Les choix stratégiques des bibliothèques de recherche, 5 au 9 juillet 2005
34e congrès LIBER

IBM - a Provider of Systems for Digital Collections and Content Repositories

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IBM

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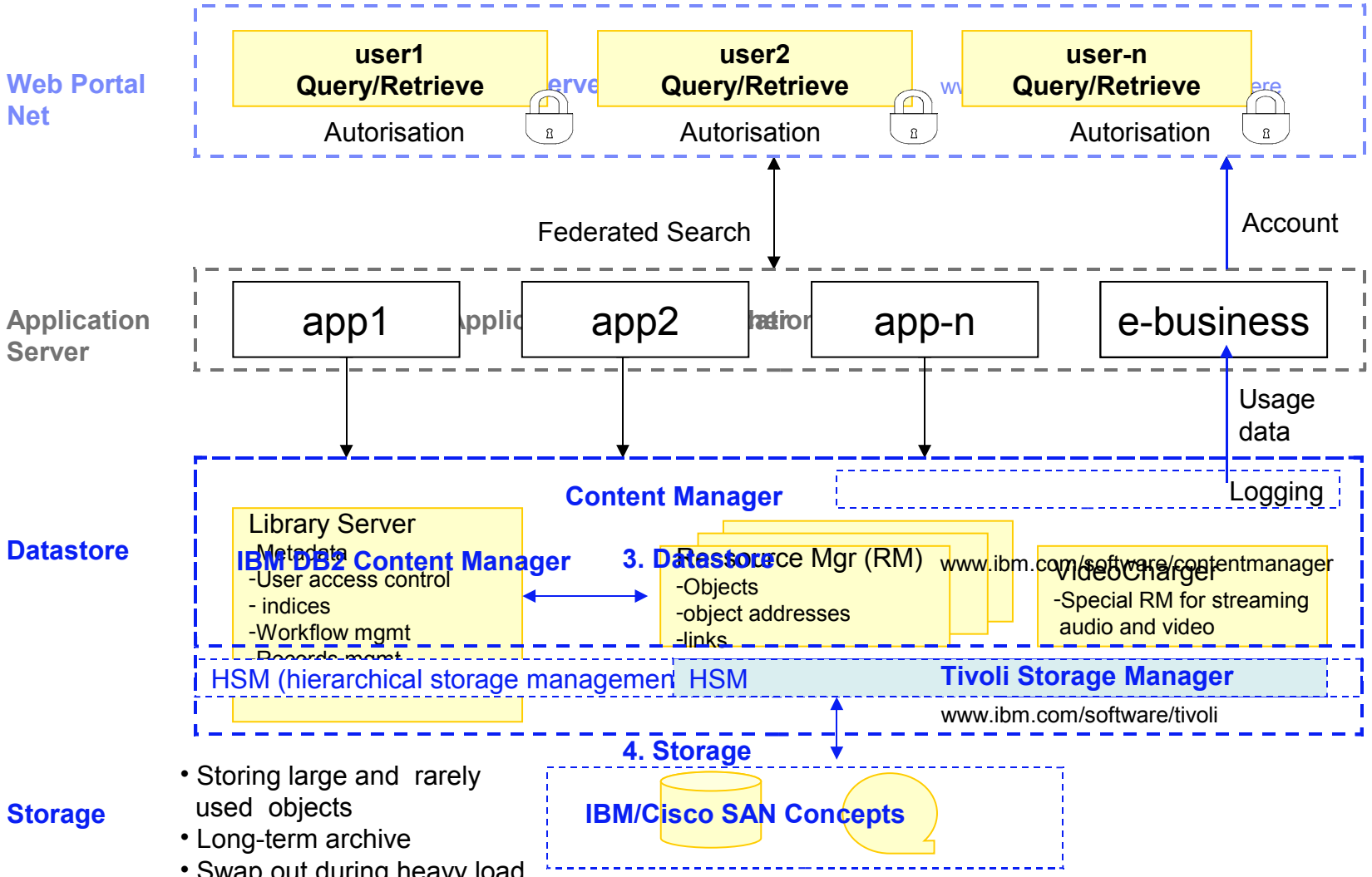
LIBER Annual Conference

06.07.2005

Content Management in General



IBM DB2 Content Manager: Customers Across Industries

- Media and Entertainment
  - Warner Brothers
  - CNN
  - NFL
  - Ogivly & Mather
  - Technicolor
  - Sesame Workshop
  - National Geographics

