One System to rule them all - an epic journey to manage our collections

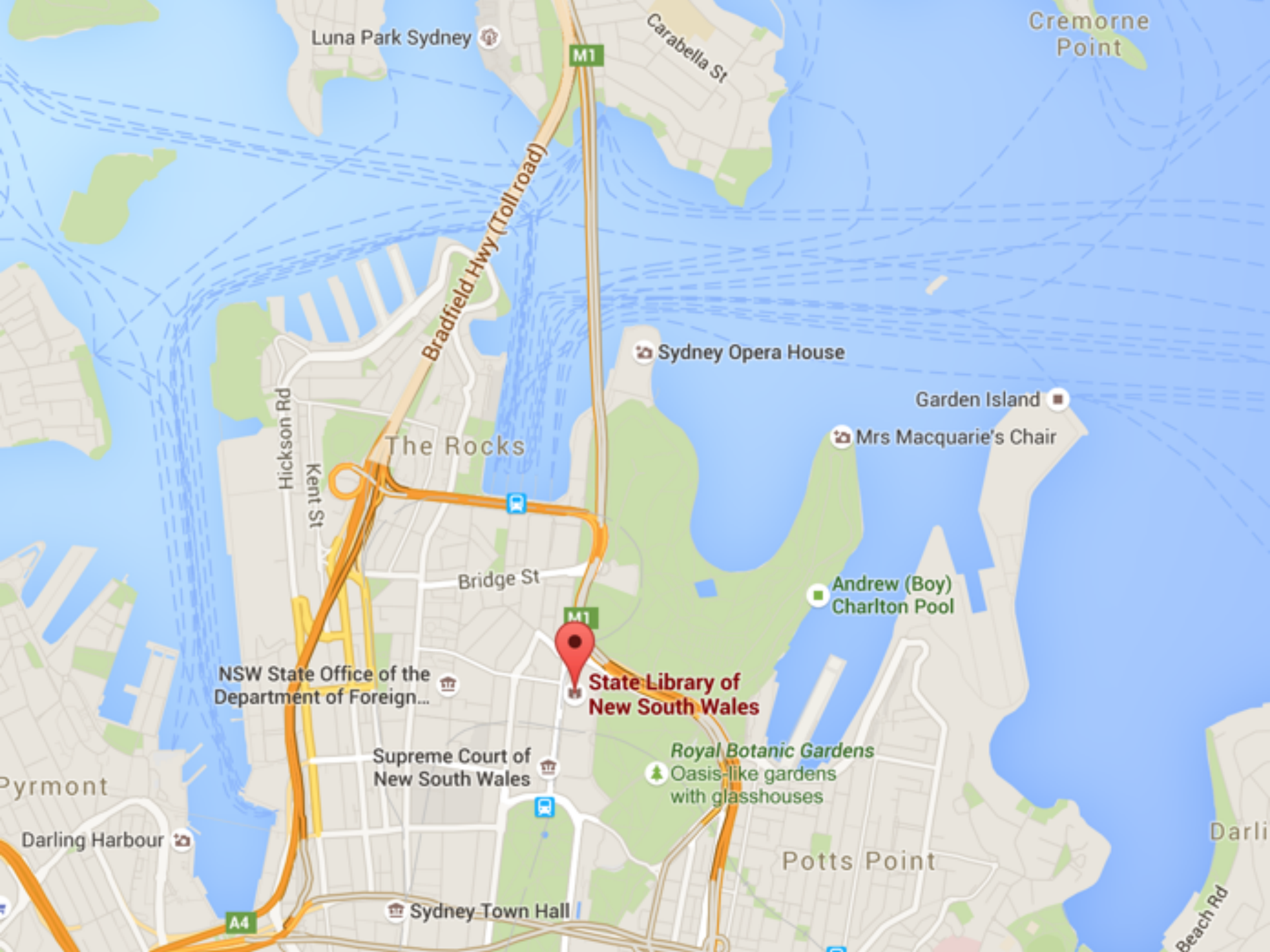**Lynne Billington**

Manager, Data Quality, Systems and Standards

Euwe Ermita

Systems and Applications Leader

World leading library:
Collect
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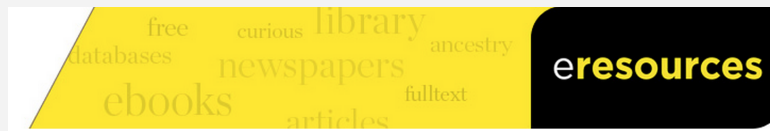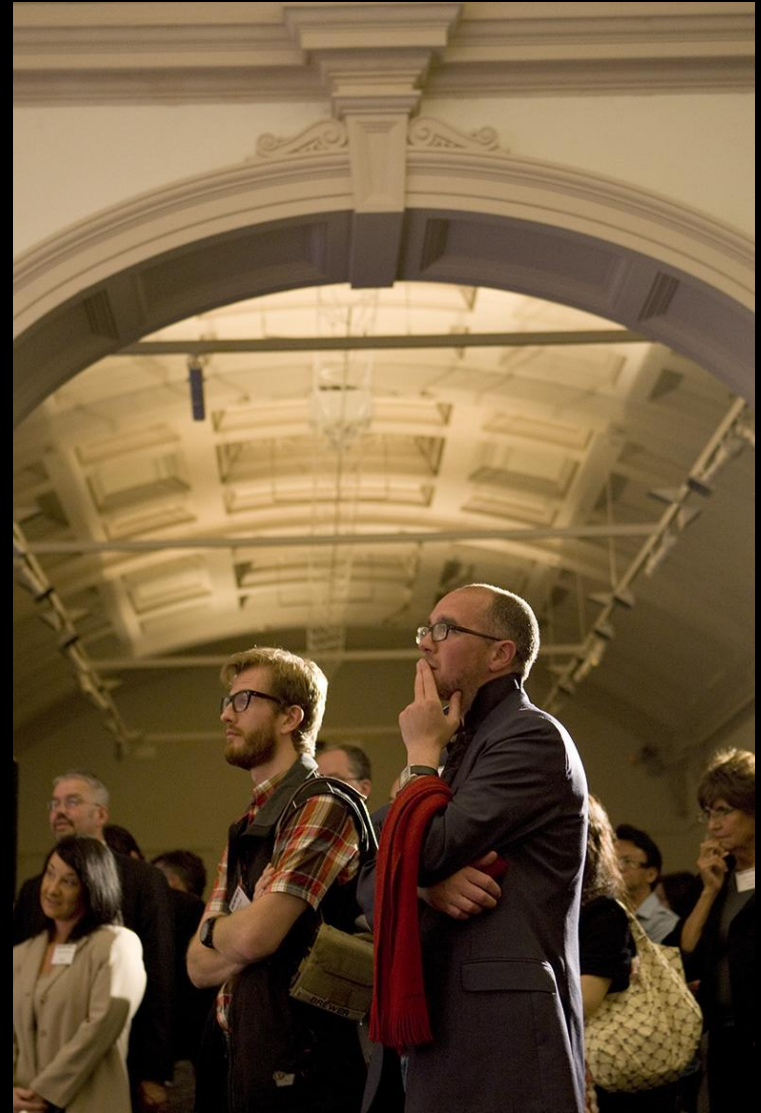
State Library of NSW

New South Wales cultural institution

- Oldest library in Australia

- Collection valued at $AU 3.15 billion

- Home of important collection items such as

  First Fleet diaries, papers of Sir Joseph Banks,

  Matthew Flinders and P.L. Travers, oldest

  Australian photograph, WWI diaries,

Mitchell Wing
State Library of New South Wales

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Archival Collections

Over 10,000 linear metres of manuscripts

- Over 16,000 pieces of realia - swords, coins, locks of hair, architectural models, convict shackles, taxidermy

- 2354 paintings

- **Hierarchical arrangement** as per international standards ("respect des fonds")

Matthew Flinders, ca. 1800 - watercolour miniature portrait
State Library of New South Wales

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Beginning of Journey

Workforce

Title   Woman fabric worker stitching linen onto aircraft wings
Creator Hood, Ted, 1911-2000

Staffing Review and Change

- Library-wide reviews of structure
- New divisions formed 2014: LIS/DXD
  - Library and Information Services (LIS) Collection Management Function -> Function-based
  - Digital Experience Division (DXD) -> Service-based
- Business and System owners

Current Systems

ACMS & DAM: Bespoke

Archival Search: Funnelback

ILS: Millennium

eResources: 360 Search

Workflow: Team Track

Digital Excellence Program

- $48.6 million in State funding over 5 years
- 2 streams of work
    - Digitisation program
        - Mass digitisation of cultural material
    - Digital infrastructure
        - Infrastructure upgrades
        - Library Systems Integration Project

The Solution

Ex Libris partners with Axiell

Aviators & DH60 biplane
Hood Collection, State Library of New South Wales

Integrated Collection Management System

Unpublished Collections Management

Published Collections Management

Preservation and Digital Asset Management

Resource Discovery

Integration

Workflow

API

Batch/Bulk

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Integrated Collection Management System

