

Rosetta Product Update

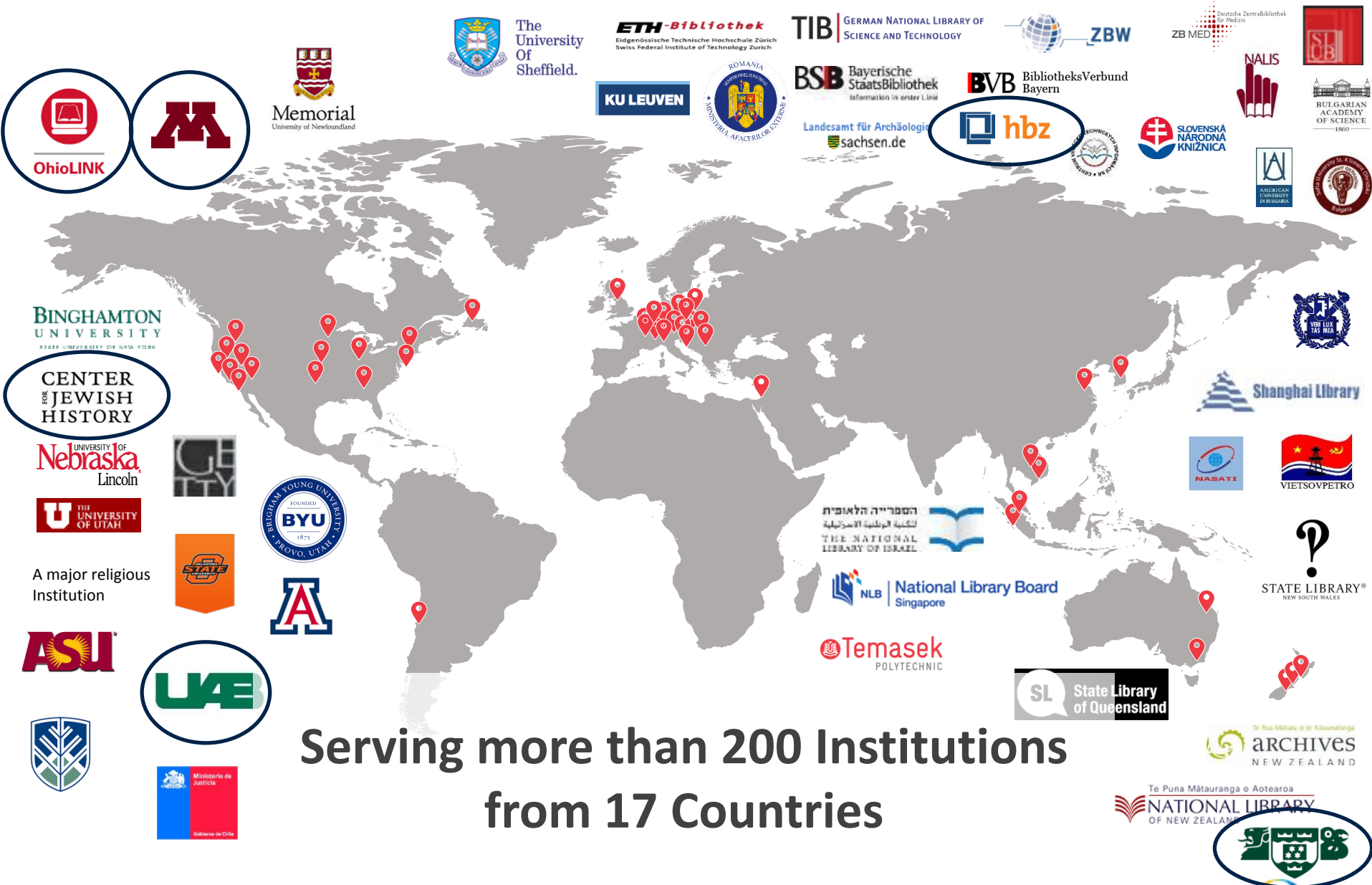
IGeLU, September 2016

Adi Alter | Rosetta Product Manager

An aerial photograph of a city, likely Oslo, Norway, showing a mix of historic and modern architecture, green spaces, and a body of water in the background under a blue sky with wispy clouds. A large, semi-transparent red rectangle is overlaid on the lower half of the image, serving as a background for the title text.

