



Advanced Electronic Records Institute

Digital Repository Management Using OAIS

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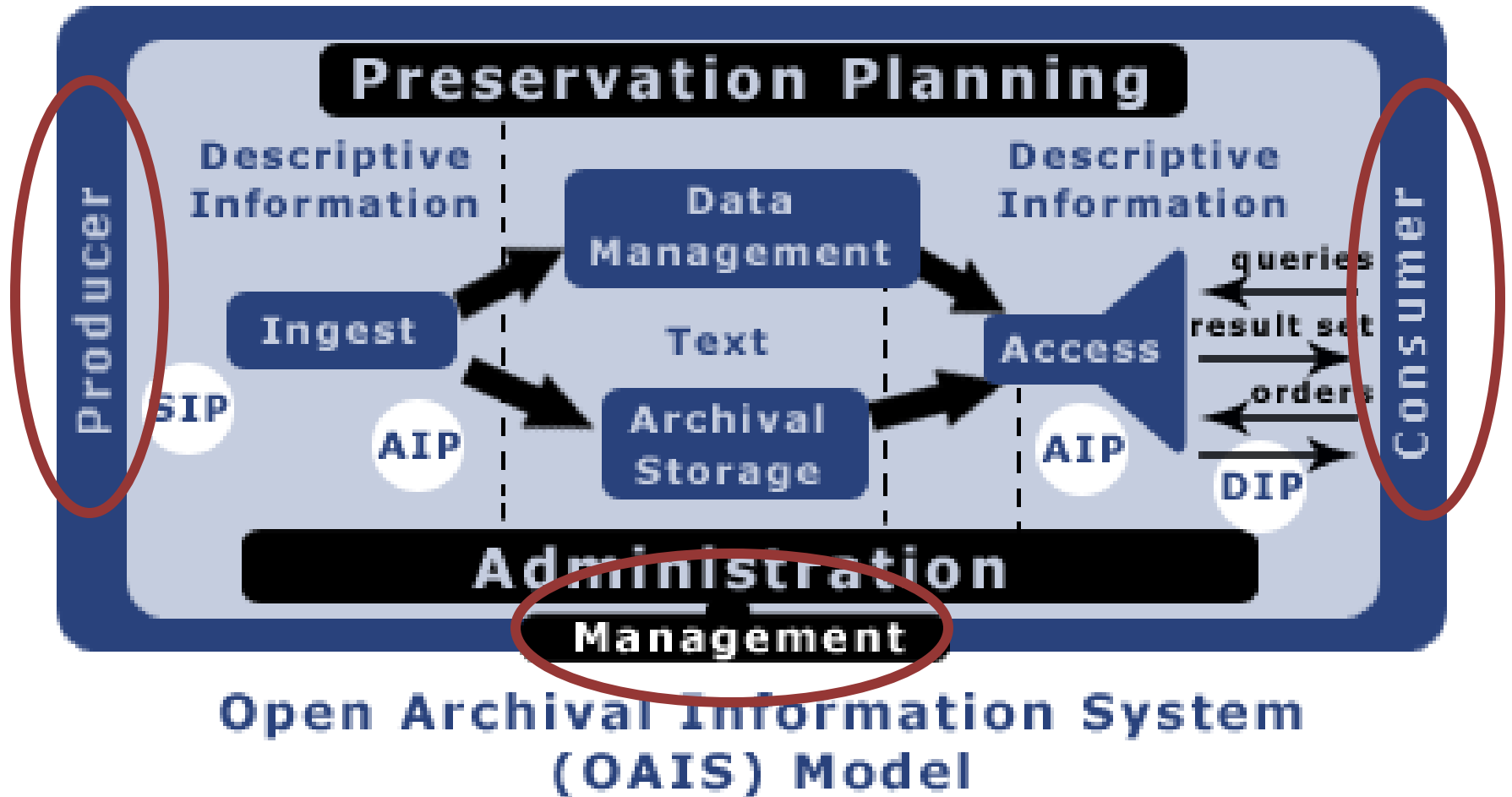


This project made possible by a grant from the U.S. Institute of Museum and Library Services