- DMS Customer base 12.000 +
  - BASF
  - BfA
  - Dt Post
  - Dow Jones/Reuters

- Cultural Heritage
  - Sevilla (91-92)
  - Vaticana (94)
  - Lutherhalle
  - Eremitage (since 1998)
  - Egypt. National Museum
  - MoMA, New York
  - SKM, Kopenhaven
  - Dansk. Library Blind
  - Taiwan Museum
  - HKSAR Library, HongKong
  - Koninklijke Bibliotheek, Netherlands
  - kopal, Germany

- University Collections
  - MyCoRe / Germany
    - (Bonn)
    - Braunschweig
    - Essen-Duisburg
    - Freiburg
    - Greifswald*
    - Halle
    - Hamburg
    - Jena*
    - Leipzig*
    - Münster
    - Rostock*
    - (Uppsala)
  - Testing:
    - Munich, Dresden, HDM Stuttgart
  - Others:
    - Indiana Music School
    - Marist College

* (Hosting) Services to other institutions

IBM DB2 Content Manager: University and Library Applications

- Traditional tasks:
  - Publication server
  - Dissertation/ habilitation server
  - Course Reserves

- New tasks:
  - University Press
  - Journal publishing
  - PR material
  - E-learning
  - Video-teaching
  - Image archives
  - University archives
  - Other archives
  - Digitisation/preservation of historic collections

- Historic collections:
  - Maps
  - Historic survey books
  - Historic year books
  - Journals, newspapers
  - Art collections
  - Papyri and ostraka
  - Music manuscripts
  - Old photos and films