Status Update

Growing Number of Institutions Across all Regions



Serving more than 200 Institutions
from 17 Countries

Installed Base Covering Various Institution Types

National Libraries & Institutions



State Libraries



STATE LIBRARY®
NEW SOUTH WALES



OhioLINK

Academic Institutions



Archives, Governmental, Public Libraries & Cultural Heritage



CENTER
FOR JEWISH
HISTORY



Main Focus Areas Since Last IGeLU



**Enhance Core
Functionalities**



**Increase Synergy
with other Ex
Libris Products**



**Streamline the
Implementation
Process**

Enhance Core Functionalities



Digital Asset Management



Content
Delivery



Data
Management



Collection
Management



Preservation



Community-driven
Knowledge Base



Content
Migration



Preservation
Standards
Support



Research Data



Integration
with Research
Systems



Deposit Tools



Sharing and
Publishing



Infrastructure



User
Experience



Security



Performance &
Scalability

Versions 5.0 Highlights – December 2015



Infrastructure

Support for
Oracle 12c and
Red Hat 7

Upgrade to Java
8, BIRT 4.5,
jQuery 2.1.4,
Solr 5.2.1,
Tomcat 7.0.65

Enhanced
Security

Performance
Improvements



DAM

Two-way Metadata
Synchronization
over OAI-PMH

Publish Digital
Collections to Primo

Mobile Support for
Delivery

Improved Collection
Management

CSV Deposit
Enhancements

Delivery Caching
Support



Preservation

Format Identification
Auto Correction
Rules

Index Technical
Analyst Rules Events

Preservation Plan
Format ID Validation

Droid 1.6



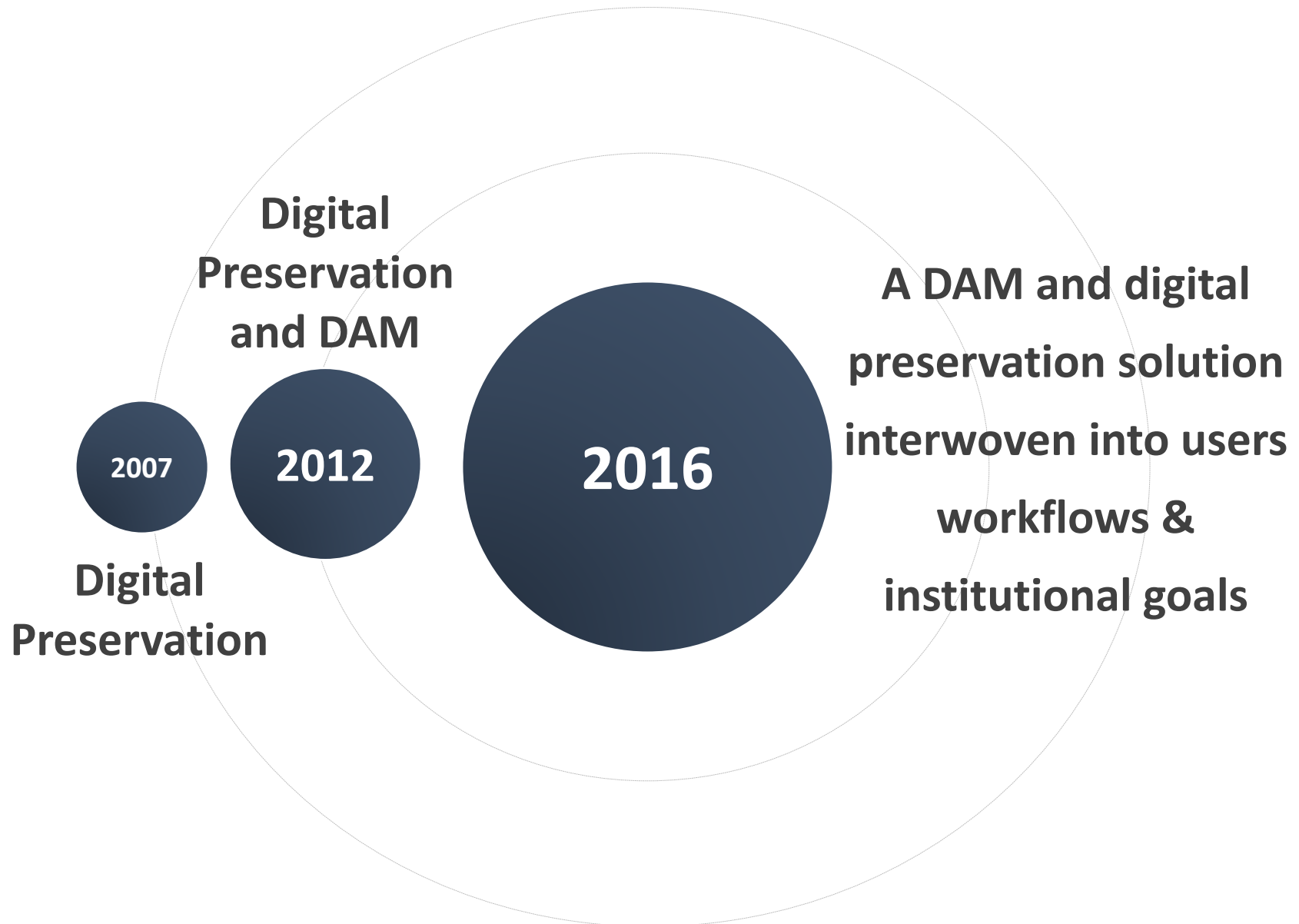
Research Data

CRUD Access Rights
and Virtual Reading
Room APIs

Scheduled
Sending of Reports

Google Scholar
Integration

Rosetta – from a Point Solution to an Integrated Solution



Main Focus Areas Since Last IGeLU



**Enhance Core
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**Streamline the
Implementation
Process**

The Power of the Best of Class Suite Approach

**Market leading
Discovery Solutions**

**Fully integrated with
Rosetta – Digital
collection browsing**

**Primo &
Summon**

Alma

**Market Leading
Library Management
Solution**

**Fully integrated with
Primo, Summon and
Rosetta**

Rosetta