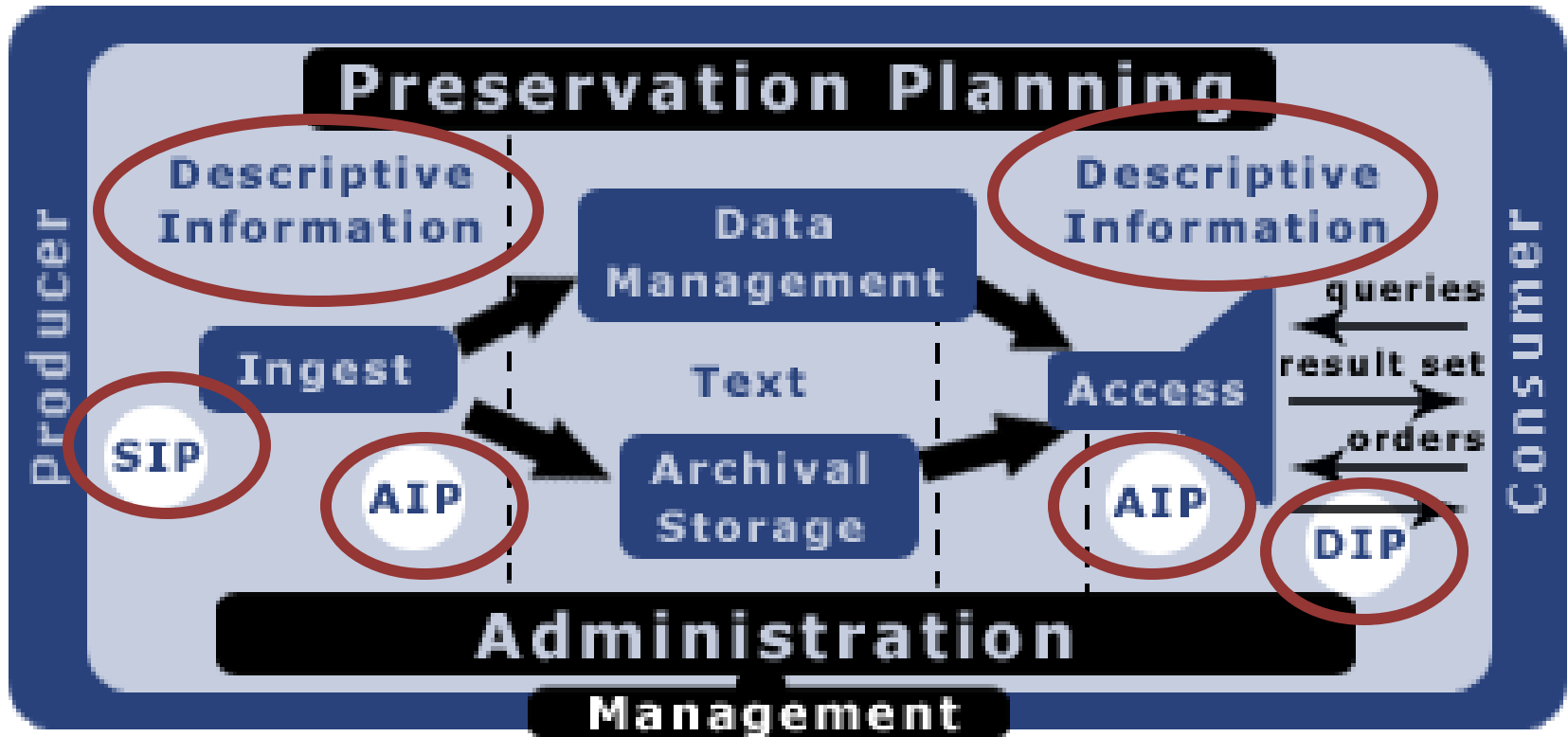
Purpose of OAIS

- raise understanding, awareness, consensus
- enable effective participation
- describe and compare
 - architectures and operations
 - preservation strategies and techniques
- understand digital info data models
- guide growth of OAIS-related standards

