

InterPARES 3 Project

International Research on Permanent Authentic Records in Electronic Systems

TEAM Canada

Principle-based Concepts for the Long-Term Preservation of Digital Records

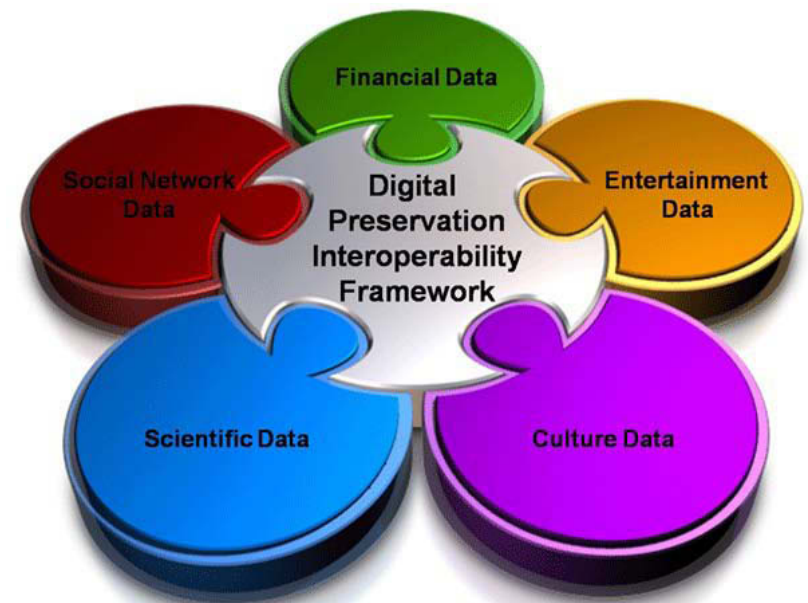
Jim Suderman

InterPARES Research Project
University of British Columbia




Presentation to the Digital
Preservation Interoperability
Framework Symposium

Dresden, Germany

21 April 2010



Interoperability

[Ford Home](#) [Lincoln Home](#) [Mercury Home](#)


SYNC® [About SYNC®](#) [Features](#) [Availability](#) [SYNC Owner Support](#)

Say the word.

Amazing features, easily controlled by the sound of your voice.

▶ Watch SYNC in Action

"Get Directions,"



Turn-by-Turn Navigation


SYNC Features Include:

- ▶ Hands-free Calling
- ▶ Turn-by-Turn Navigation
- ▶ 911 Assist™
- ▶ Music Search
- ▶ Vehicle Health Report
- ▶ News, Sports and Weather
- ▶ Business Search
- ▶ Real-time Traffic
- ▶ Audible Text Messages


SYNC Owner?
Go to the SYNC Owner Center website to activate or customize SYNC features.

▶ [Login](#) ▶ [Create Account](#)


HIGHLIGHTS




Demo: Hands-free Calling
Time: 1:04




Demo: Turn-by-Turn Navigation
Time: 0:52




Demo: 911 Assist
Time: 0:29



Demo: Music Search
Time: 1:02



Demo: Vehicle Health Report
Time: 0:47



Demo: News, Sports and Weather
Time: 0:42

[See All SYNC® Features](#)

InterPARES Project

International Research on Permanent Authentic Records in Electronic Systems

project overview



www.interpares.org

[Welcome message from Project Director, Dr Luciana Duranti](#)

The International Research on Permanent Authentic Records in Electronic Systems (InterPARES) aims at developing the knowledge essential to the long-term preservation of authentic records created and/or maintained in digital form and providing the basis for standards, policies, strategies and plans of action capable of ensuring the longevity of such material and the ability of its users to trust its authenticity. InterPARES has developed in three phases:



InterPARES 1 was initiated in 1999 and concluded in 2001. It focused on the development of theory and methods ensuring the preservation of the authenticity of records created and/or maintained in databases and document management systems in the course of administrative activities, and took the perspective of the preserver.

InterPARES 2 was initiated in 2002 and concluded in 2007. In addition to dealing with issues of authenticity, it delved into the issues of reliability and accuracy during the entire lifecycle of records, from creation to permanent preservation. It focused on records produced in complex digital environments in the course of artistic, scientific and governmental activities.