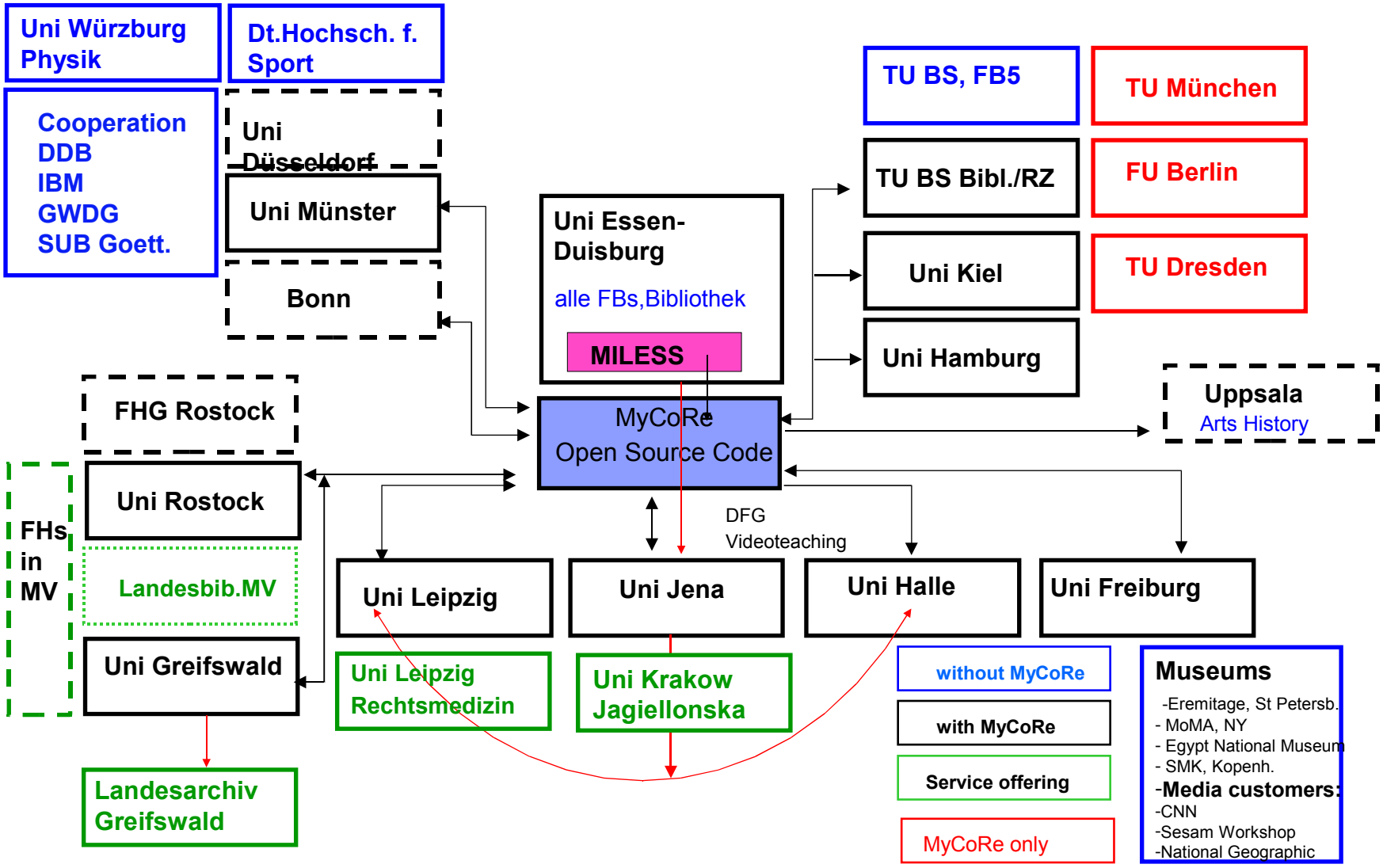
University involvement

- Braunschweig
- Freiburg
- Greifswald
- Halle
- Hamburg
- Jena
- Kiel
- Leipzig
- Rostock

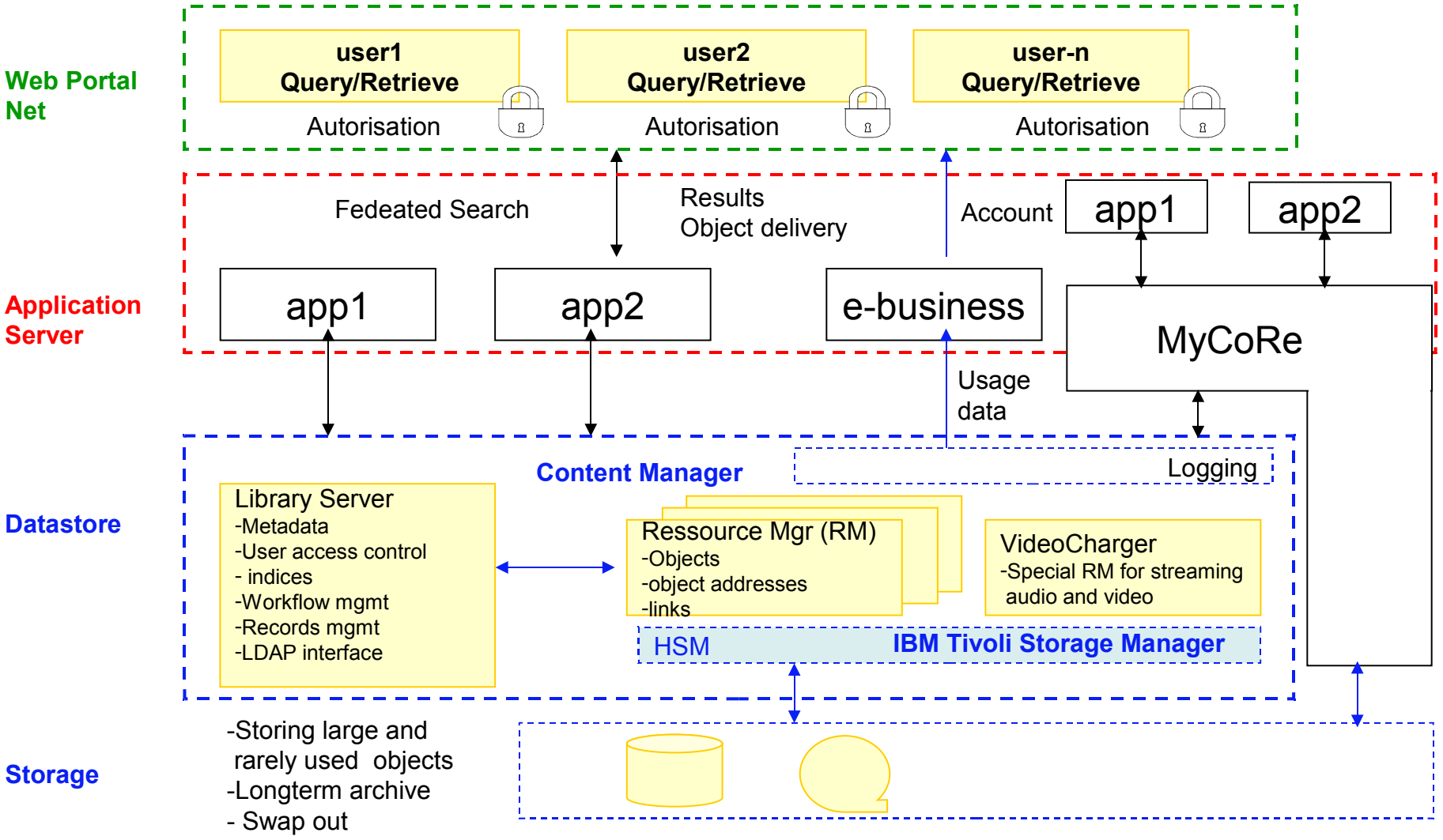
- University Press:
  - Hamburg
- Journal Publishing
  - Jena
- E-learning/video
  - Jena
  - Leipzig
  - Rostock