Actors – the roles

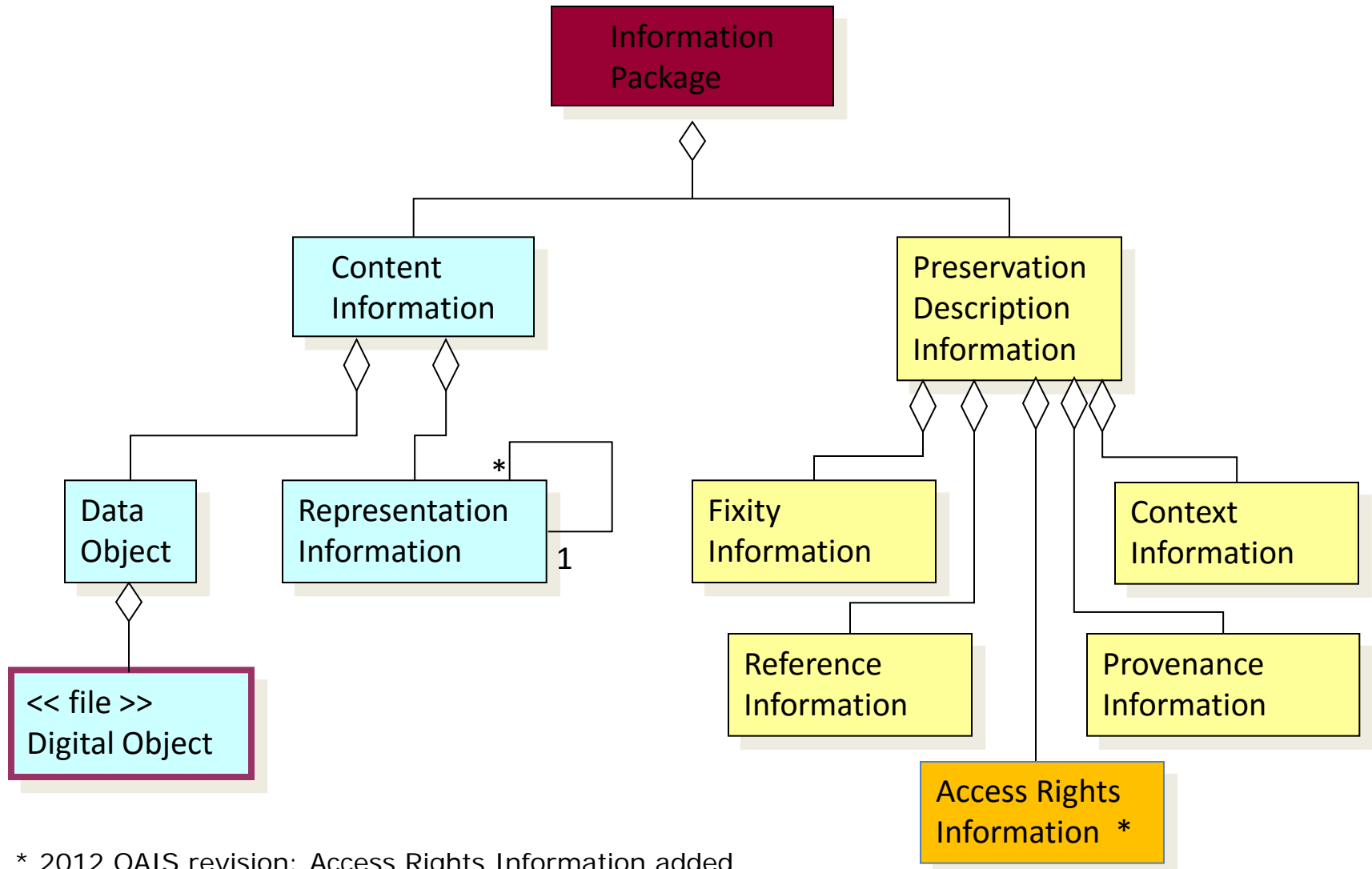


Objects – the content



