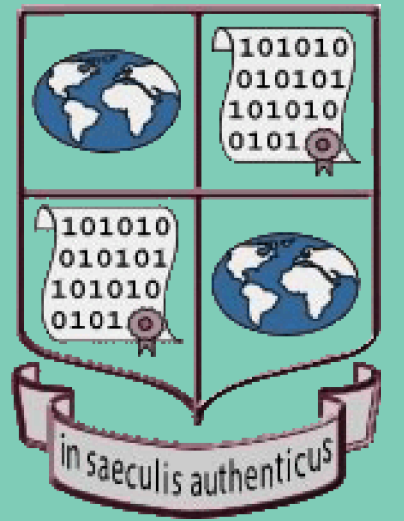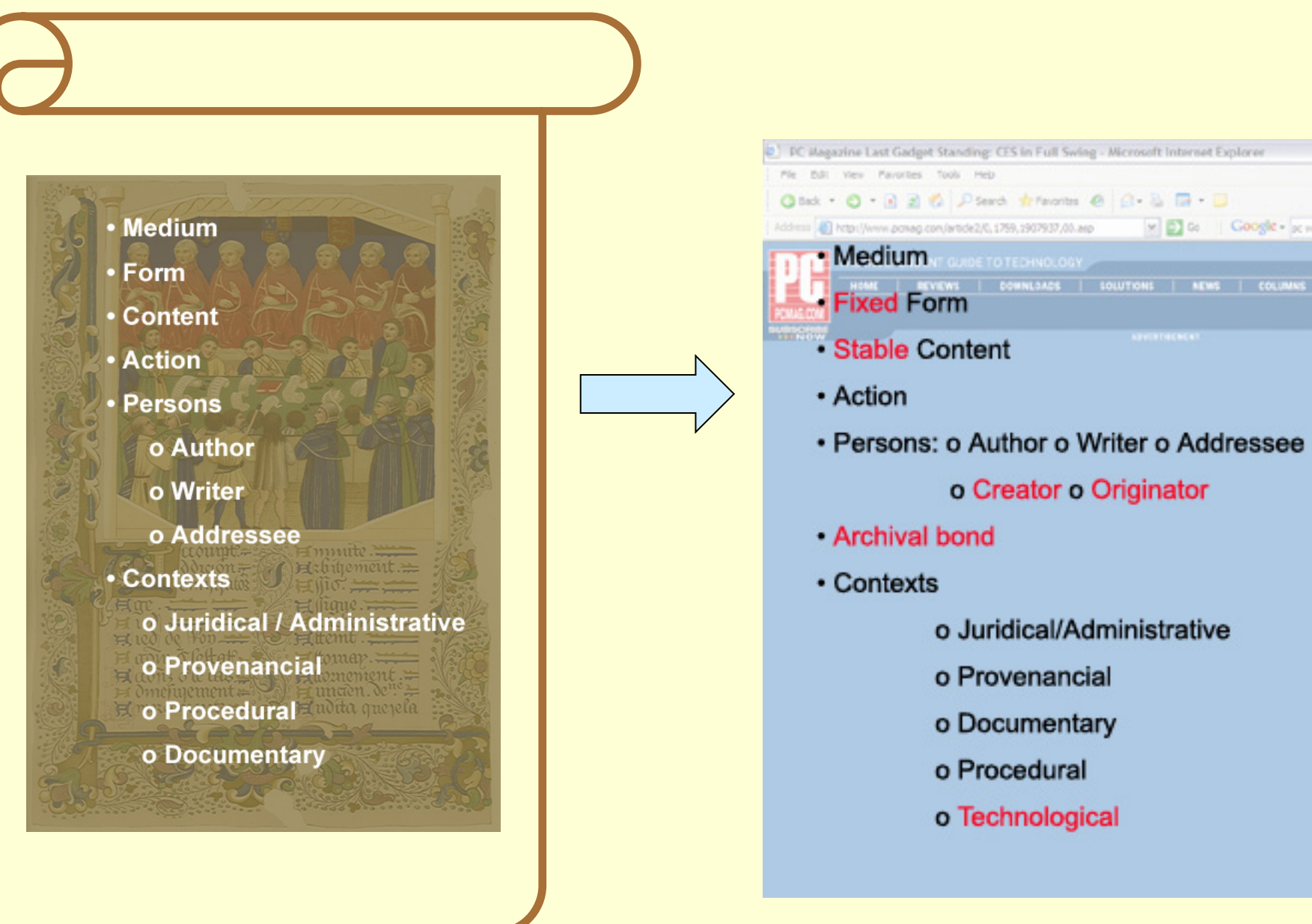# Archival Diplomatics of Digital Records