InterPARES 3 was initiated in 2007 and will continue through 2012. This third phase of the Project builds upon the findings of InterPARES 1 and 2, as well as of other digital preservation projects worldwide. It will put theory into practice, working with small and medium-sized archives and archival / records units within organizations, and develop teaching modules for in-house training programs, continuing education and academic curricula.



THE
UNIVERSITY OF
BRITISH
COLUMBIA

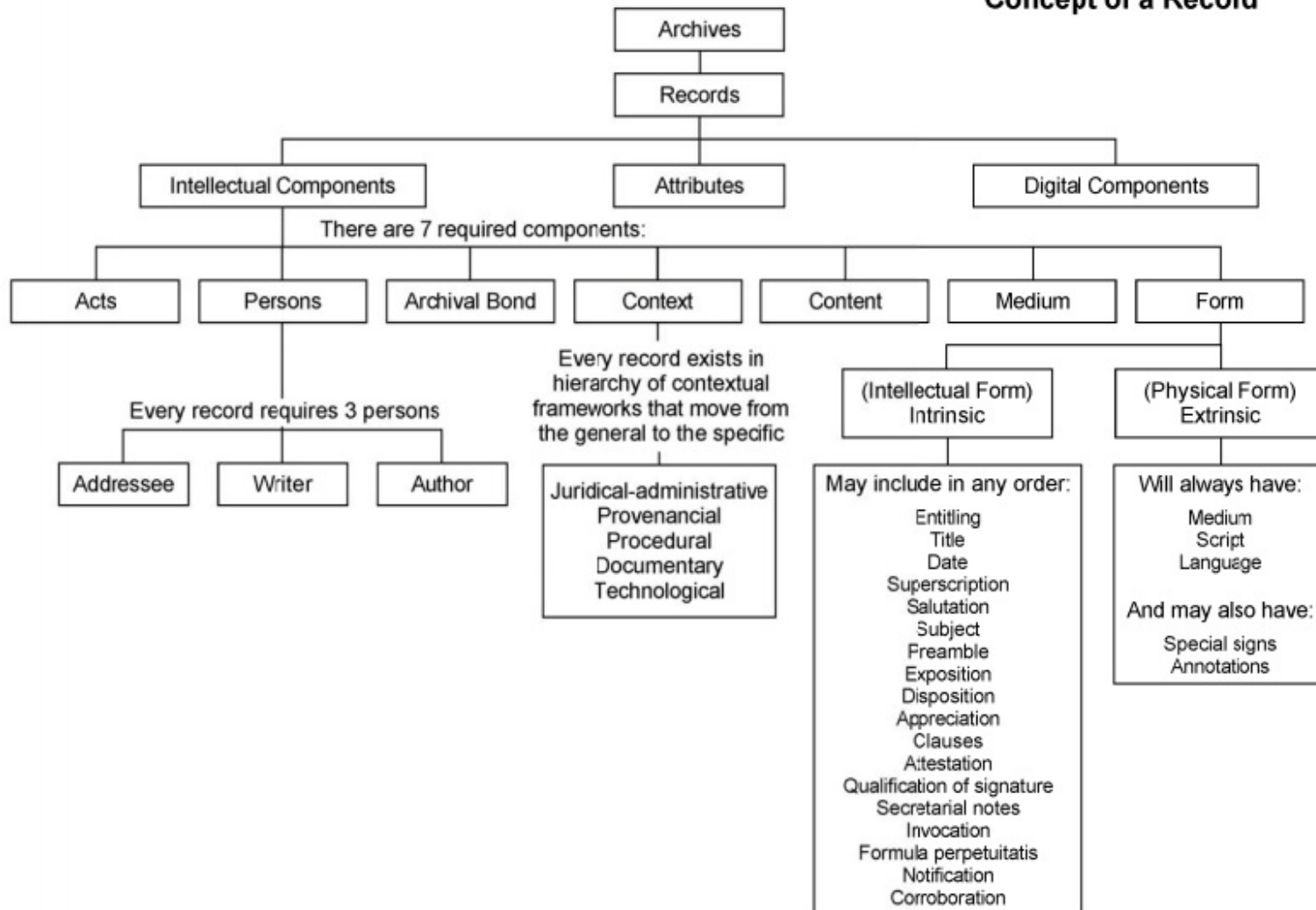
Concept of a Record



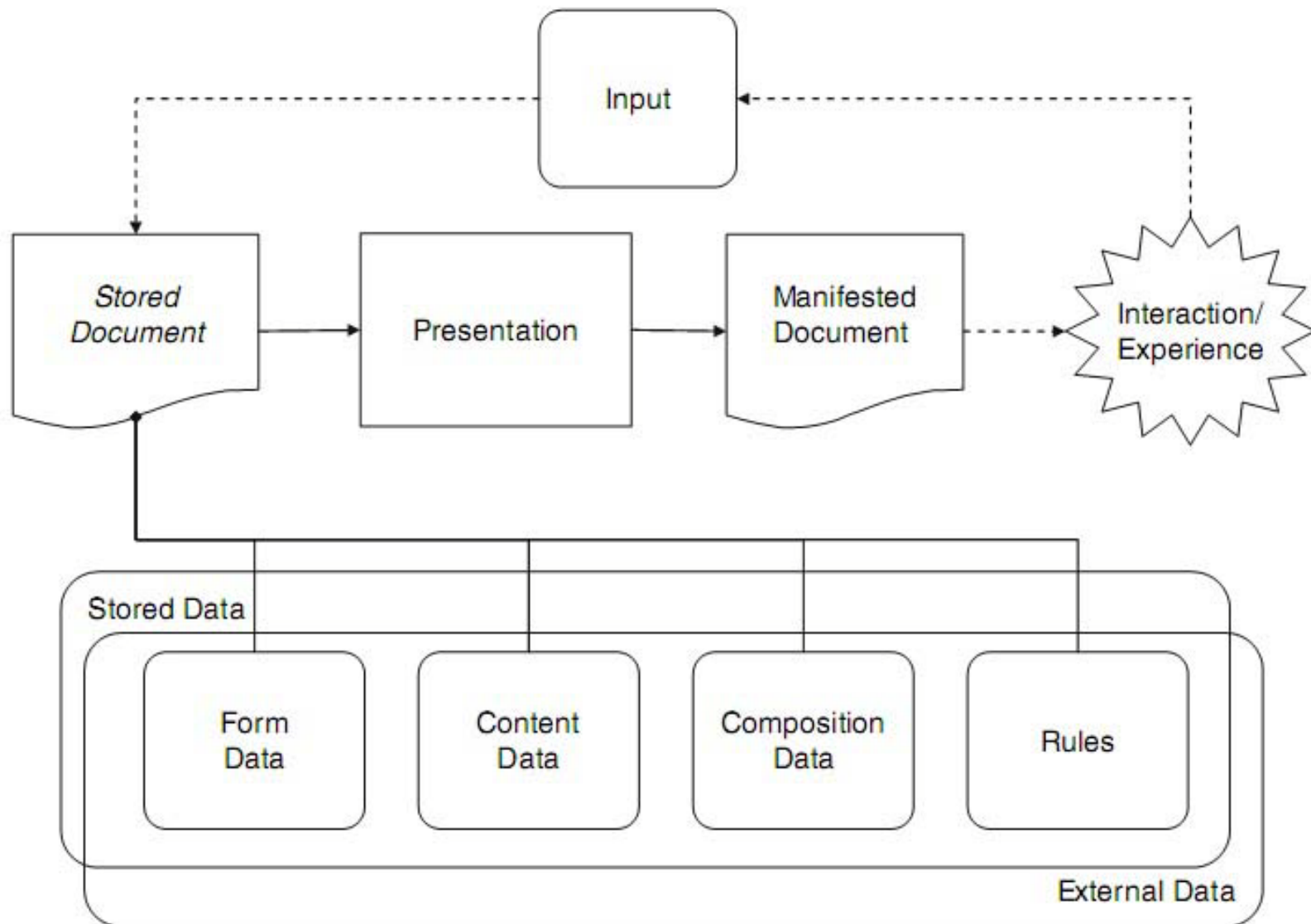
InterPARES 2 Project

International Research on Permanent Authentic Records in Electronic Systems

ONTOLOGY A: Concept of a Record

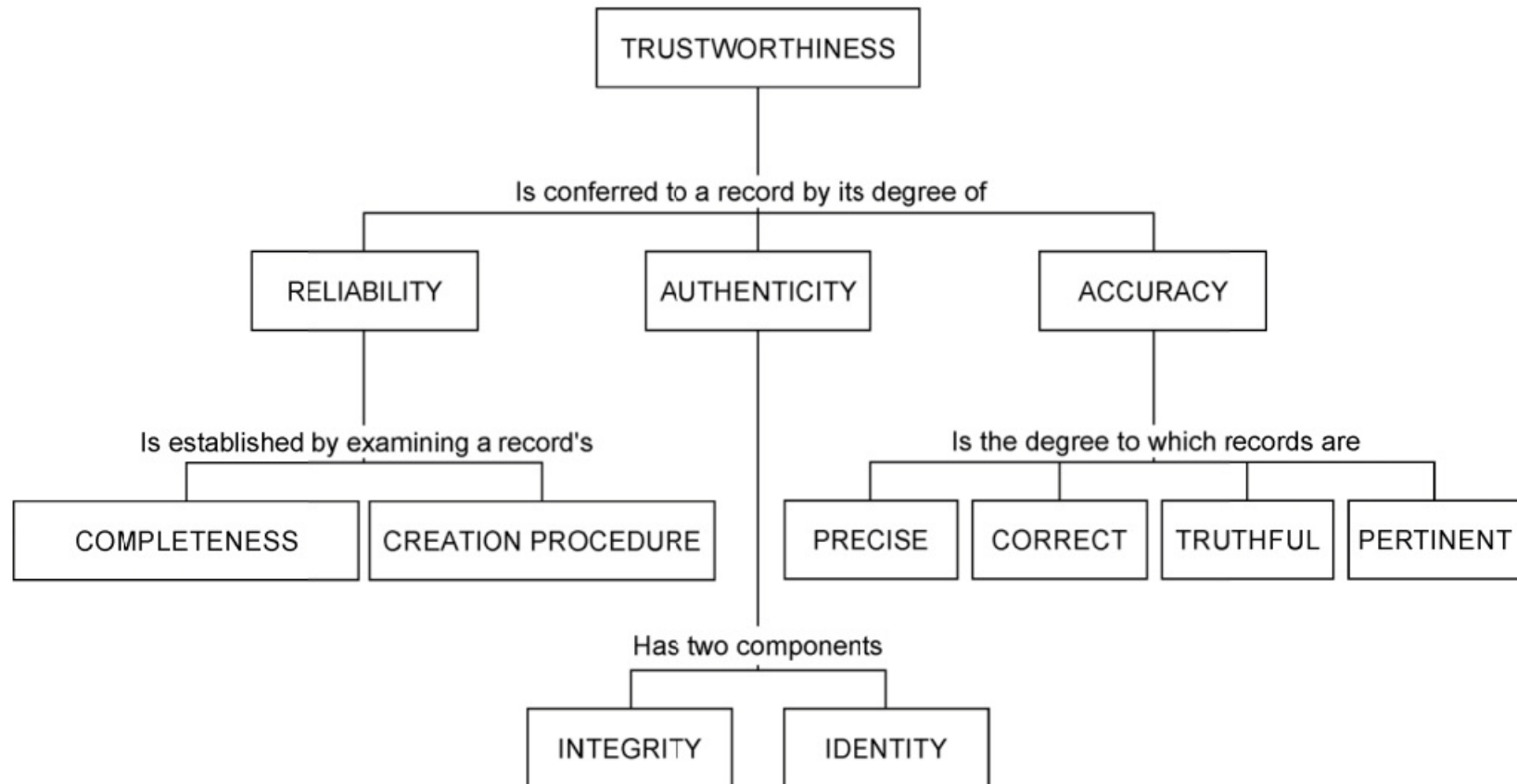


Stored and Manifested Records



Trustworthiness of a Record

ONTOLOGY C: Trustworthiness of a Record



Presumption of Authenticity

Benchmarks

A.1: Expression of
Record
Attributes and
Linkage to
Record

- Identity
- Integrity

A.2: Access Privileges

A.3: Protective
Procedures
against loss and
corruption

A.4: Protective Procedures
against obsolescence
(media, technology)