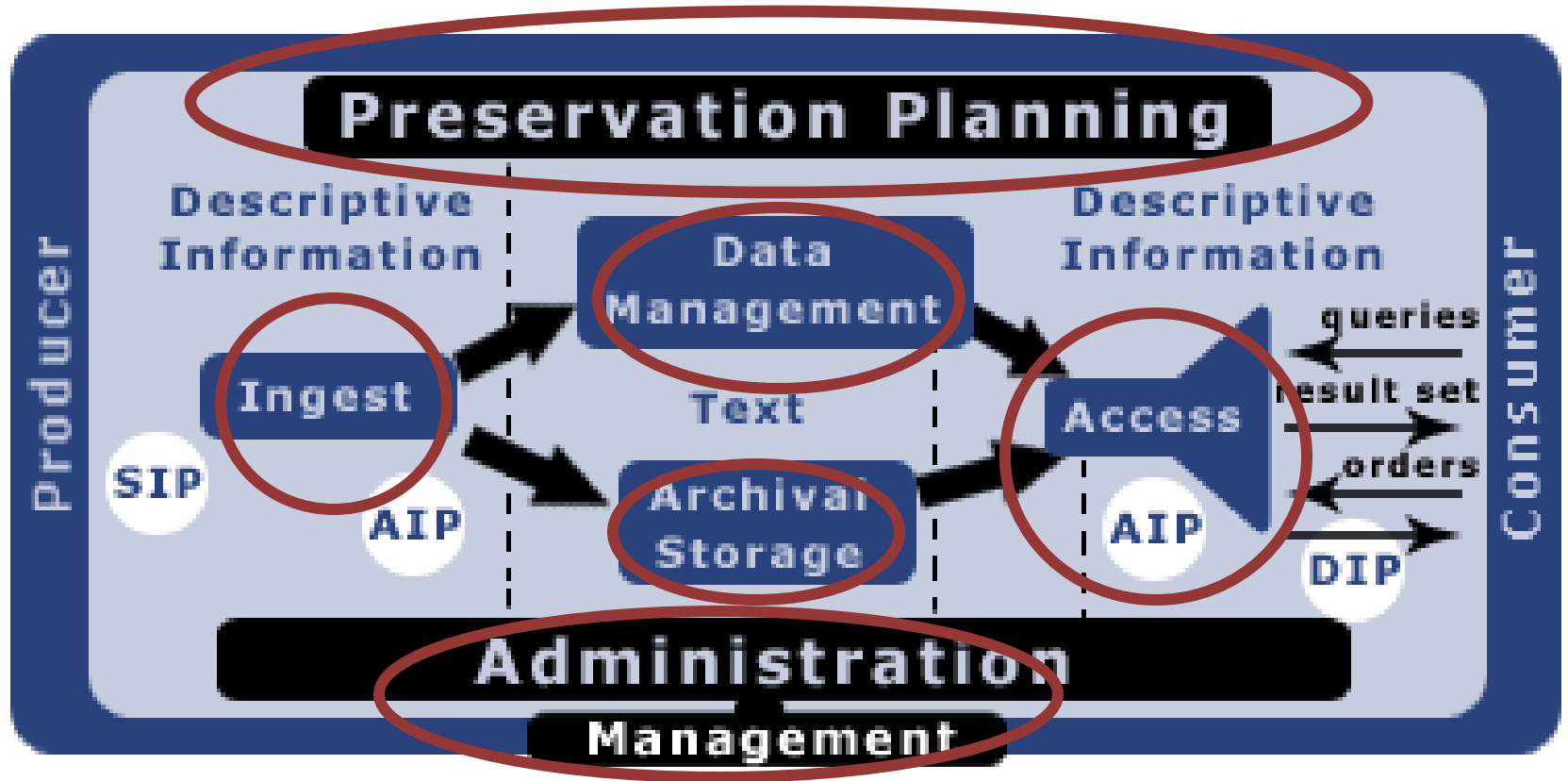
**Open Archival Information System
(OAIS) Model**