**Market Leading DAM and
Preservation Solution**

**Integrated workflows with
Alma and Primo**

Two-way Metadata Synchronization

**Manage Digital
Objects Metadata
in Alma using the
familiar Alma UI**

**Seamlessly Preserve
Objects' Data and
Metadata in Rosetta**



**Automatic Metadata
Synchronization**

Discover Digital Collections via Primo



Manage Digital Collections in Alma or Rosetta



Discover and Easily Navigate through Collections in Primo

ExLibris Rosetta Management

User: John Smith Institution: Demo Institution

Home Producers Submissions **Data Management** Preservation

Home > Data Management > Collection Management > Collections Management

Collection Name	Collection ID	Collection Description	Created by
Van Gogh Paintings	11761881		AssignCollectionByDCTask (DC source: 'Selected paintings of the famous painter Van Gogh')
Modification Date	10/6/15	Creation Date	11/11/13
External System	-	Publish	Yes
Allow Navigation	Yes	External Id	-

Contents Metadata

1 - 16 of 16 Records

< Back

Primo

Harvard Theses and dissertations
A collection of Harvard theses and dissertations.
View collection

Van Gogh Digitized Paintings
A collection of Van Gogh Digitized Paintings.
View collection

Washington State University Research Exchange
Research Exchange is the website.
View collection

ILO - a collection of ILO publications
The International Labour Organization.
View collection

Van Gogh
View collection

Digital Items
View collection

European Libraries
View collection

History Collection
View collection

Art Collection
A collection of art of all types.
View collection

Foods of Taiwan as seen by tourists
A collection of images taken by tourists.
View collection

Main Focus Areas Since Last IGeLU



Enhance Core
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Increase Synergy
with other Ex
Libris Products



Streamline the
Implementation
Process

Digital isn't Easy

- Digital workflows are challenging to implement
 - Lots of moving pieces
 - Migration, ongoing ingest flows
 - More IT and development involvement
 - Connectors, storage, throughput, infrastructure are consistent pieces of the puzzle
 - New file formats, delivery and access technologies
- ... and more