- Images
  - all
- Ancient collections
  - Freiburg
  - Greifswald
  - Hamburg
  - Jena
  - Leipzig
  - Rostock

MyCoRe Community and Other IBM DB 2 Content Manager Users



IBM DB2 Content Manager and MyCoRe



kopal: Co-operative Development of a Long-term Digital Information Archive

- Sponsored by BMBF (Bundesministerium für Bildung und Forschung)
- Type: Research and innovation project
- Financial Volume: 4,2 Mio €, duration: 1.7.2004 – 30.6.2007
- Goal: Developing a technical and organisational infrastructure to ensure long-term availability of electronic publications, which can be reused by other holdings
- Base: DIAS (Digital Information Archiving System), developed by IBM for the Koninklijke Bibliotheek, the National Library of the Netherlands
- Project partners
  - Die Deutsche Bibliothek (overall project lead)
  - Goettingen State and University Library
  - Gesellschaft für wissenschaftliche Datenverarbeitung
  - IBM Deutschland GmbH

OAIS Model

DIAS is based on the following functional requirements:

- Relevant business processes acc. to the OAIS model (=reference model for an „Open Archival Information System" - ISO 14721)
- OAIS as solution framework
- The DIAS kernel consists of 6 processes, dealing with **E**lectronic **P**ublications (EPs) in 3 standard formats:
  - Ingest Process
  - Archival Storage
  - Data Management
  - Access
  - Administration
  - Preservation