A.5: Established
documentary form

A.6: Record authentication

A.7: Authoritative record

A.8: Relevant
documentation

Authenticity Baseline

B.1: Controls over transfer, maintenance, and reproduction of records

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

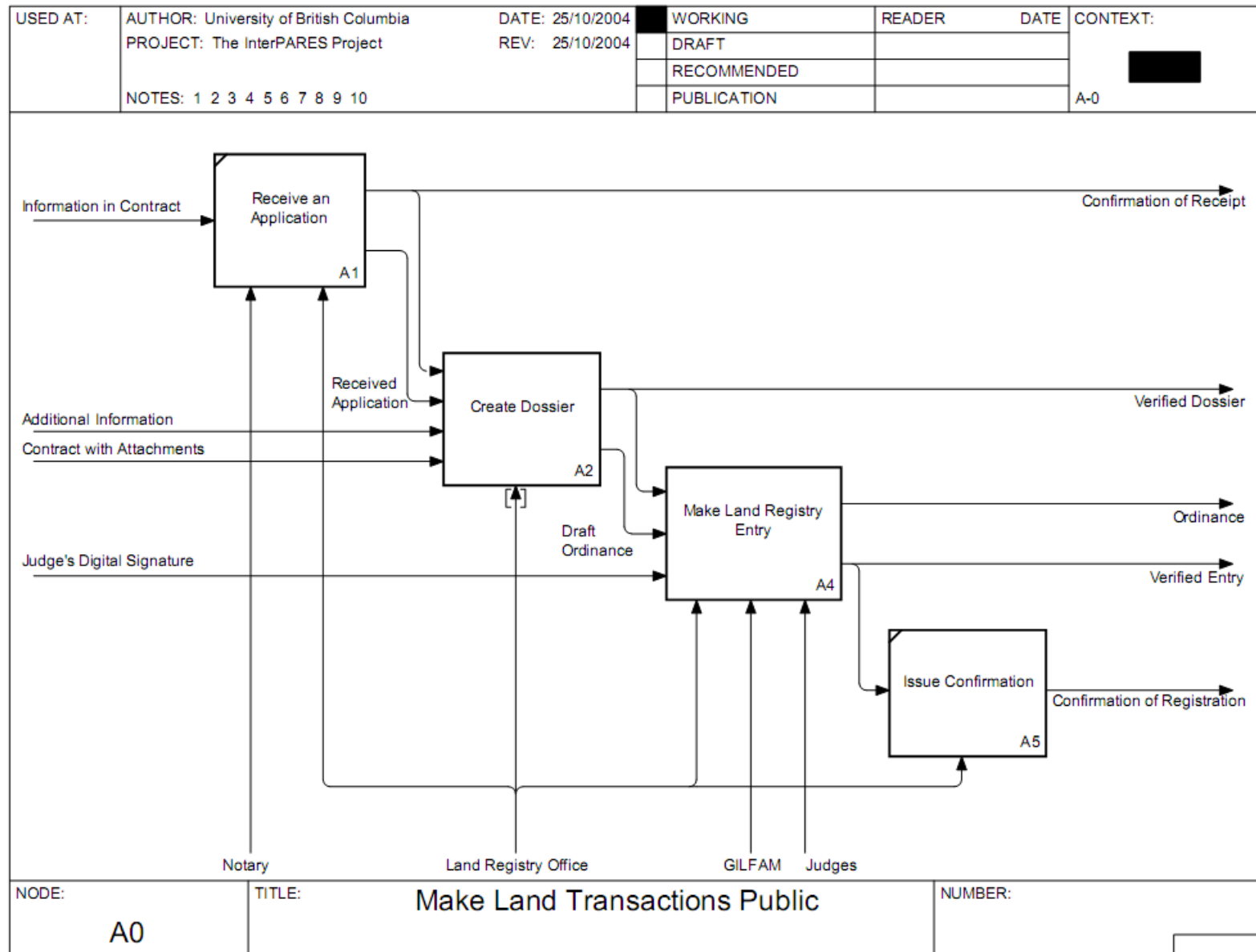
B.2: Documented reproduction process and effects