Preparing for the Unknown

**Multiple
formats**

**Multiple
metadata
standards**

**Multiple
metadata
extractors**

**Multiple
format
identifiers**

**Multiple virus
scanners**

**Multiple
publisher types**

**Multiple
viewers**

**Multiple
storage
providers**

**Multiple access
rights policies**

**Multiple report
types**

**Multiple
collection types**

**Multiple data
types**

**Multiple
institution
types**

Multiple ILSs

**Multiple
discovery
systems**

**Multiple
migration rules**

**Multiple
browsers**

Multiple users

**Multiple user
types**

**Multiple
processes**

**Multiple
representations**

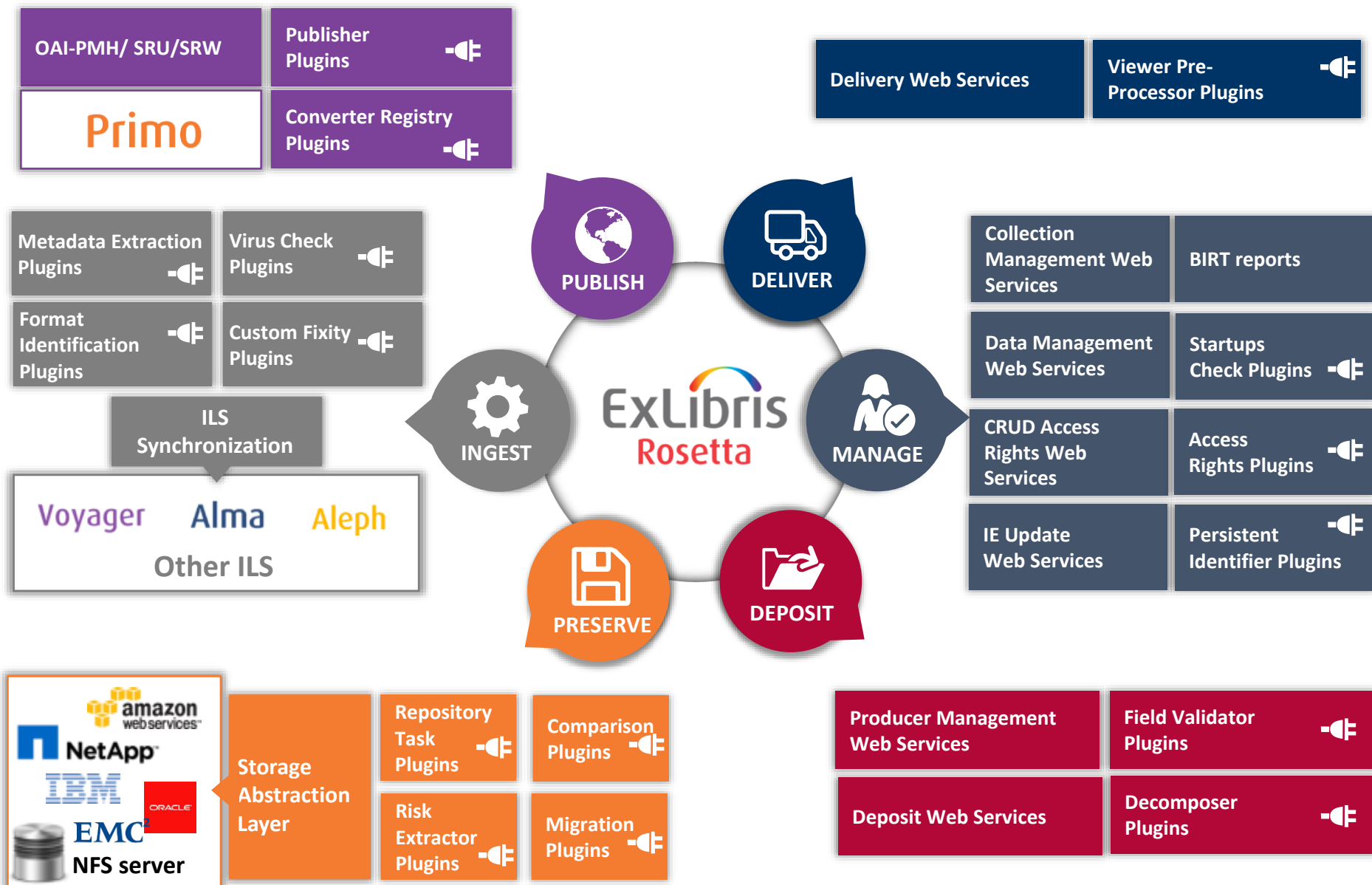
**Multiple
material flows**

**Multiple
delivery rules**

**Multiple
migration plans**

Multiple risks

Open, Extendable and Integrative



Streamline the Implementation Process



Newly-formed dedicated implementation team



Revised all implementation processes and deliverables

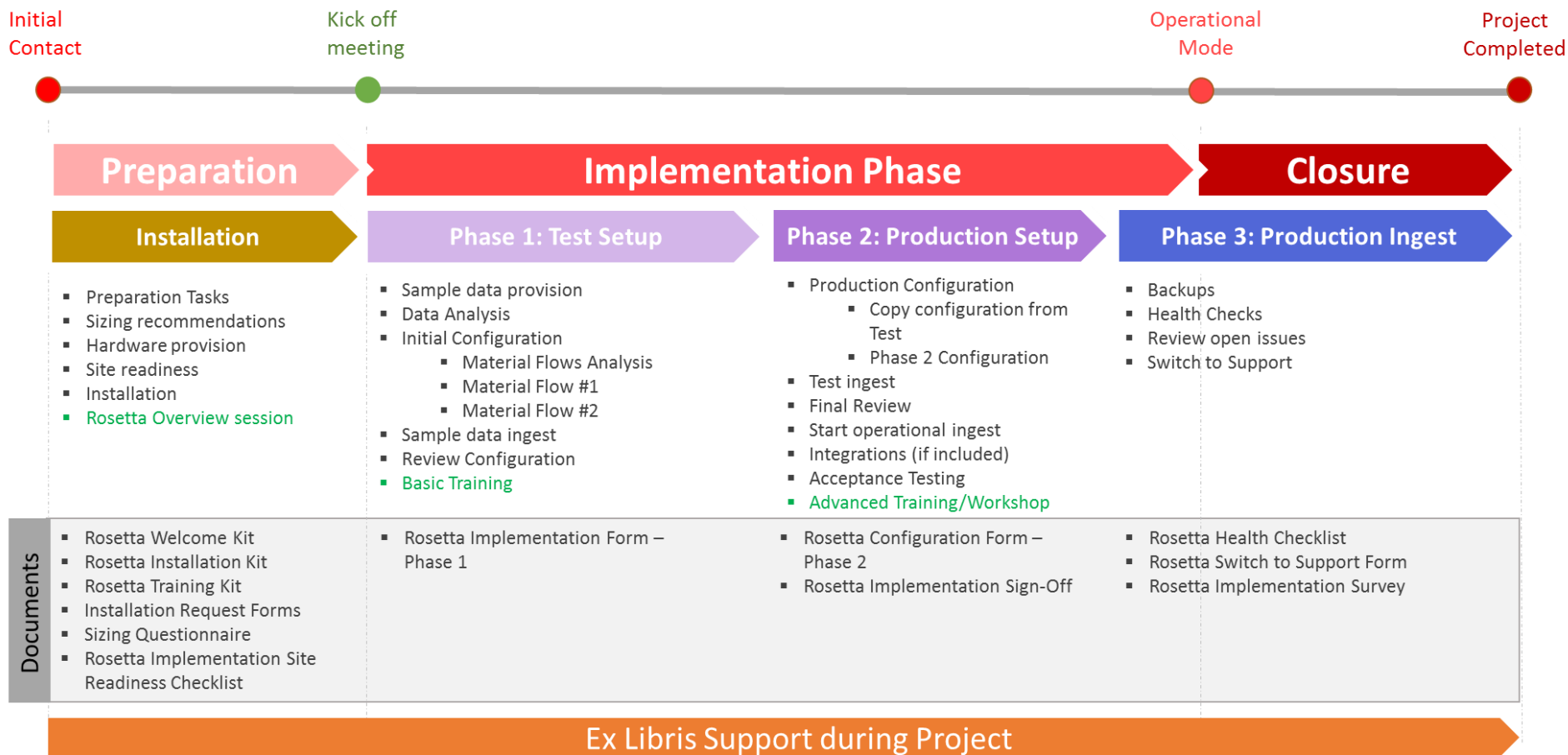


New recorded training materials

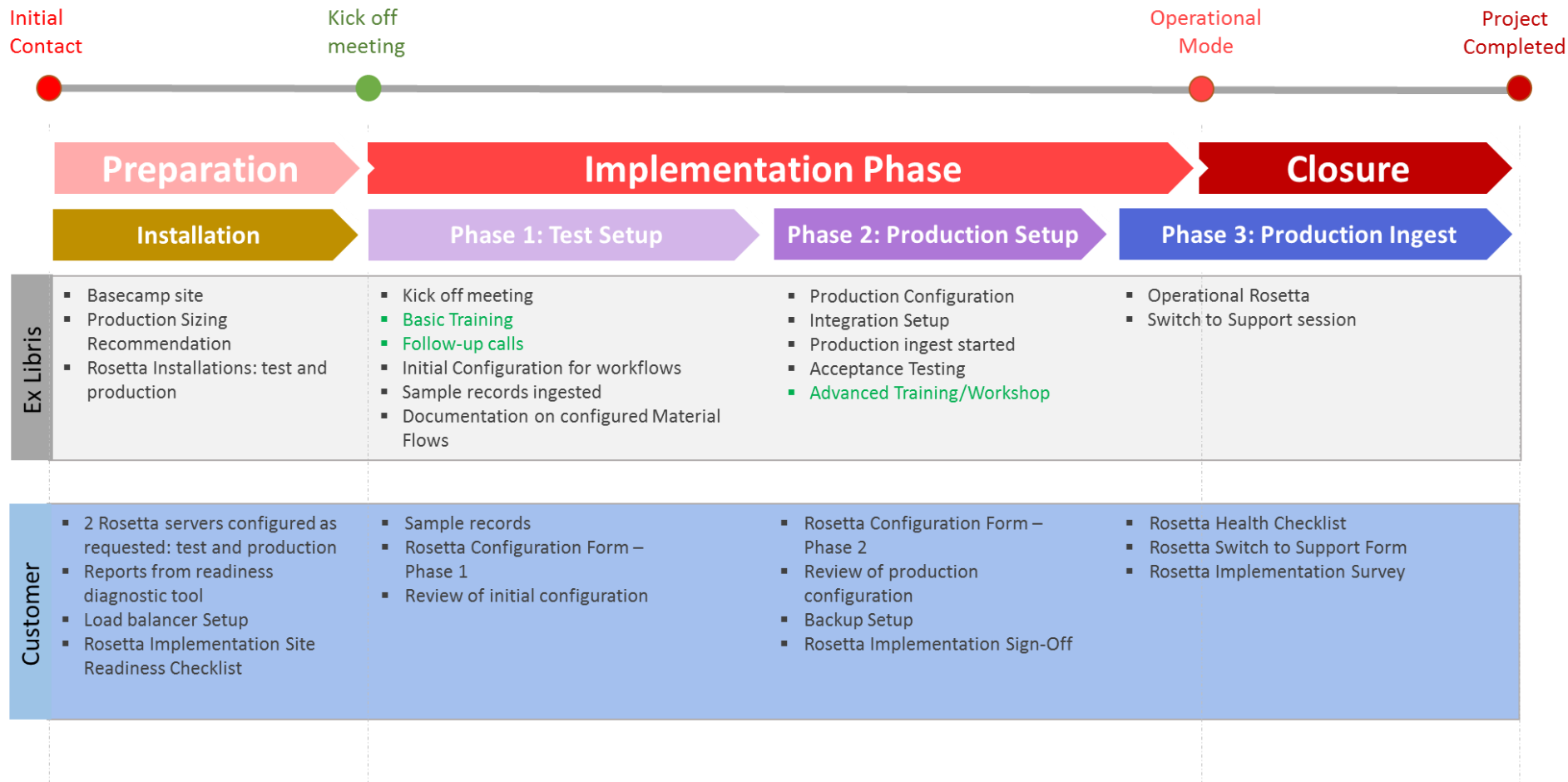