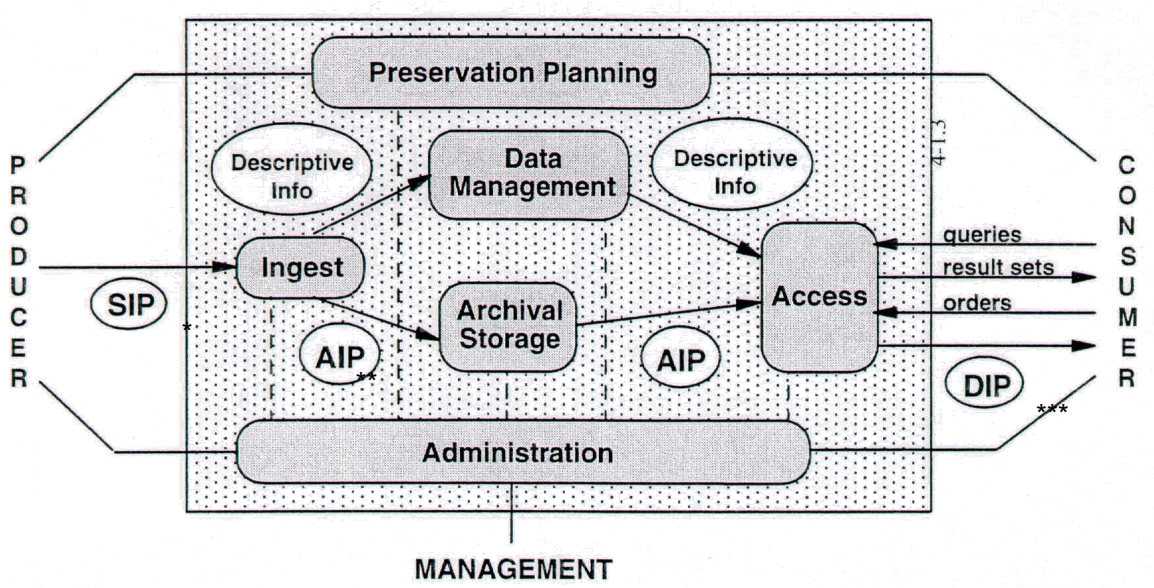
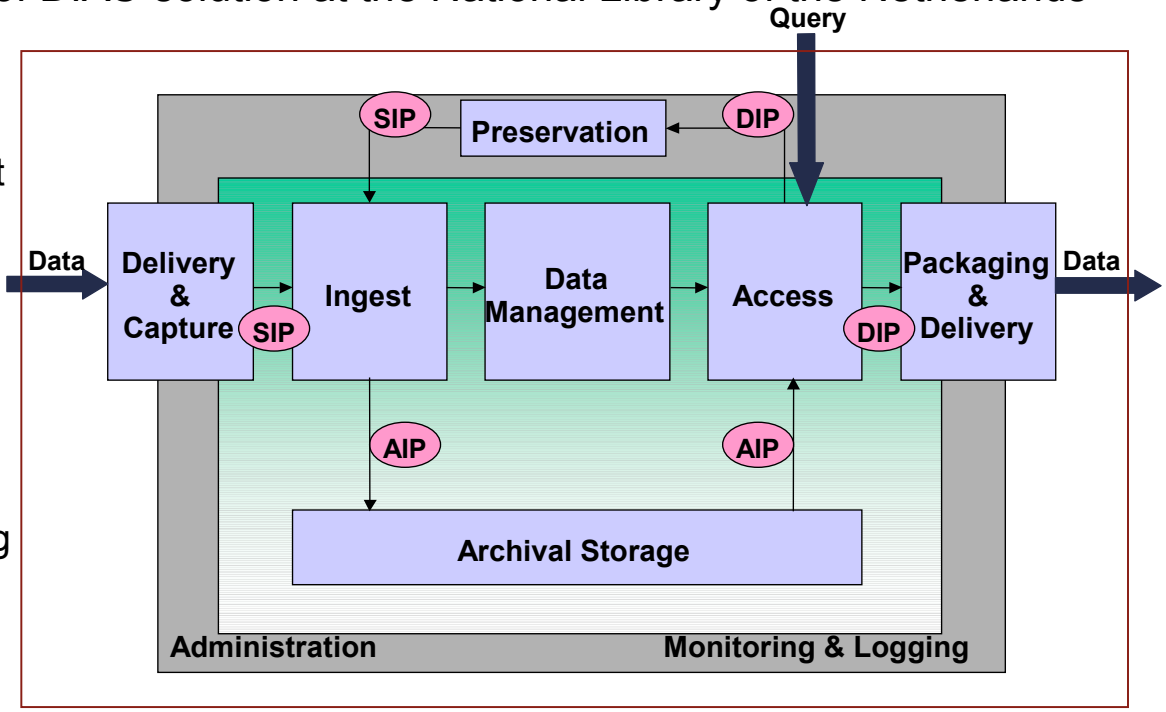


Figure 4-1: OAIS Functional Entities

* = SIP: Submission Information Package
** = AIP: Archival Information Package
*** = DIP: Dissemination Information Pachage

kopal

- DIAS Core as generic kernel of DIAS-solution at the National Library of the Netherlands
- DIAS Extension
  - Project start
    - Multi Organisation Support
    - Remote access
    - DIAS Upgrade to Content Manager 8
  - Project stages
    - Functionalities for Preservation Planning
    - METS (Metadata Encoding and Transmission Standard) Support

