierarchy
- **Digital entity studied**: Website. To increase communication with and maintain the cooperative network of Legacoop Bologna’s members

**Focus**: E-Government (Cooperative)

**Final Report**: Completed