

# **InterPARES 3 Project**

International Research on Permanent Authentic Records in Electronic Systems



# **Congratulatory Address**

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# Thank you!

Chief Minister of Sarawak Government Sarawak State Library (PUSTAKA)

Thank you so much for hosting the 9th International Summit and Symposium of InterPARES 3

# **Goal of InterPARES 3 (2007-2012)**

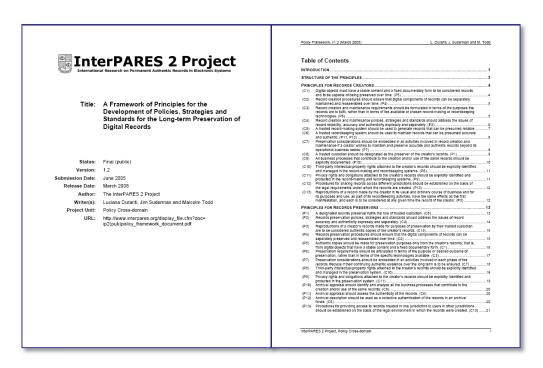
To enable public and private archival organizations and programs with limited resources to preserve over the long term authentic records that satisfy the requirements of their stakeholders and society's needs for an adequate record of its past.

It does so by building on the products of the first two phases of InterPARES (1998-2006)

## **Key IP 1 & 2 Products**

### **Policy Framework**

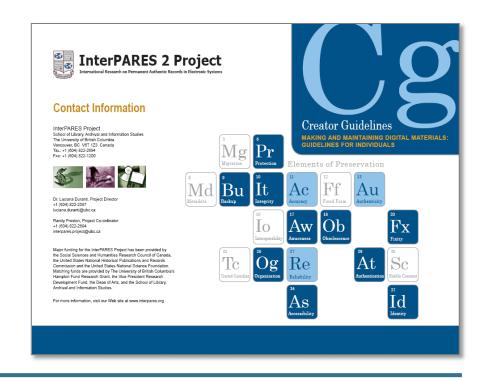
A framework of principles guiding the development of policies for records creating and preserving organizations





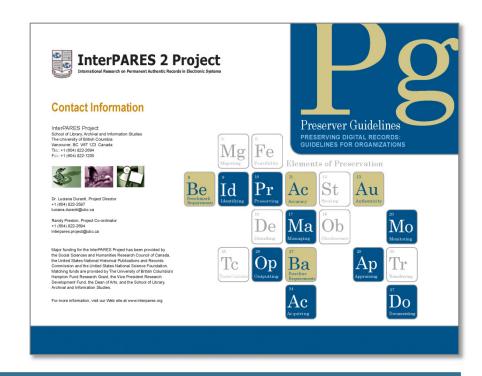
#### **Creator Guidelines**

Recommendations for making and maintaining digital materials for individuals and small communities of practice



#### **Preserver Guidelines**

Recommendations for digital preservation for archival institutions



### **Benchmark and Baseline Requirements**

Authenticity requirements for assessing and maintaining the authenticity of digital records

#### « REQUIREMENT SET A »

To support a presumption of authenticity the preserver must obtain evidence that:

REQUIREMENT A.1: Expression of Record Attributes and Linkage to Record The value of the following attributes are explicitly expressed and inextricably linked to every record. These attributes can be distinguished into categories, the first concerning the identity of records, and the second concerning the integrity of records.

#### A.1.a Identity of the record:

- A.1.a.i Names of the persons concurring in the formation of
  - name of author
  - name of writer<sup>b</sup> (if different from the author)
  - name of originator<sup>c</sup> (if different from name of auth

#### name of addressee<sup>d</sup> A 1 a ii Name of action or matter

A.1.a.iii Date(s) of creation and transmission, that is:

- chronological date<sup>e</sup>
- received date
- archival date<sup>g</sup>
   transmission date(s)<sup>h</sup>

A.1.a.iv Expression of archival bond (e.g., classification code

A.1.a.v Indication of attachments

#### A.1.b Integrity of the record:

A.1.b.i Name of handling office

A.1.b.ii Name of office of primary responsibility<sup>k</sup> (if different t

A.1.b.iii Indication of types of annotations added to the recor

A.1.b.iv Indication of technical modifications<sup>m</sup>

#### **REQUIREMENT A.2: Access Privileges**

The creator has defined and effectively implemented access privilege modification, annotation, relocation, and destruction of records.

#### << REQUIREMENT SET A (cont) >>

REQUIREMENT A3: Protective Procedures: Loss and Corruption of Records
The Creator has established and effectively implemented procedures to prevent, disconrect loss or corruption of records.

#### REQUIREMENT A.4: Protective Procedures: Media and Technology

The creator has established and effectively implemented procedures to guarantee the cidentity and integrity of records against media deterioration and across technological c

#### **REQUIREMENT A.5: Establishment of Documentary Forms**

The creator has established the documentary forms of records associated with each p either according to the requirements of the juridical system or those of the creator.