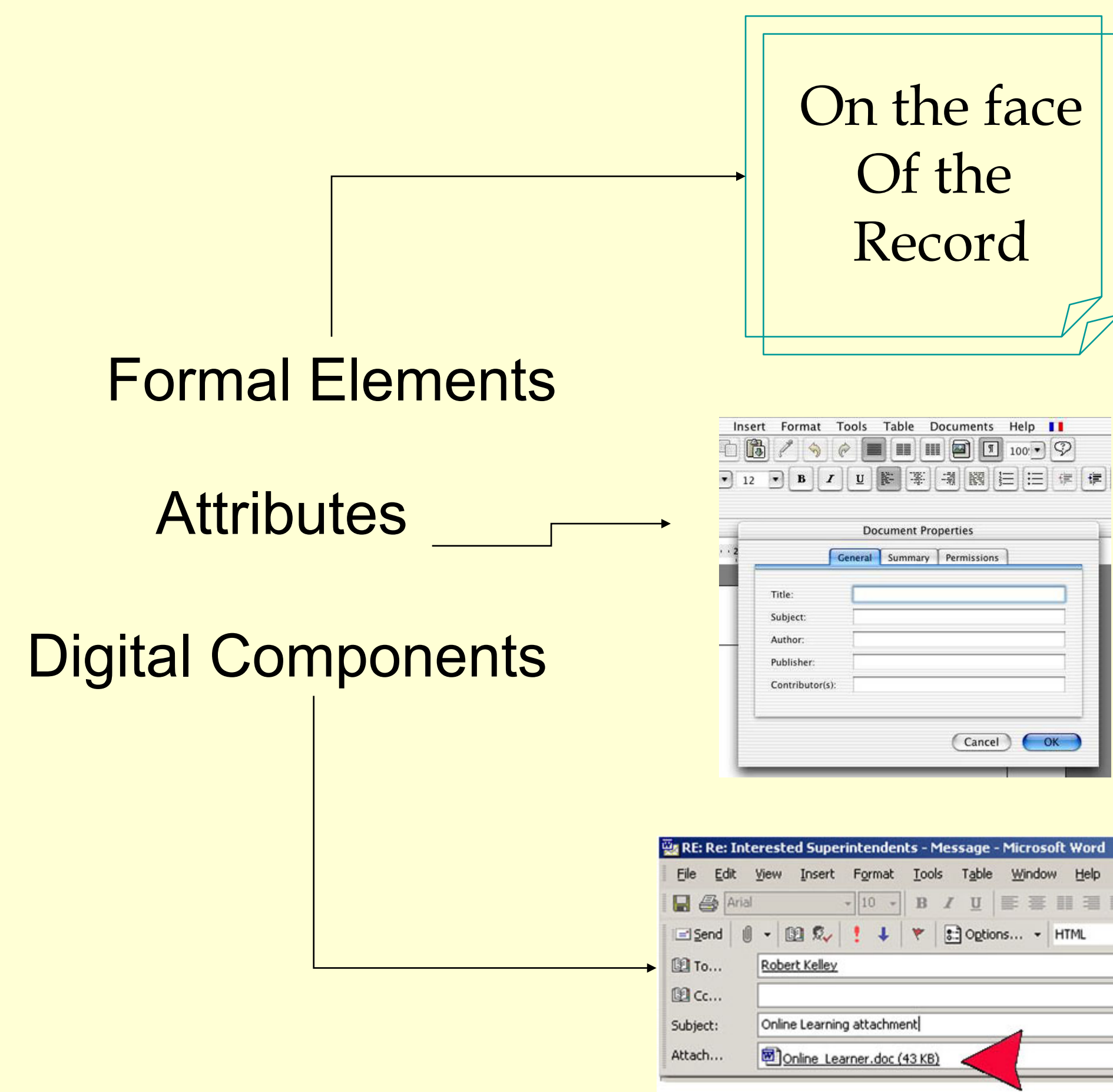
Dr. Luciana Duranti
The University of British Columbia