Developments supporting implementation needs

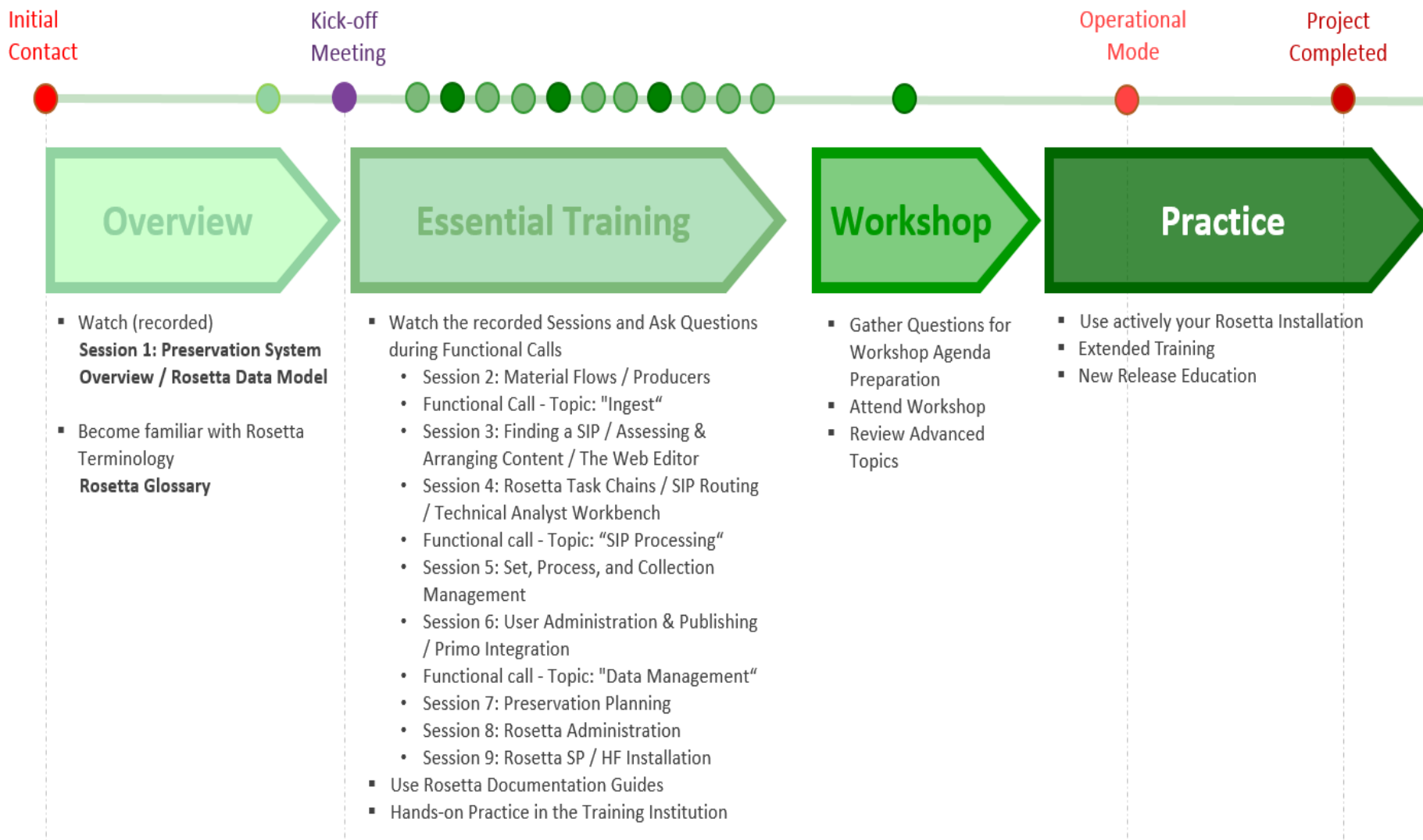
Rosetta Implementation Flow



Rosetta Project Deliverables



Rosetta Training Flow



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Libris Products



Streamline the
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Rosetta 7th Advisory Group Meeting

**Rosetta and the
Emerging Trends and Challenges
in Digital Preservation**
June 7-8, NYU, New York
50 participants from 28 institutions

Stay tuned for the next RAG meeting!