#### REQUIREMENT A.6: Authentication of Records

If authentication is required by the juridical system or the needs of the organization, th has established specific rules regarding which records must be authenticated, by wife the means of authentication.

#### REQUIREMENT A.7: Identification of Authoritative Record

If multiple copies of the same record exist, the creator has established procedures the which record is authoritative.

#### REQUIREMENT A.8: Removal and Transfer of Relevant Documentation

If there is a transition of records from active status to semi-active and inactive status involves the removal of records from the electronic system, the creator has establis effectively implemented procedures determining what documentation has to be removed to the preserver along with the records.

#### «REQUIREMENT SET B»

The preserver should be able to demonstrate that:

REQUIREMENT B.1: Controls over Records Transfer, Maintenance, and Reproduction The procedures and system(s) used to transfer records to the archival institution or program; maintain them; and reproduce them embody adequate and effective controls to guarantee the records' identity and integrity, and specifically that:

- B.1.a Unbroken custody of the records is maintained:
- B.1.b Security and control procedures are implemented and monitored; and
- B.1.c The content of the record and any required annotations and elements of documentary form remain unchanged after reproduction.

#### REQUIREMENT B.2: Documentation of Reproduction Process and its Effects

The activity of reproduction has been documented, and this documentation includes:

- B.2.a The date of the records' reproduction and the name of the responsible person;
- B.2.b The relationship between the records acquired from the creator and the copies produced by the preserver;
- B.2.c The impact of the reproduction process on their form, content, accessibility and use; and
- B.2.d In those cases where a copy of a record is known not to fully and faithfully reproduce the elements expressing its identity and integrity, such information has been documented by the preserver, and this documentation is readily accessible to the user.

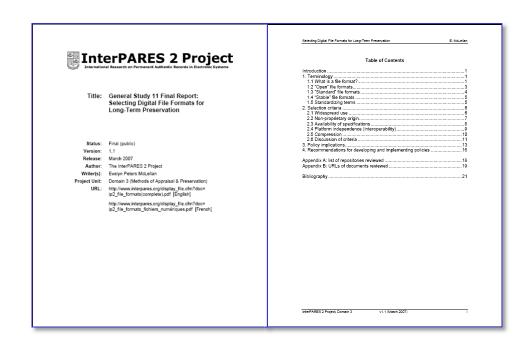
#### REQUIREMENT B.3: Archival Description

The archival description of the fonds containing the electronic records includes—in addition to information about the records' juridical-administrative, provenancial, procedural, and documentary contexts—information about changes the electronic records of the creator have undergone since they were first created.



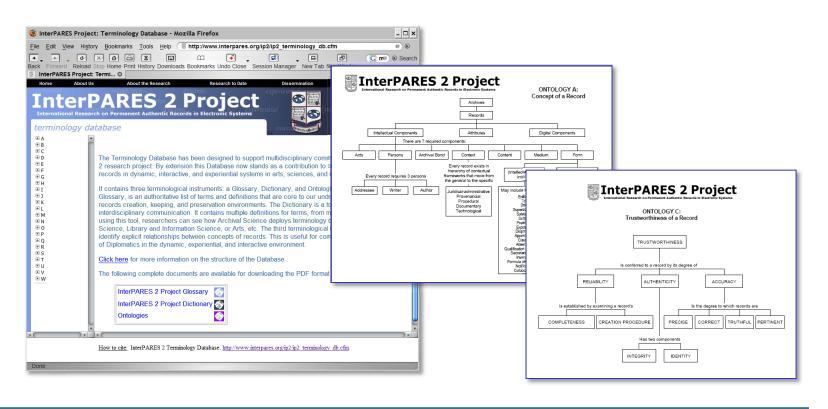
### **File Format Selection Guidelines**

Principles and criteria for adoption of file formats, wrappers and encoding schemes



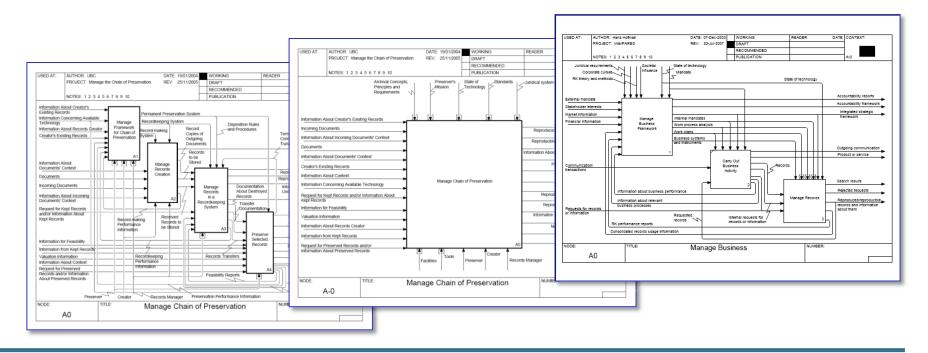
### **Terminology Database**

Including a glossary, a dictionary and ontologies



### **Two Records Management Models**

Chain of Preservation (COP) Model (lifecycle)
Business-driven Recordkeeping (BDR) Model (continuum)



### **IP 1 & 2 Final Products**

#### Two books:

Luciana Duranti, ed. *The Long-term Preservation of Authentic Electronic Records: Findings of the InterPARES Project* (San Miniato: Archilab, 2005). Available on line at

http://www.interpares.org/book/index.cfm

Luciana Duranti and Randy Preston, eds.