The Concept of Record

Digital Record Characteristics

On the face
Of the
Record

Formal Elements

Attributes

Digital Components
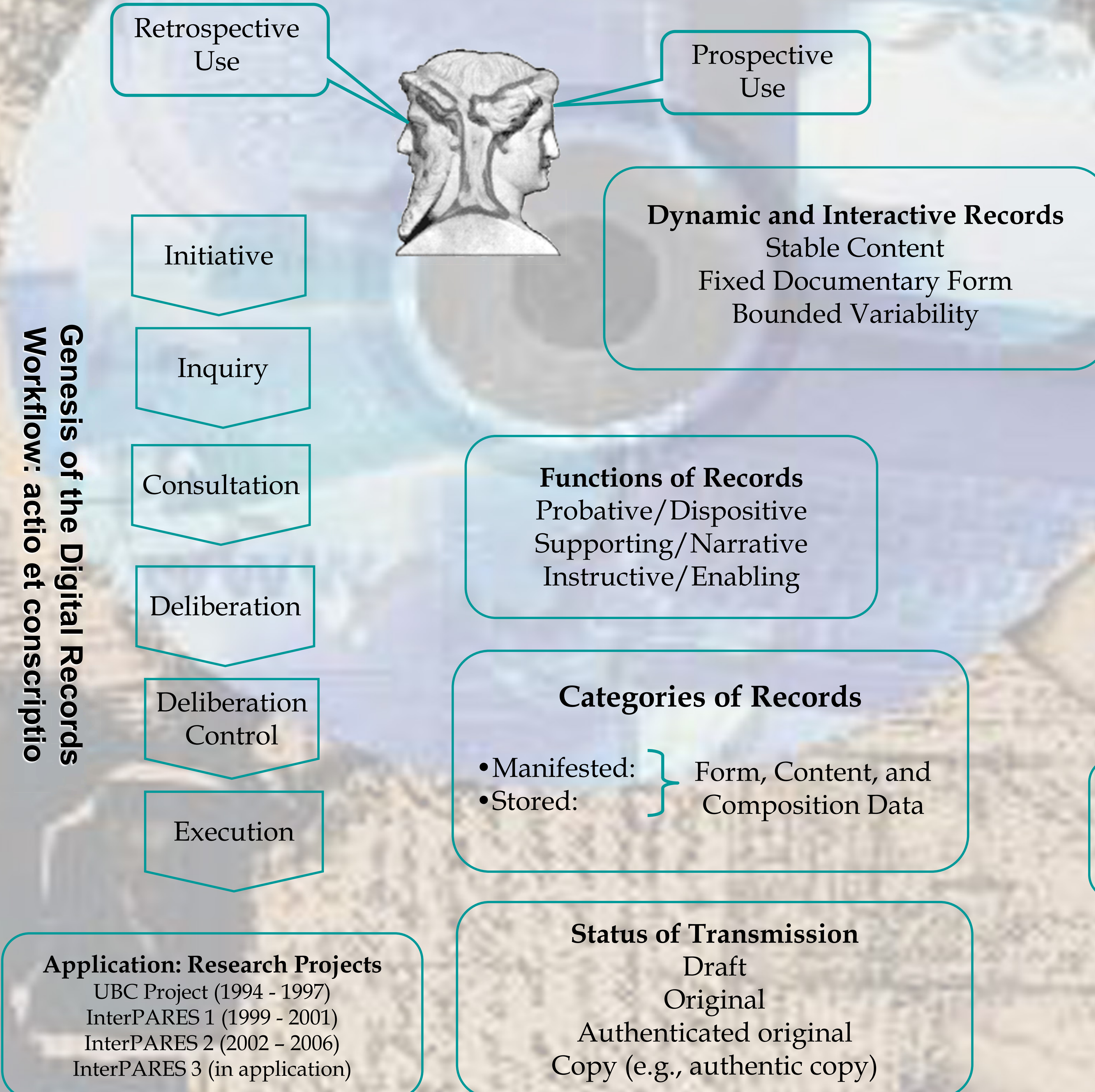
Lifecycle of Digital Records
Phase 1: Records of the creator
Phase 2: Authentic copies of the records of the creator

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Archival Diplomatics

The integration of archival and diplomatic theory about the genesis, inner constitution, and transmission of documents; and about their relationship with the facts represented in them, with other documents produced in the course of the same function and activities, and with their creators.

