



# Advanced Electronic Records Institute

## Landscape Overview

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# Community Traces

- **1960s:** National archives, data archives
- **1970s:** increasing interest and concern
- **1980s:** digitization developments
- **1990s:** library, museum, Web collections
- **2000s:** digital art, geospatial, e-science...
- **2010s:** research data, analog archives...

variations by nation, domain, size, complexity...

# 1996 PDI Report

## Challenges:

- obsolescence
- migration
- legal issues
- infrastructure
- lack framework

## **Preserving Digital Information**

**Report of the Task Force on Archiving of Digital Information**

**commissioned  
by  
The Commission on Preservation and Access  
and  
The Research Libraries Group**

May 1, 1996

# Two Foundation Documents

*Trusted Digital Repositories: Attributes and Responsibilities (RLG/OCLC)*

<http://www.oclc.org/programs/ourwork/past/trustedrep/repositories.pdf>

*OAIS Reference Model (CCSDS)*

[ISO 14721]

<http://public.ccsds.org/publications/archive/650x0m2.pdf>

# Attributes of TDR

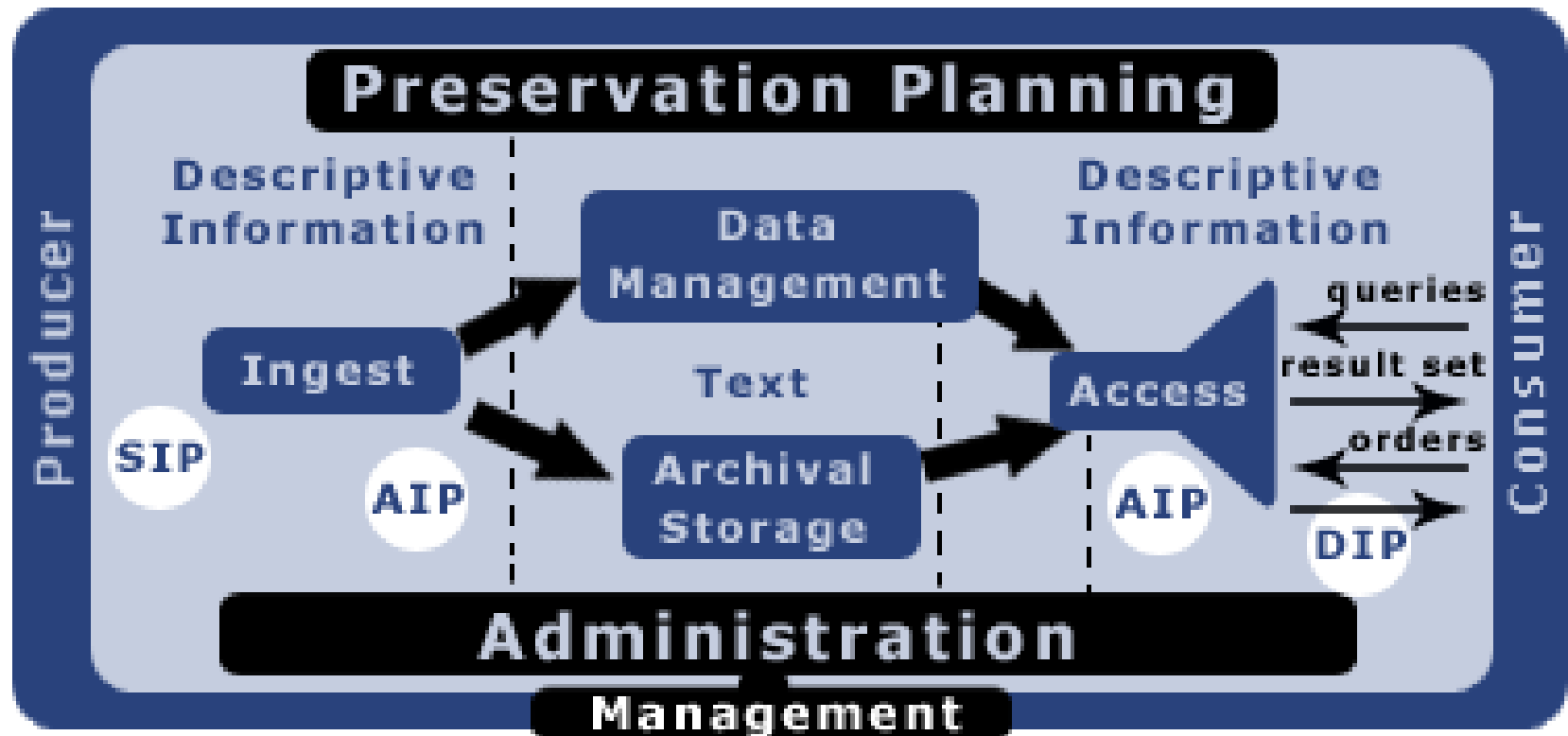
- OAIS Compliance
- Administrative Responsibility
- Organizational Viability
- Financial Sustainability
- Technological and Procedural Suitability
- System Security
- Procedural Accountability

# Trusted Digital Repository Model

6. Procedural Accountability (Certification)



# OAIS High Level Reference Model



**Open Archival Information System  
(OAIS) Model**

# Merged Model





# Standards and Practice

- Trusted Digital Repositories: Attributes and Responsibilities, 2002
- Open Archival Information System Reference Model (ISO 14721), 2003 and 2012
- Producer Archive Interface Method Abstract Standard (PAIMAS), 2005 and update pending
- NISO Building Good Digital Collections, 3.0 2007
- Preservation Metadata Implementation Strategies, v. 1.0 in 2005 and v. 2.1 in 2011
- Blue Ribbon Task Force on Sustainable Preservation and Access, 2010

# Recent Addition

Audit and Certification of Trustworthy Digital  
Repositories (ISO 16363:2012)

**Builds on:**

Trustworthy Repositories Audit & Certification  
(TRAC): Criteria and Checklist, 2007