OAIS Information Package



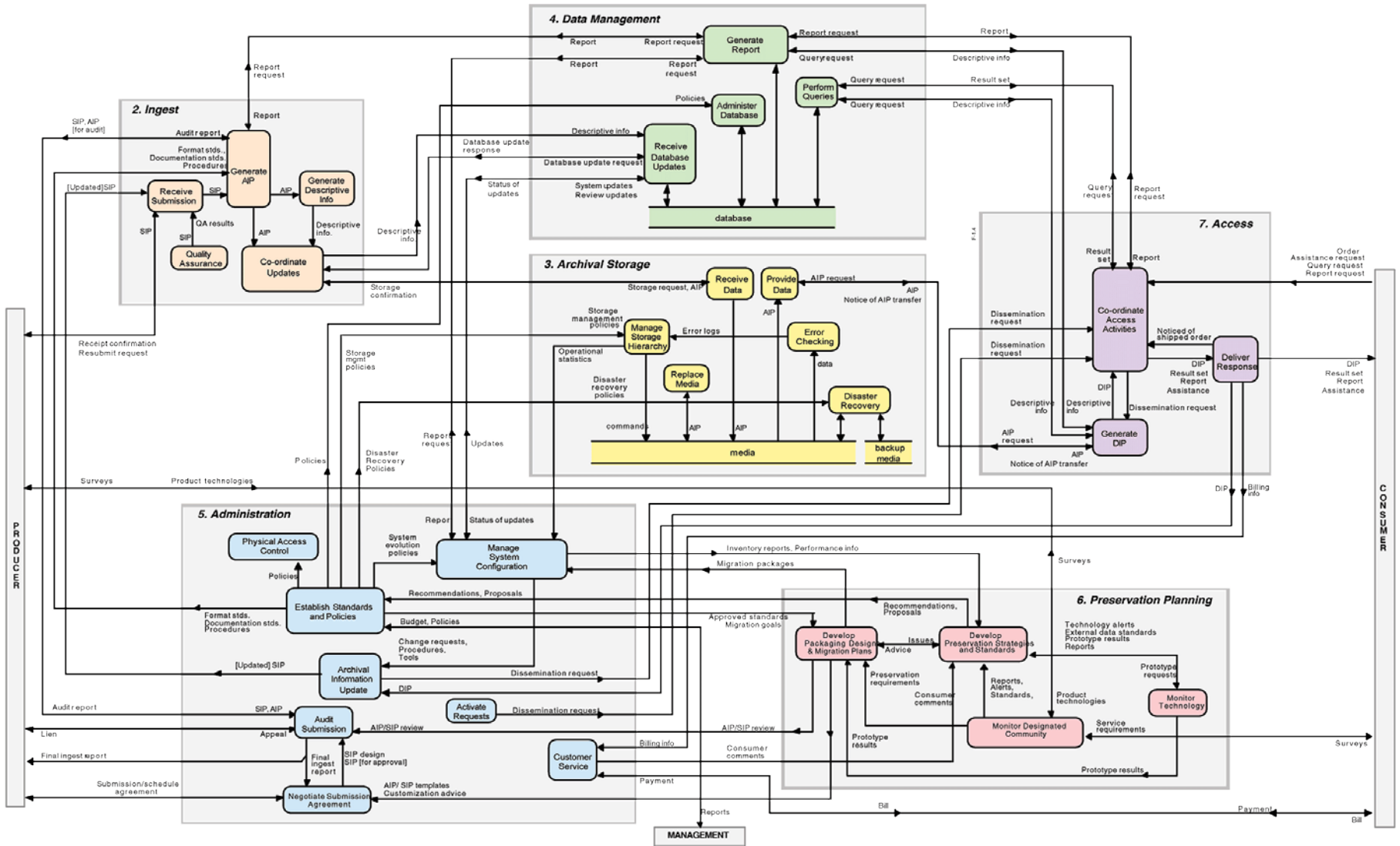
* 2012 OAIS revision: Access Rights Information added

Actions – the functions



Open Archival Information System (OAIS) Model

OAIS Detailed Model



2 Ingest Functions

- Receive Submission
- Quality Assurance
- Generate Archival Information Package
- Generate Descriptive Information
- Coordinate Updates

...the content arrives –

what will the OAIIS accept and how?

3 Archival Storage Functions

- Receive Data
- Manage Storage Hierarchy
- Replace Media
- Error Checking
- Disaster Recovery
- Provide Data

**...the content is stored and maintained –
what happens to objects over time?**

4 Data Management Functions

- Administer Database
- Perform Queries
- Generate Report
- Receive Database Updates

**...the content is kept, found, updated, etc. –
how will the OAIS track, retrieve, deliver objects
as needed?**

5 Administration Functions

- Negotiate Submission Agreement
- Manage System Configuration
- Archival Information Update
- Physical Access Control
- Establish Standards and Policies
- Audit Submission
- Activate Requests
- Customer Service

...the OALS is managed –

how are the functions coordinated over time?

6 Preservation Planning Functions

- Monitor Designated Community
- Monitor Technology
- Develop Preservation Strategies and Standards
- Develop Packaging Designs and Migration Plans

...the content is preserved –

how will the OAIS respond to evolving technology and requirements?