the activity of reproduction has been documented

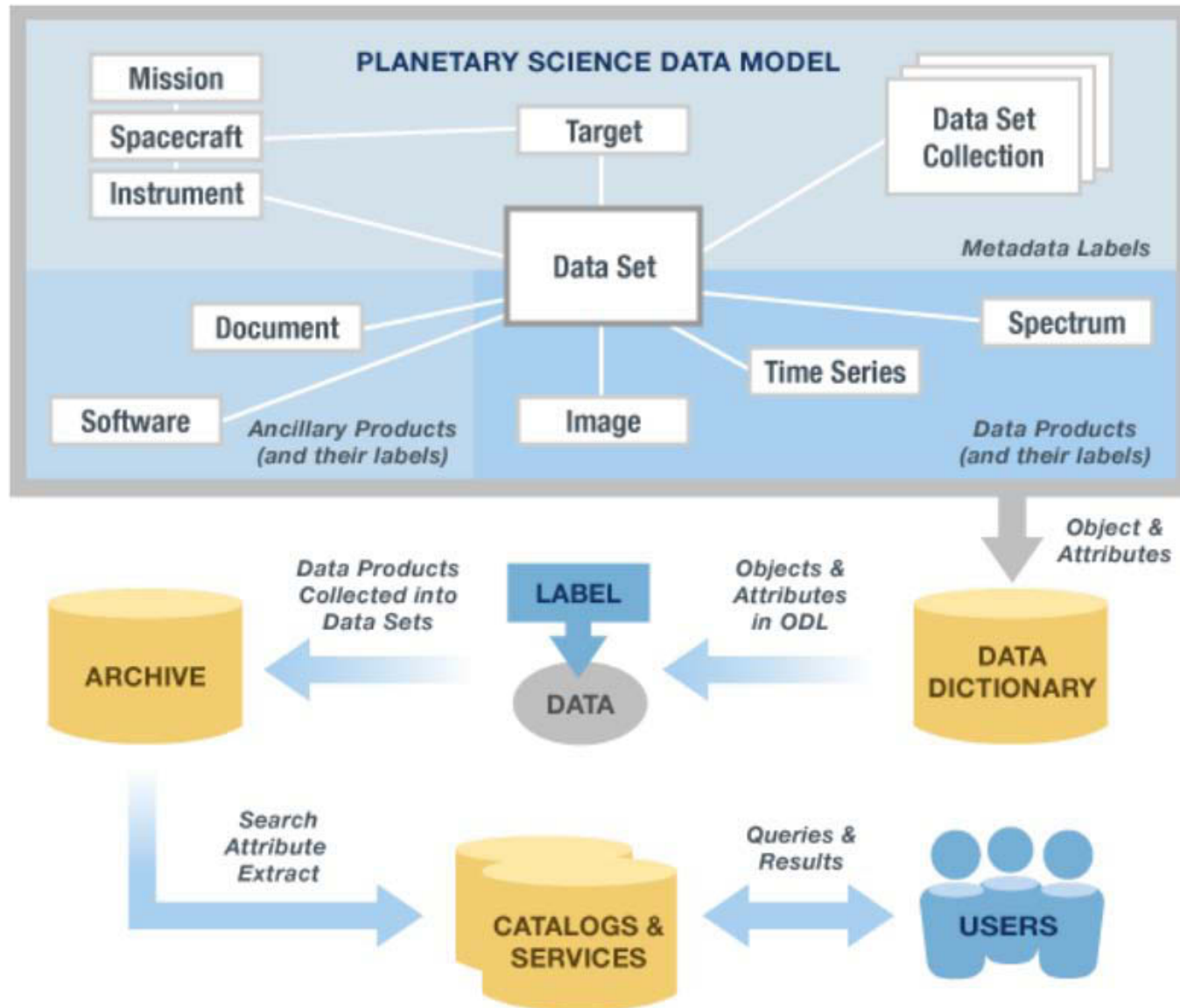
B.3: Archival Description

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.