Integrated Collections Management System

AdLib
Hierarchical archival collections and findings aids management, circulation, tracking and display for both digital and physical objects

Deposit and publishing

Ex Libris Rosetta

- Digital Asset Management
- Ingestion
- Deposit
- Digital Preservation
- Digital Legal Deposits

Stage 1

Integrated Collections Management System

AdLib
Hierarchical archival collections and findings aids management, circulation, tracking and display for both digital and physical objects

MD Synch, updates
MD and item notes

Publishing

Deposit and publishing

MD Synch

Ex Libris Alma

- Collection Management
  Print and Electronic resource management
- Resource sharing
- Authority control
- Serials management
- Fulfillment

Ex Libris Rosetta

- Digital Asset Management
- Ingestion
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Publishing

Publishing

Ex Libris Primo
Discovery, End user search and content delivery

Integrated Collections Management System

AdLib
Hierarchical archival collections and findings aids management, circulation, tracking and display for both digital and physical objects
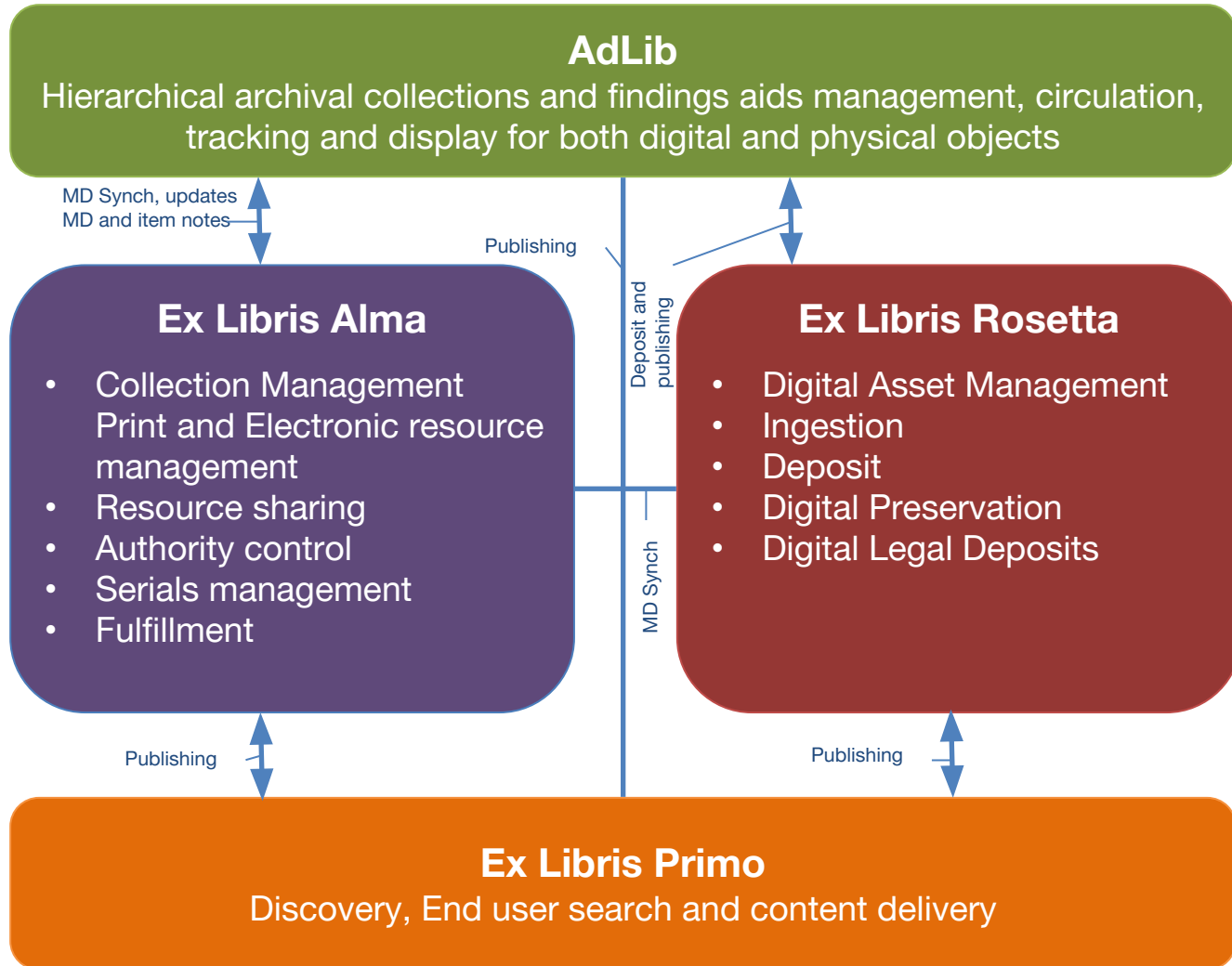
MD Synch, updates
MD and item notes