InterPARES 2: Interactive, Dynamic and
Experiential Records (Roma: ANAI, 2008).

Available on line at

http://www.interpares.org/ip2/book.cfm.

## **InterPARES 3 International Alliance**

- Teams: TEAM (Theoretical Elaboration into Archival Management) Canada (including US); Africa; Brazil; Catalonia; China; Colombia; Italy; Korea; Malaysia; Mexico; Norway; Singapore; and Turkey.
- Director: Luciana Duranti
- Headquarters: UBC SLAIS (facilities provided by UBC)
- **Staff:** Project Director, Project Coordinator, Technological Coordinator, Administrative Assistant.
- **TEAM's Plenaries:** Twice a year each team meets.
- Summits and Symposia: Twice a year, each time hosted by a different country.
- Networking: One common Web site+individual TEAMs' sites
- Funding: SSHRC, and various sources from eacxh country

# **3 Primary Components**

### 1. Research component

(short-term and long-term projects, including case studies and general studies)

### 2. Education and training component

(in the context of research projects, apprenticeships, activities credited as part of coursework, etc.)

### 3. Knowledge-mobilization component

(workshops, seminars, colloquia, policy manuals and other publications, public lectures, etc., that meet the needs of both academic and community partners)

# Methodology (general)

### **Action Research**

- Practical, collaborative, pragmatic research directed toward producing solutions that are directly useful to a group of people
- Research subjects are co-participants and stakeholders in the process
- We jointly define research objectives and goals, co-construct research questions, pool knowledge and develop solutions and performance tests that implement specific strategies

# Methodology (general - cont.)

### **Action Research**

Two distinct methods of research:

- 1. Prototype development research
- 2. Ethnographic research

## Methodology (general - cont.)

## Prototype development research

- User-centered, collaborative prototyping approach that explores the interplay between theory and practice
- Proof-by-demonstration
- Comprises three major iterative stages:
  - 1. concept building (which we have done)
  - 2. system building
  - 3. system evaluation

# Methodology (general - cont.)

## **Ethnographic research**

- Creators of records, their users and archivists form a community of practice—the archival environment—for which social interaction creates meaning and defines values
- Researchers place themselves within an archival environment to gain the cultural perspective of those responsible for records
- Observation of the environment with detailed description, extensive interviewing and analysis of the documents

## **Case and General Studies**

- Case studies (3 types):
  - 1. Dealing with specific groups or types of **records**.
  - 2. Dealing with record/information systems.
  - 3. Dealing with **policies**.
- **General studies** (4 types):
  - Studies carried out by one TEAM or a group of TEAMs for the benefit of all TEAMs (e.g., Annotated Bibliography of International Standards, E-mail Preservation)
  - 2. Studies in which **all TEAMs** take part (e.g., Terminology Database).
  - 3. Studies conducted by a TEAM that will prove **useful for that TEAM only** (e.g., Annotated Canadian Standards)
  - 4. Studies conducted by a group of TEAMS for its own benefit (e.g. Protocol Register)

## **Products**

- Policies, strategies and procedures for archival organizations or programs, and guidelines for the records creators whose records fall under their responsibility.
- Action plans for the specific case studies carried out in the course of the Project.
- Criteria to determine "most-at-risk" materials e.g., checklist of age (date created, date last accessed), physical carrier, operating system, software used, equipment required and its availability, etc.

# **Products (cont.)**

- Evaluation models for assessing the degree of risk, if any, involved in the chosen preservation action.
- Cost-benefit models for various types of archival organizations or programs and for various kinds of records and/or systems.
- Ethical models that identify and make explicit the consequences for individuals and society of types of preservation measures or lack thereof.

# **Products (cont.)**

- Training and education modules for preservers, professional associations and university programs; and a strategy for delivering them.
- Position papers directed to key regulating, auditing and policy-making bodies, advocating the vital need of embedding planned digital preservation in the requirements they issue for the activities they regulate, audit or control.

# **Malaysia's Contributions**

**TEAM Malaysia**, using PUSTAKA as the test bed, has been working on the development of a **policy for digital preservation**, and this will benefit the Sarawak government as PUSTAKA is the custodian of State Government archives.

It has also worked on ERMS Recordkeeping
Functional Requirements for the Superior
Courts of Malaysia, on web archiving and other
topics, which you will hear about tomorrow.

## **InterPARES 3 Web Site**

