

The OAIS Reference Model: Chapters 2 and 3

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Session outline:

- Chapter 2: OAIS Concepts
 - Introduction to the main underlying concepts, e.g. representation information, information packages,
- Chapter 3: OAIS Responsibilities
 - Elaborates on the six "mandatory responsibilities"



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Chapter 2 - OAIS Concepts (1)

- 2.1 OAIS Environment:
 - The *environment* surrounding an OAIS
 - Producers
 - Consumers
 - Management



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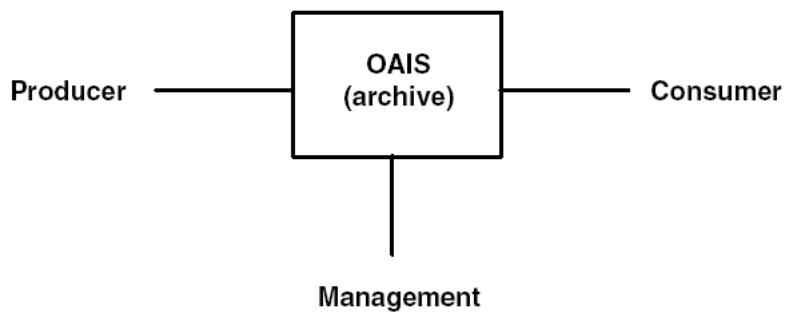


Figure 2-1: Environment Model of an OAIS



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Chapter 2 - OAIS Concepts (2)

- 2.2 OAIS Information
 - 2.2.1 Information Definition
 - Knowledge Bases
 - Representation Information
 - Information Objects and Data Objects

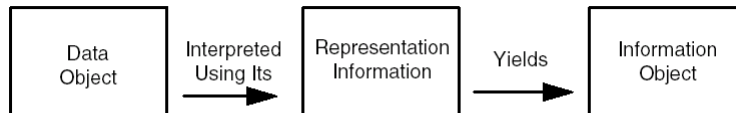


Figure 2-2: Obtaining Information from Data



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Chapter 2 - OAIS Concepts (3)

- 2.2.2 Information Package Definition
 - Information Packages = conceptual containers of Content Information and Preservation Description Information (PDI)
 - Encapsulated and identifiable by Packaging Information
 - Discoverable by virtue of Descriptive Information



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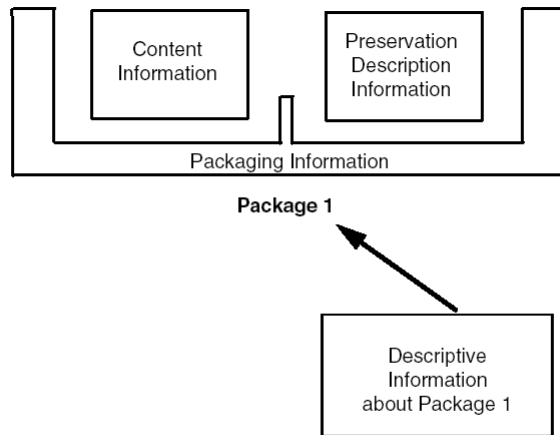


Figure 2-3: Information Package Concepts and Relationships



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Chapter 2 - OAIS Concepts (4)

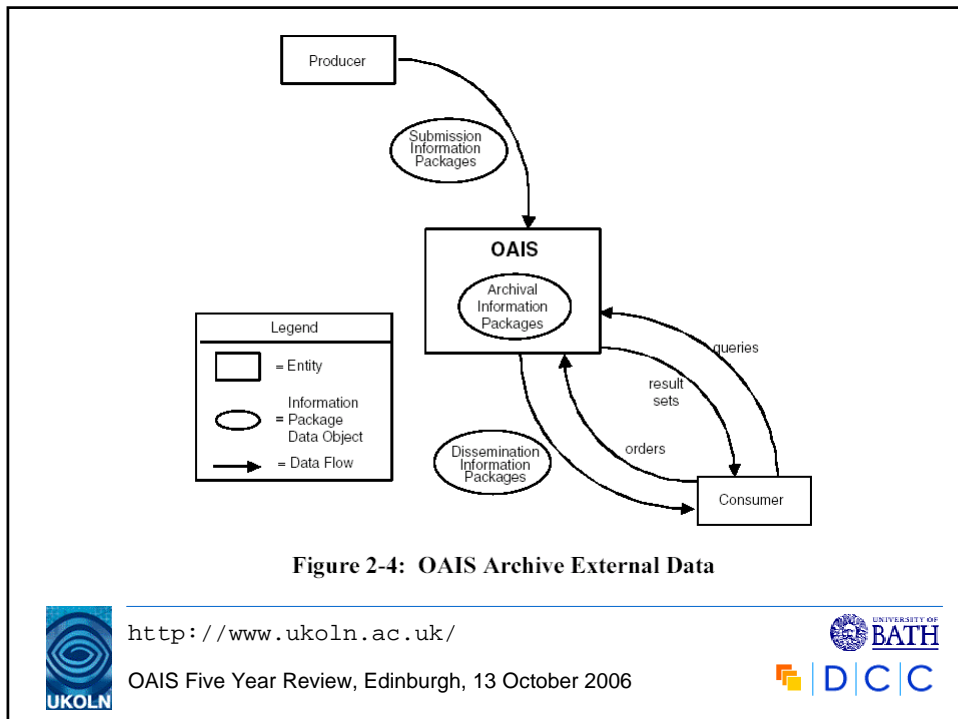
- 2.2.3 Information Package Variants
 - Submission Information Package (SIP)
 - Archival Information Package (AIP)
 - Dissemination Information Package (DIP)
- 2.3 OAIS High-Level External Interactions
 - Management interaction
 - Producer interaction
 - Consumer interaction



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Chapter 3 - OAIS Responsibilities

- 3.1 OAIS Mandatory Responsibilities
- 3.2 Example Mechanisms:
 - 3.2.1 Negotiates for and accepts information
 - 3.2.2 Obtains sufficient control for preservation
 - 3.2.3 Determines designated consumer community
 - 3.2.4 Ensures information is independently understandable
 - 3.2.5 Follows established policies and procedures
 - 3.2.6 Makes the information available



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References:

- OAIS Reference Model (2002):
<http://public.ccsds.org/publications/archive/650x0b1.pdf>
- DPC Technology Watch Report on OAIS model by Brian Lavoie (2004):
<http://www.dpconline.org/>



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