APIs, Web Services, MD Synch

Publishing

Deposit and publishing

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- Collection Management
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Publishing

Publishing

APIs, Web Services, MD Synch

Ex Libris Primo
Discovery, End user search and content delivery

Corporate Systems

- HR
- Email
- EDRMS
- LDAP
- Finance

Adlib Architecture

Adlib Internet Server V5.0

Adlib API server

Adlib Application server V4.5

Adlib Database server

Adlib Architecture

Adlib Internet Server V5.0

Adlib API server

Rosetta: Integration points

Adlib Application server V4.5

Adlib Database server
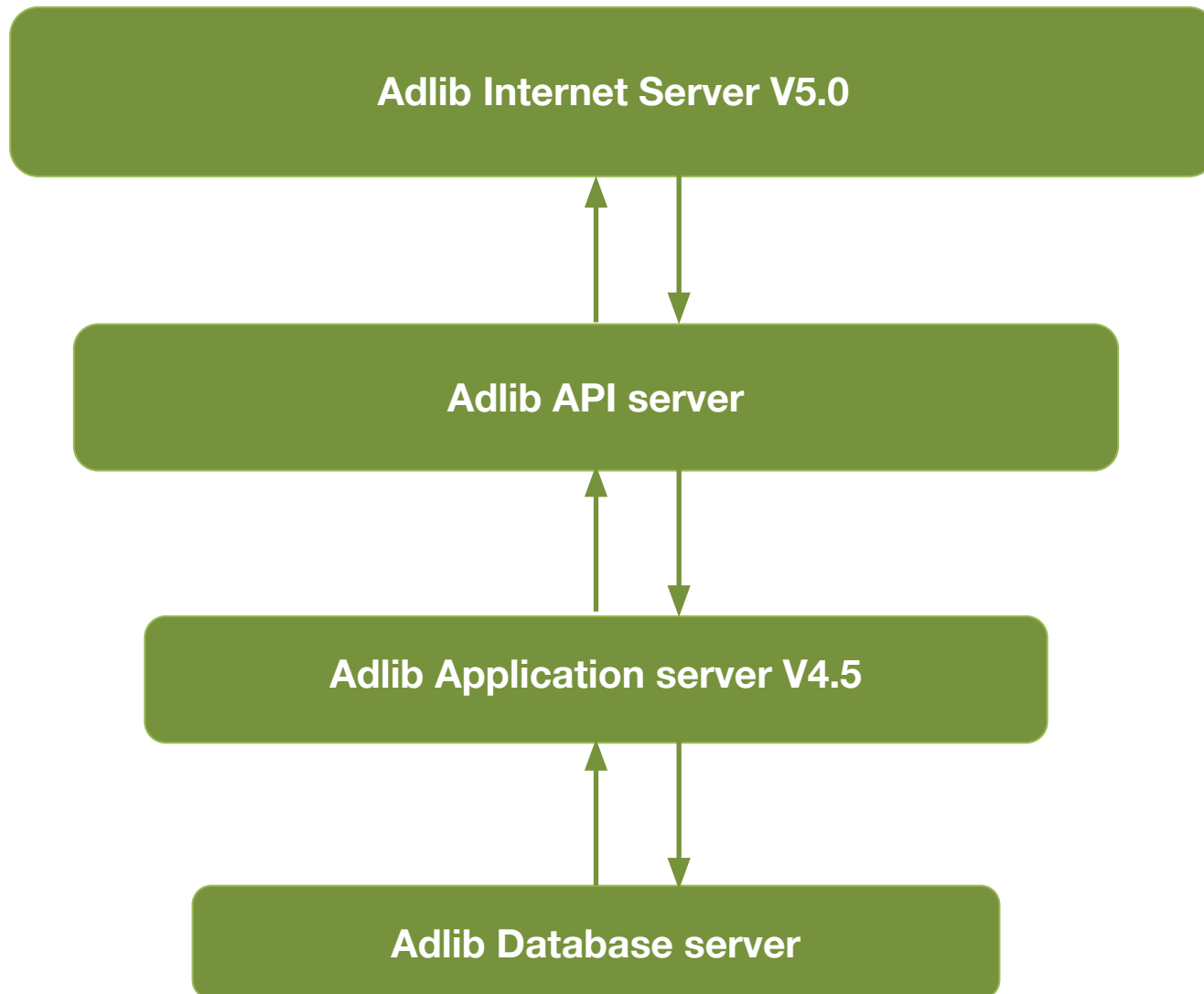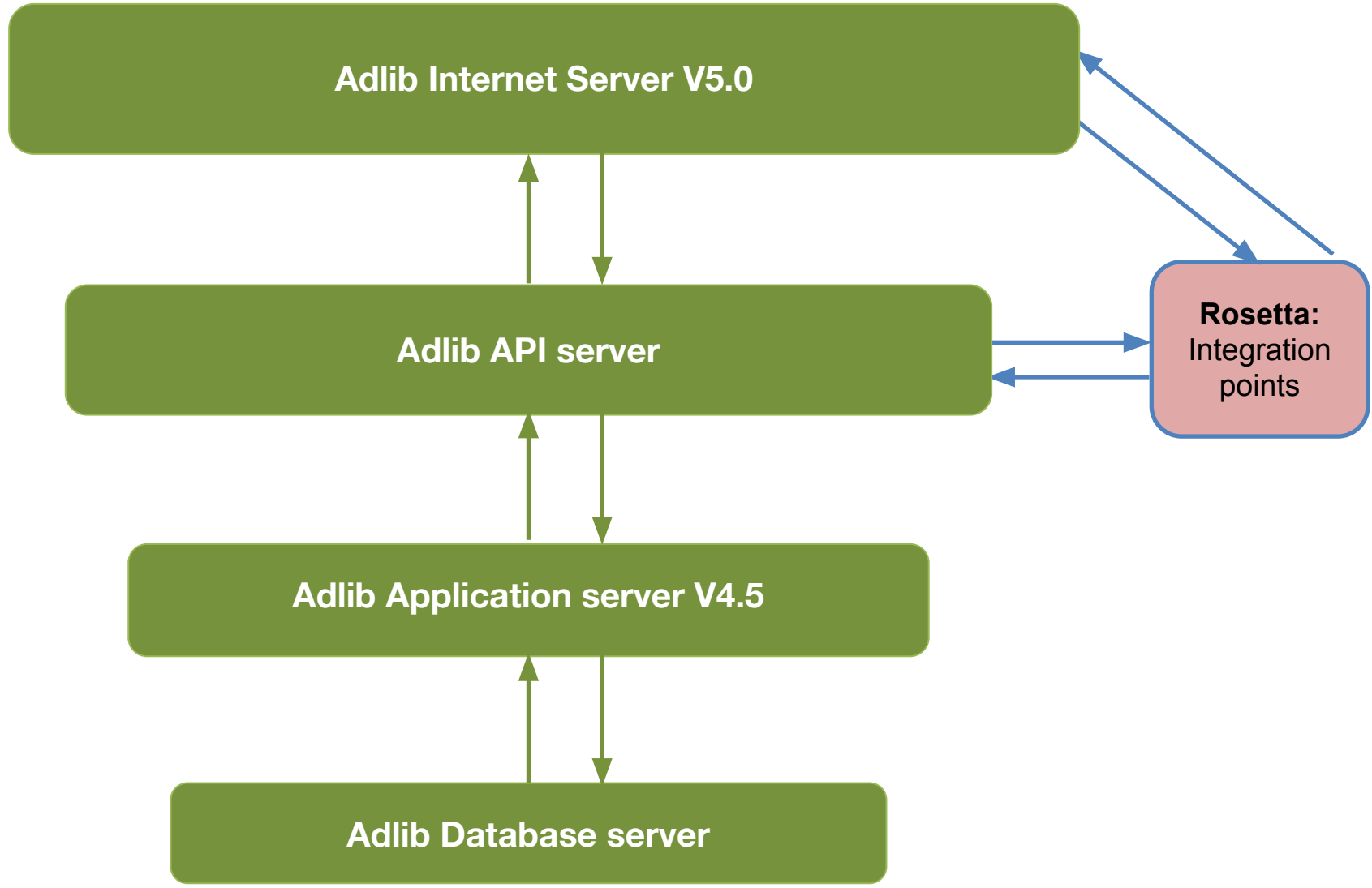
Rosetta Architecture