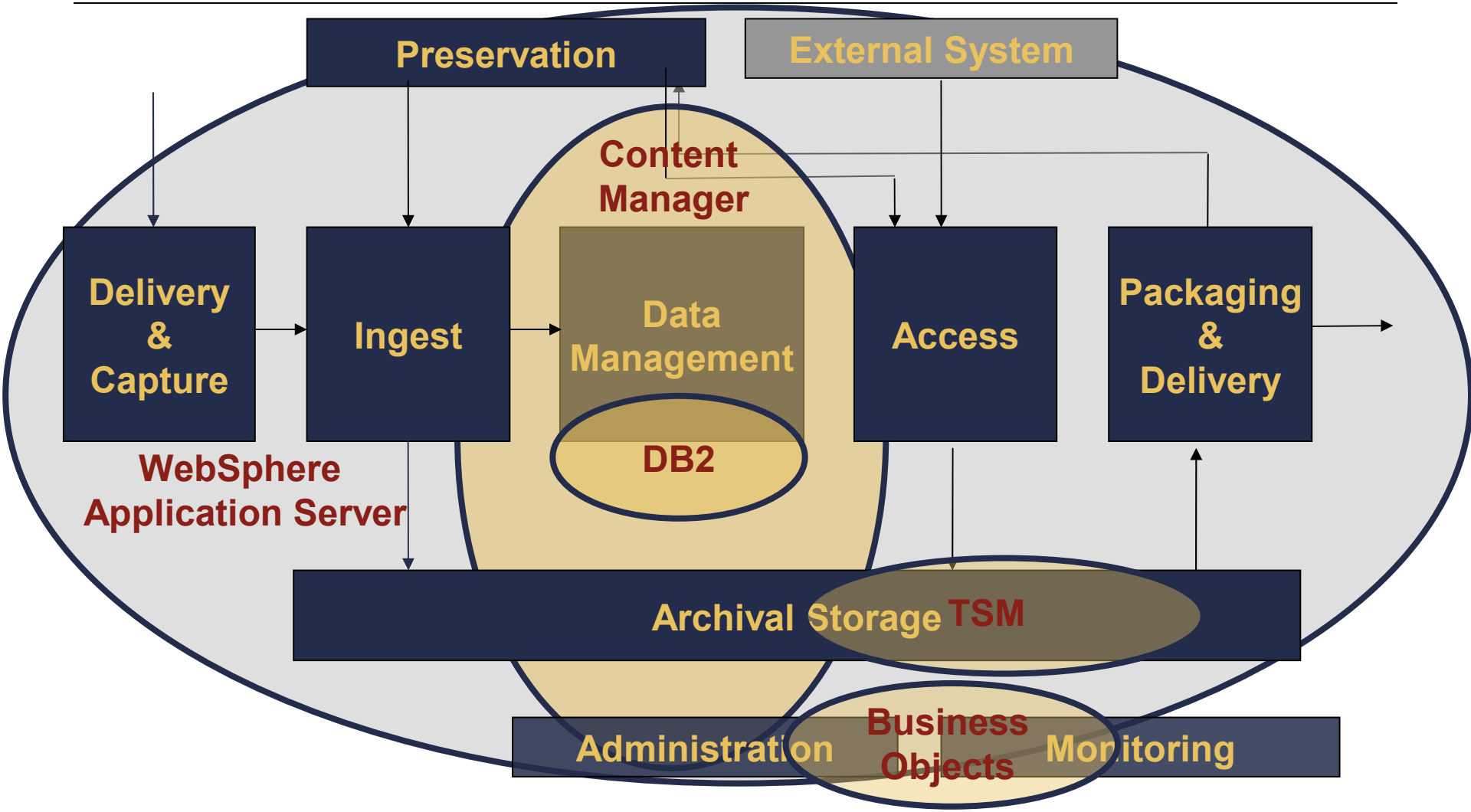


source: NEDLIB

- Open-Source Framework: Development of tools and modules to integrate DIAS both technically and functionally into specific applications, such as
  - Module for data import (batch-builder for various data formats from publishers)
  - Catalogue integrations
  - Access modi for archived electronic publications other than text

* = SIP: Submission Information Package
** = AIP: Archival Information Package
*** = DIP: Dissemination Information Package

DIAS Solution Concept – Use of Standard Software



kopal Project Goals

- Long-term archiving of German cultural heritage (>100 years)
- Development of standardised solution
  - Re-usable transfer to other institutions
  - Simplified cooperation between libraries
- Extension of the IBM asset DIAS-Core by open-source based components
  - Flexible use through solution modularity
- Setting up an extended User Group (KB, DDB, SUB) for a cooperative development of the solution
  - Reduced cost
  - Faster enhancements over time
  - Higher degree of standardisation
- Process integration, i.e. automation of ingest routines, optimisation of batch processes