7 Access Functions

- Coordinate Access Activities
- Generate Dissemination Information Package
- Deliver Response

**...the content is delivered as needed –
how will the OAIIS provide access to objects?**

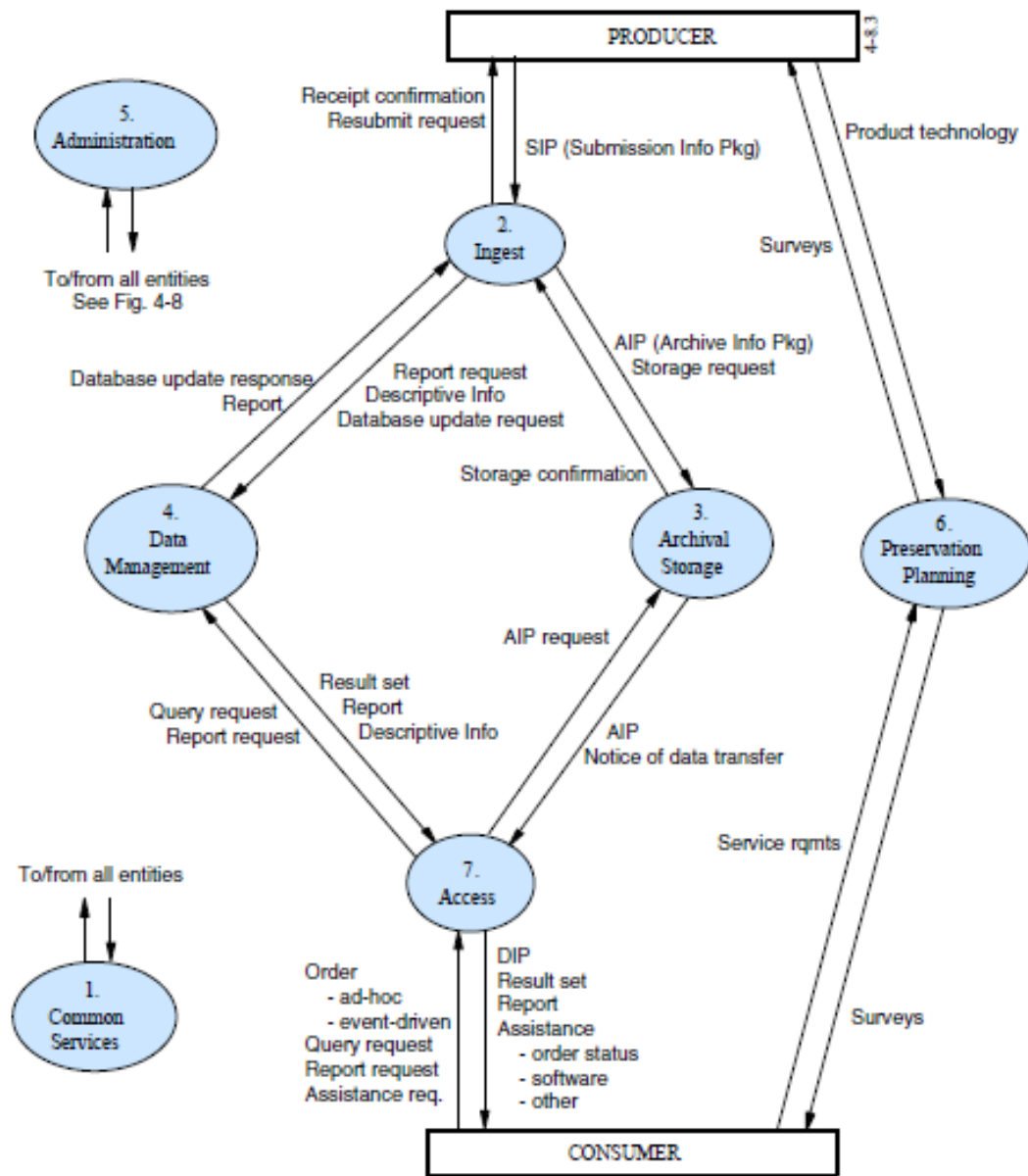


Figure 4-8: OAIS Data Flow Diagram

See Handout



Common Depository System

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This web site is no longer active and will not be further updated.

Documents

DP Policy Framework
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