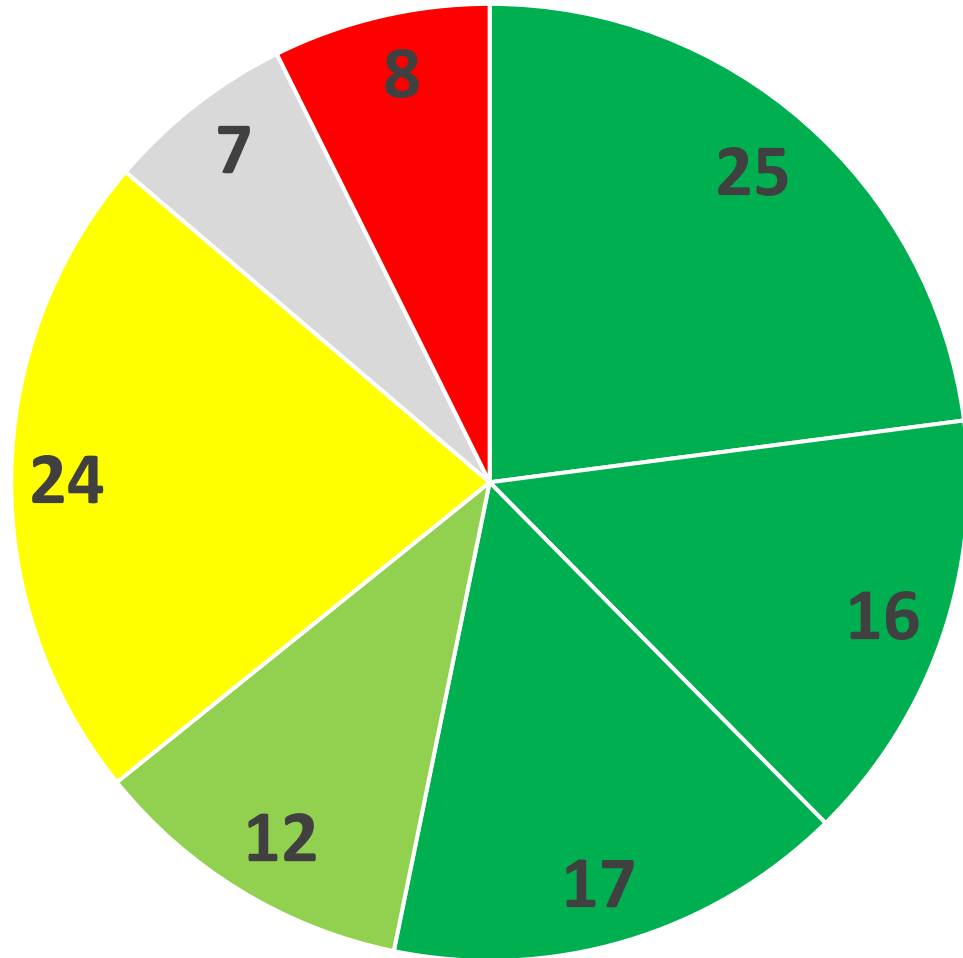


Rosetta User Group Working Groups



Rosetta User Group Working Groups Enhancements

- Implemented - V 4.X
- Implemented - V 5.0.X
- Implemented - V 5.1
- Planned - Future Versions
- Pending
- Obsolete
- Deferred



Total: 109

Implemented (including v5.1): 58 (53%)



Roadmap Overview

Rosetta Roadmap Schedule

Version 5.0



Version 5.1



Version 5.2



Version 6.0



SP 5.0.1
April 2016

SP 5.2.1
April 2017



New UI introduced throughout the system



🏠 / Preservation: Applications

List of Applications

Find: in:

1 - 10 of 297 Applications >

	Associated/Disassociated	Name ▾	Description	Version		
1	Disassociated	ExL-App-41	w6H25R6WdescSuffix1vPJ9z	-	View	Edit
2	Associated	ExL-App-161	Foobar 2000	1.1.7	View	Edit
3	Associated	ExL-App-162	VLC	1.1.9	View	Edit
4	Associated	ExL-App-163	Windows Media Player	10	View	Edit
5	Associated	ExL-App-164	Winamp	5.6.1	View	Edit
6	Associated	ExL-App-165	Acrobat Reader	10	View	Edit
7	Associated	ExL-App-166	IrfanView	4.28	View	Edit
8	Associated	ExL-App-167	Gimp	2.6	View	Edit
9	Associated	ExL-App-168	Excel	2003	View	Edit
10	Associated	ExL-App-169	Excel	2007	View	Edit

1 - 10 of 297 Applications >



Enable fast deposit of content with higher priority



ExLibris Rosetta Management

Home

Producers

Submissions

Data Management

Preservation



Home > Submissions > Advanced Tools > SIP Processing Configuration > SIP Processing Configuration