Retrospective Use

Prospective Use

Genesis of the Digital Records
Workflow: actio et conscriptio

Initiative

Inquiry

Consultation

Deliberation

Deliberation Control

Execution

Dynamic and Interactive Records
Stable Content
Fixed Documentary Form
Bounded Variability

Functions of Records
Probative/Dispositive
Supporting/Narrative
Instructive/Enabling

Categories of Records

• Manifested:
• Stored:

Form, Content, and Composition Data

Status of Transmission
Draft
Original
Authenticated original
Copy (e.g., authentic copy)

Application: Research Projects
UBC Project (1994 - 1997)
InterPARES 1 (1999 - 2001)
InterPARES 2 (2002 – 2006)
InterPARES 3 (in application)

The Concept of Trustworthiness

Reliability

The trustworthiness of a record as a statement of fact. It exists when a record can stand for the fact it is about.

Authenticity

• identity
• integrity

The trustworthiness of a record as a record; i.e., the quality of a record that is what it purports to be and that is free from tampering or corruption.

Accuracy

The degree to which data, information, documents or records are precise, correct, truthful, free of error or distortion, or pertinent to the matter.
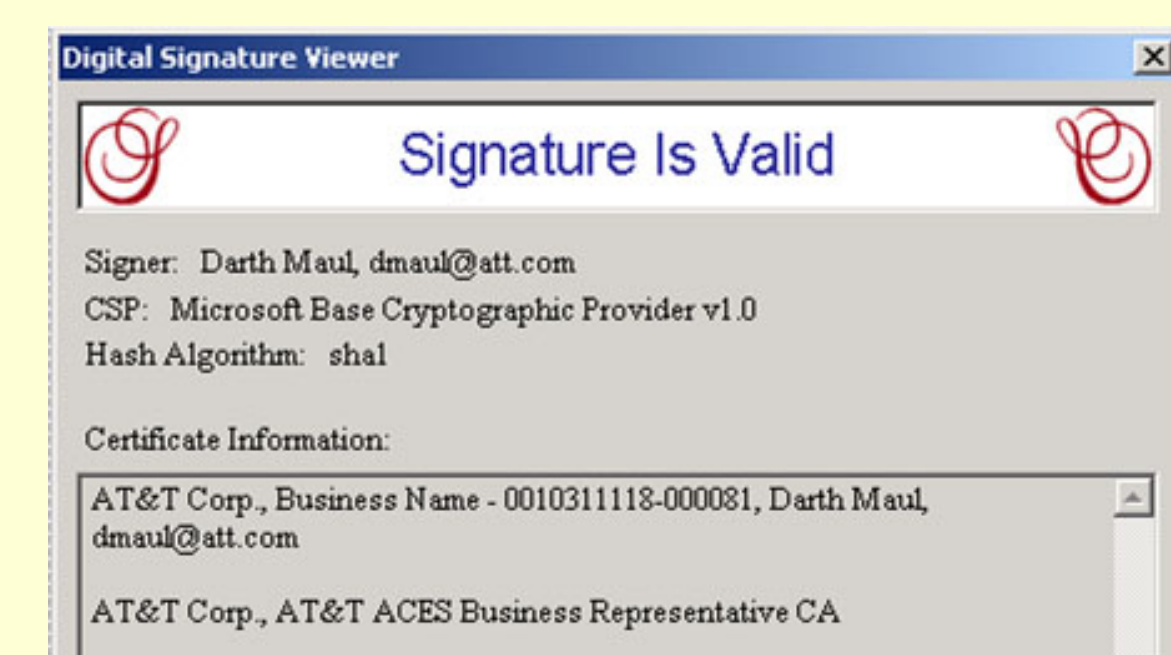
Metadata
Identity Metadata
Integrity Metadata

Digital Signature

✓ As a Means of Authentication

Authenticity Requirements
Benchmark Requirements
Baseline Requirements