Rosetta Architecture
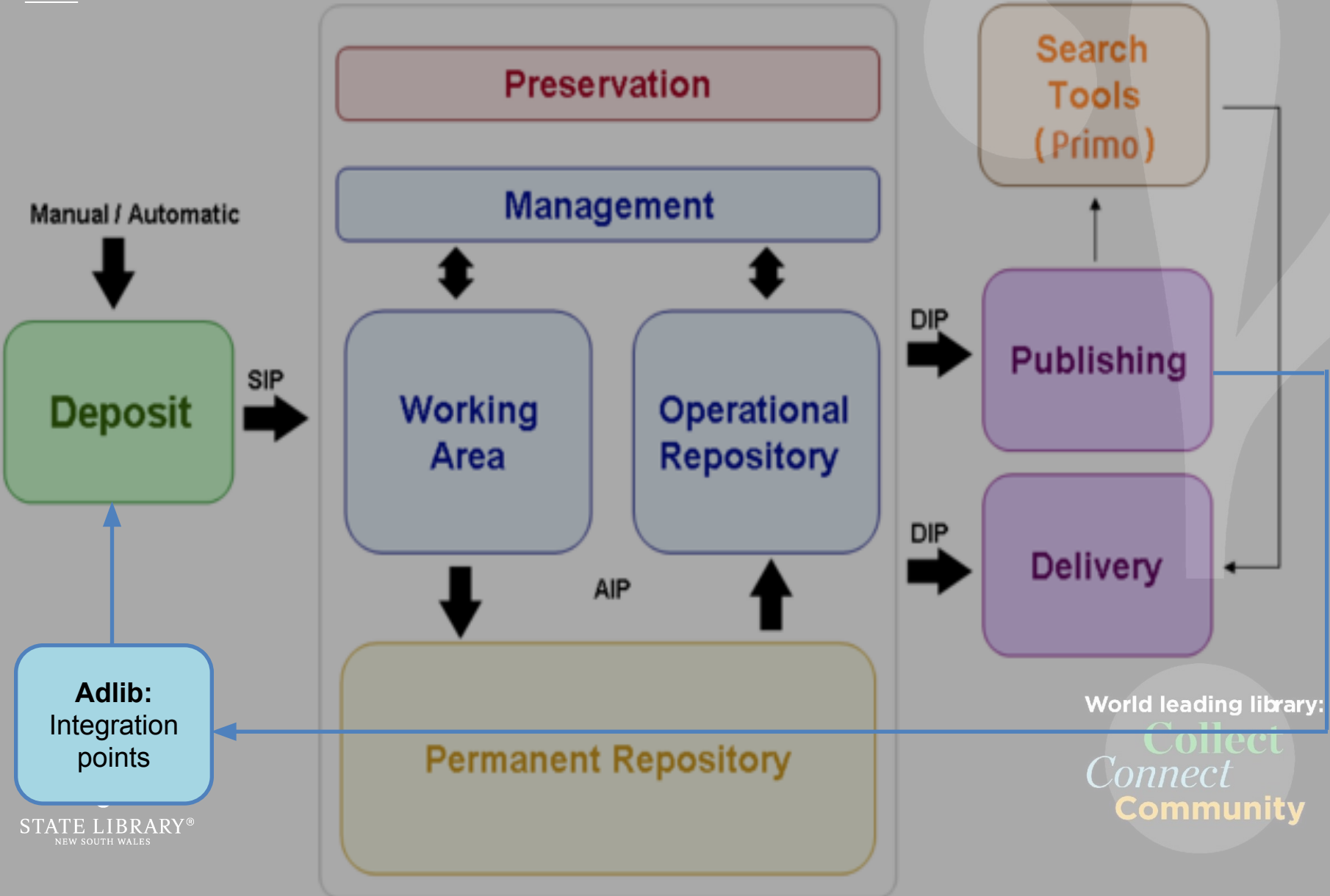
Archival Collections: Integrated Workflow

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┌─────────────┐     ┌─────────────┐     ┌─────────────┐     ┌─────────────┐
│ Adlib:      │ ──▶ │ Adlib:      │ ──▶ │ Adlib ->    │ ──▶ │ Rosetta:    │
│ Archival    │     │ Attach      │     │ Rosetta:    │     │ Validate &  │
│ Record      │     │ Digital     │     │ Deposit to  │     │ Ingest      │
│             │     │ Object(s)   │     │ Rosetta     │     │             │
└─────────────┘     └─────────────┘     └─────────────┘     └─────────────┘

┌─────────────┐     ┌─────────────┐     ┌─────────────┐
│ Rosetta:    │ ──▶ │ Rosetta ->  │ ──▶ │ Adlib ->    │
│ Move to     │     │ Adlib:      │     │ Primo:      │
│ Preservation│     │ Update Adlib│     │ Publish to  │
│             │     │ with        │     │ Primo       │
│             │     │ Identifier  │     │             │
└─────────────┘     └─────────────┘     └─────────────┘