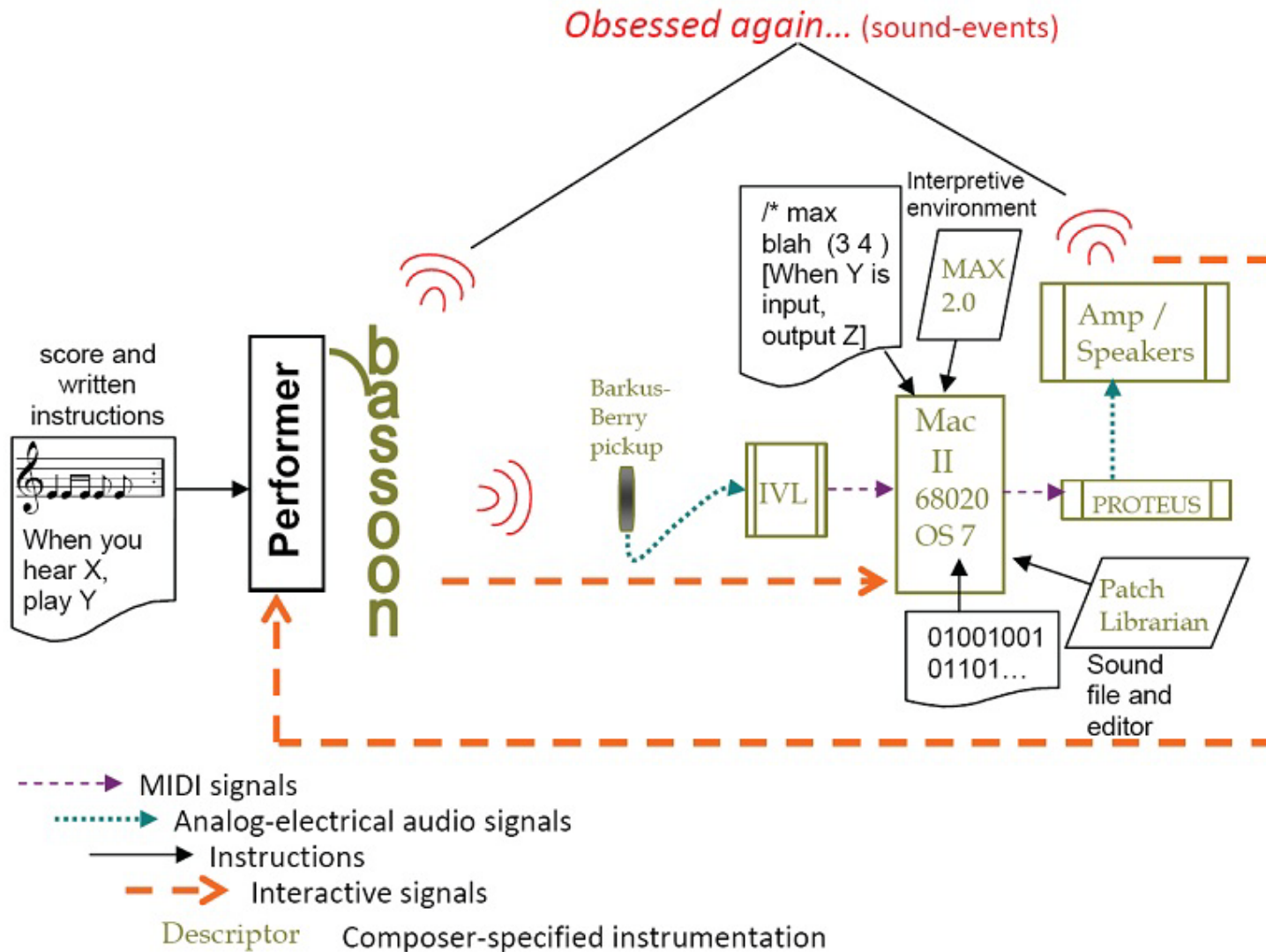
Alsace-Moselle Land Registry



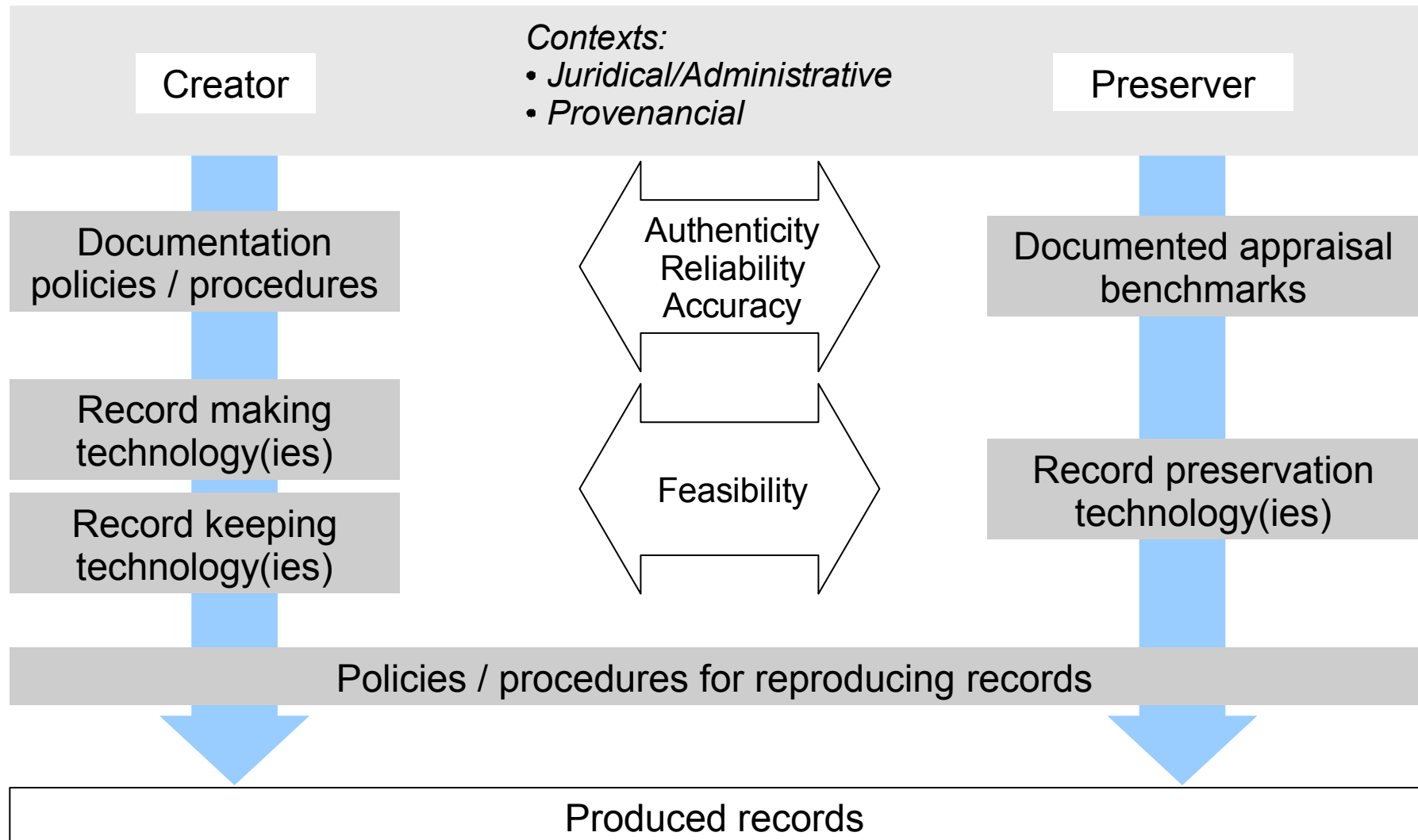
Mars Global Surveyor Data Records



Obsessed Again...



Role-based Preservation Reference Model



Based on InterPARES Chain of Preservation Model

<http://interpares.org/ip2/display_file.cfm?doc=ip2_book_appendix_14.pdf>