┌─────────────┐                         ┌─────────────┐
│ Alma ->     │                         │ Primo:      │
│ Adlib:      │                         │ Harvest     │
│ Purchase    │                         │ Adlib &     │
│ Order       │                         │ Update      │
│             │                         │ Indexes     │
└─────────────┘                         └─────────────┘
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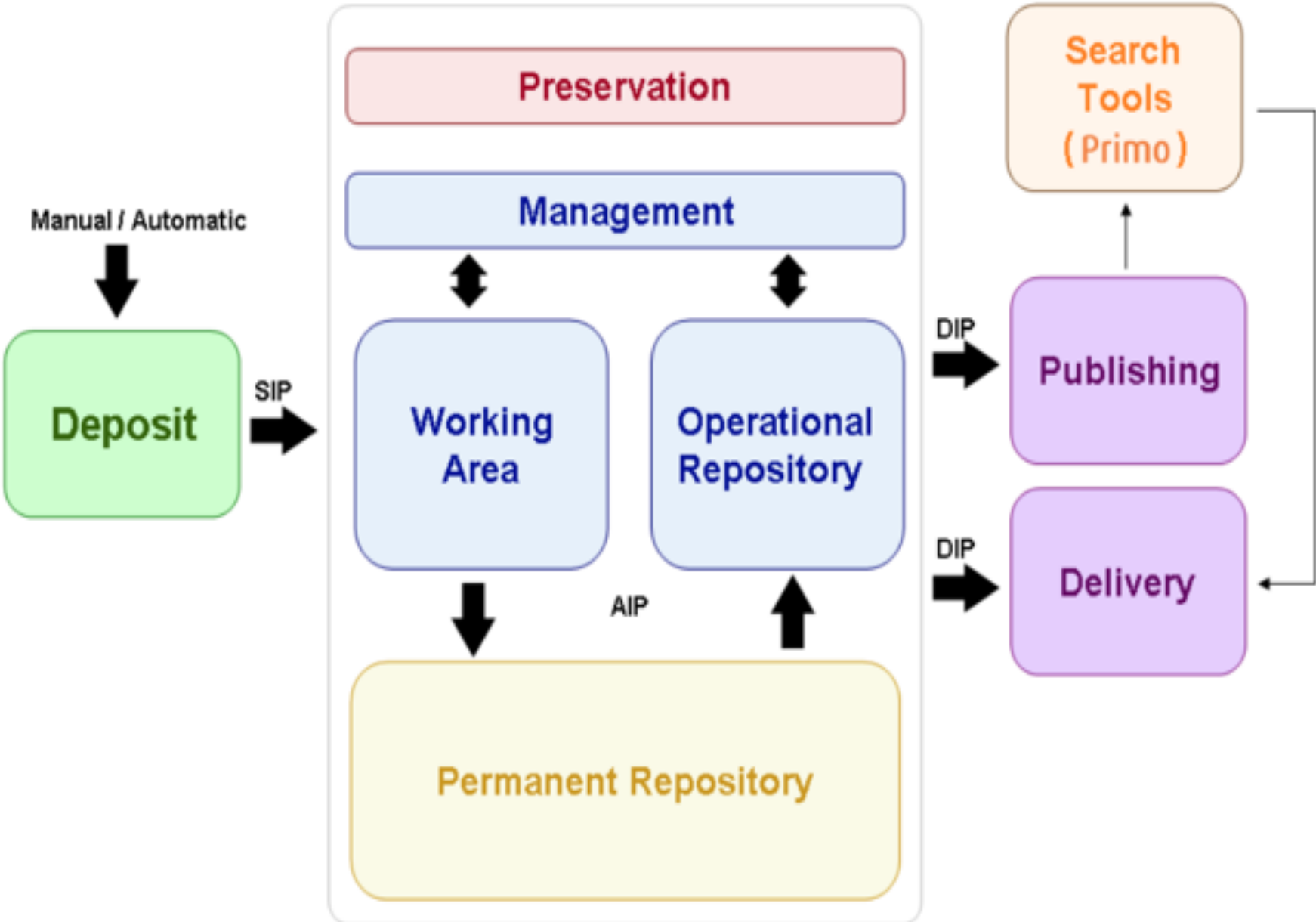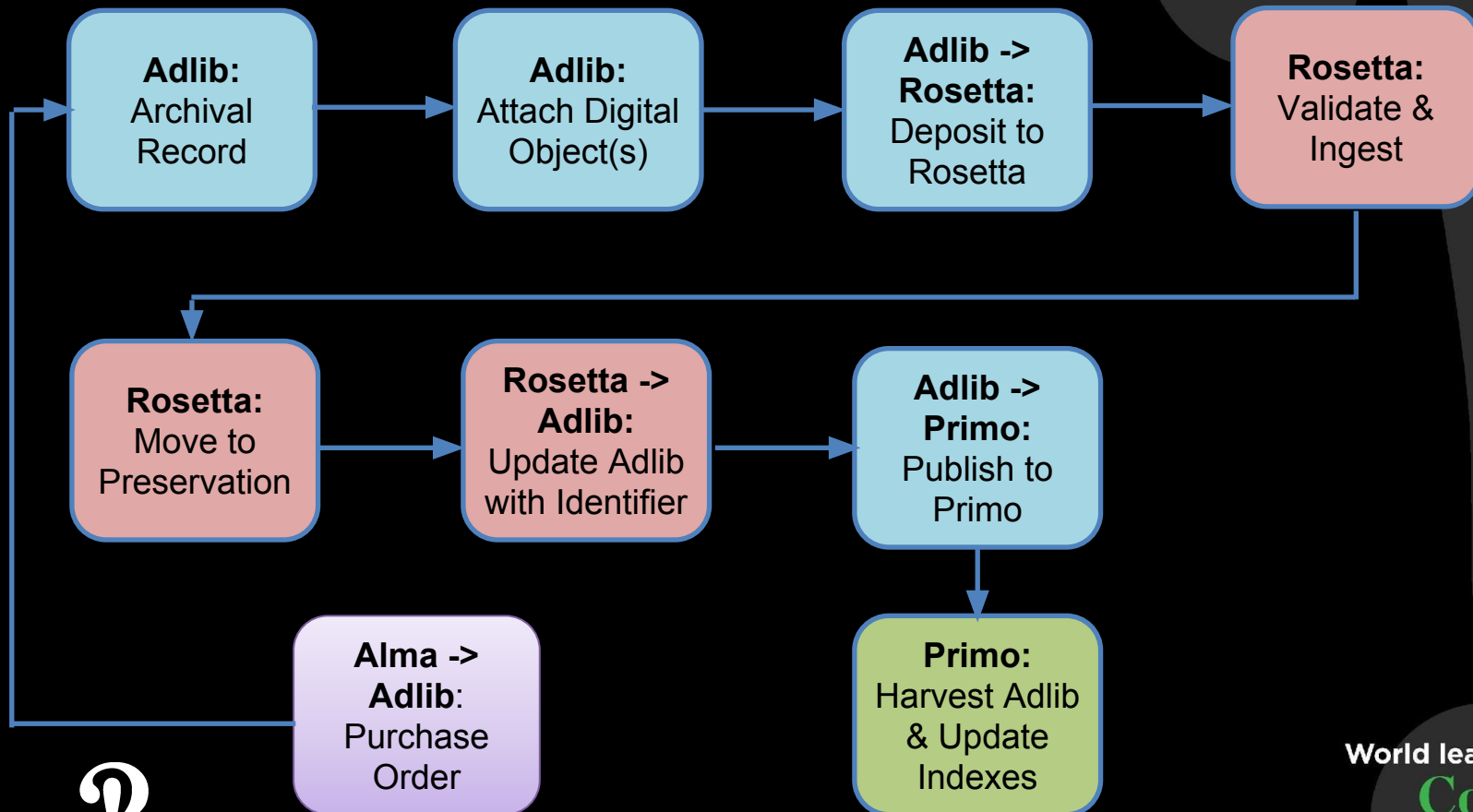
ICMS Data Integration Points

Primo

AdLib

Rosetta

Alma

Publishing of digital items

Links to view digital items including special viewers etc.

Publishing of archival items

Links to view archival items (including hierarchy etc.)

Deposit of digital archival material

Harvesting using OAI-PMH to get deep links

Get BIB according to barcode or POL ID

Remote digital integration – objects are catalogued in Alma but stored in Rosetta

Publishing of electronic and physical items

Update 035 with AdLib number and 856 with link

Update notes for example: item has been removed etc.

Harvest Alma using OAI-PMH

Challenges & Lessons

- Data migration:
  - Estimation: extract, transform, load

- Technical integration and workflows
  - Infrastructure, architecture

- Staffing / resourcing:
  - Project and business-as-usual

- Organisational change management:
  - Business process: new and updated
  - Training and knowledge management
  - Ongoing project communication

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Future plans

- Stage 1 Go-live: Late 2015

  Adlib & Rosetta

- Stage 2 Go-live: Early 2016

  Alma & Primo + stage 1 integration

- Rosetta as a Digital Asset

  Management System

- Identity and Access Management

  across all sites

- User experience: Delivery and

  viewers

Questions?

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