General Information

* Name

Description

Priority

All Other

Any SIP that does not conform to one of the specific SIP routing rules is processing

High

Low

Normal

High

Validation Stages - Pre-approval Automatic Stage

Validation Stack Routine

Validation Stack - Full

Approval Stage - Manual Approval/Assessment Stage

Approval

Allow Split/Merge

Assessor and Arranger

☐ Yes ☒ No

Enrichment - Post Approval Automatic Stage

Enrichment Routine

Enrichment - Minimal



Improved deposit tools providing better control on the deposit process

- Improved submission job history management
- Improved deposit error handling and logging
- Edit submissions via the web deposit UI





Technical Analyst Workbench

- Improved design
- Technical Analyst rules export to enable sharing rules within institutions

Done

Virus Check Plug-in

- Multiple exit codes enabling error differentiation
- Rules for automatic handling of virus check errors

Done

Fixity Checks

- OOB support for SHA-256

Done



**Define criteria
for duplicates**



**Identify
duplicates on
deposit**



**Remove
duplicates from
the system**





Support NOT in SOLR queries

Done

Improved smart-search for all controlled-vocabulary fields

Done

Improved indexing and search performance

Done





Easy editing of text and XML files using a graphical XML editor:

- Structmaps
- Source metadata
- Configuration files
- XSL files



Home > Producers > Advanced Tools > OAI Transformation Configuration Files > Edit Configuration File

* Filename	Last Modified
./xsl/transformation/oai_dc_2_dc.xsl	31/05/2016
Description OAI Dublin Core to Rosetta Dublin Core Transformation	

```
1 <xsl:stylesheet xmlns:mets="http://www.loc.gov/METS/"
2   xmlns:dnx="http://www.exlibrisgroup.com/dps/dnx"
3   xmlns:dc="http://purl.org/dc/elements/1.1/"
4   xmlns:dcterms="http://purl.org/dc/terms/"
5   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
6   xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
7   xmlns:mods="http://www.loc.gov/mods/v3"
8   version="1.0">
9   <xsl:output method="xml" indent="yes" omit-xml-decl="no"/>
10  <xsl:template match="/">
11    <dc:record xmlns:oai_dc="http://www.openarchives.org/OAI/2.0/oai_dc/"
12      xmlns:dc="http://purl.org/dc/elements/1.1/"
13      xmlns:dcterms="http://purl.org/dc/terms/"
14      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
15      <xsl:if test="//oai_dc:dc">
16        <xsl:copy-of select="//oai_dc:dc/*" />
17      </xsl:if>
18    </dc:record>
19  </xsl:template>
20 </xsl:stylesheet>
```

Text Grid

MARC

record

leader

01142camj2200301 a 4500

controlfield

(x) undefinedtag 001

92005291

controlfield

(x) undefinedtag 003

DLC

record collection



Edit Source MD using a graphical XML editor

Index Source MD elements

Enable searching through source MD elements



Collection Management UI

- Collection ordering
- New collection history tab

Done

Automatic Collection Management

- Create and update collections thumbnails via APIs
- Collection ordering API
- New task to assign collection by METS
- Automatically unassign IEs from sub-collections

Done

Collection Discovery

- Discover collections in Primo based on the given order

Done



New plug-in to automatically determine the quality of migration plans by comparing between files pre- and post-migration





Consistency Checks



- New report for retrieving objects' full storage path
- New plug-in for identifying missing files

Simplified Preservation Planning



- Enable creating a preservation plan from more than one file format

Custom Events Support

- Enable depositing of provenance events into Rosetta
- Custom events will be searchable, publishable, and exportable

Tracking Changes to Access Rights Policies

- New AR policy audit trail page that will track policy changes
- Provide APIs for tracking changes



Enable publishing of derivative copies - and not only preservation representations - to external discovery systems using OAI-PMH



New Viewers

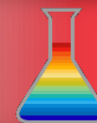
- New JWPlayer with support for HTML5
- New FlexPaper with support for HTML5
- New REP viewer supporting native HTML5 players
- Additional viewers are currently under review



Viewers Customization

- Enable setting any viewer parameters from within Rosetta
- Allow external viewers to be called outside of Rosetta's delivery page context





IE Update

- Add derivative copies
- Update representation's non-physical StructMap
- Get file physical location
- CRUD access rights on access copies

Done

Deposit

- Get SIP Status by External ID
- SIP Status for List of SIPs

Done

Collection Management

- Create and update collection thumbnail
- Collection ordering

Done

Delivery

- Access rights check service

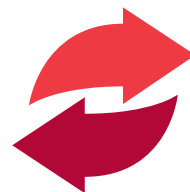


Alma Integration Plug-in - handles Remote D inventory CRUD operations

Submission application to create an Alma digitization request and generate a SIP accordingly

Preservation for Alma Digital content (metadata and files managed in Alma)

Access Rights check for remote digital repository



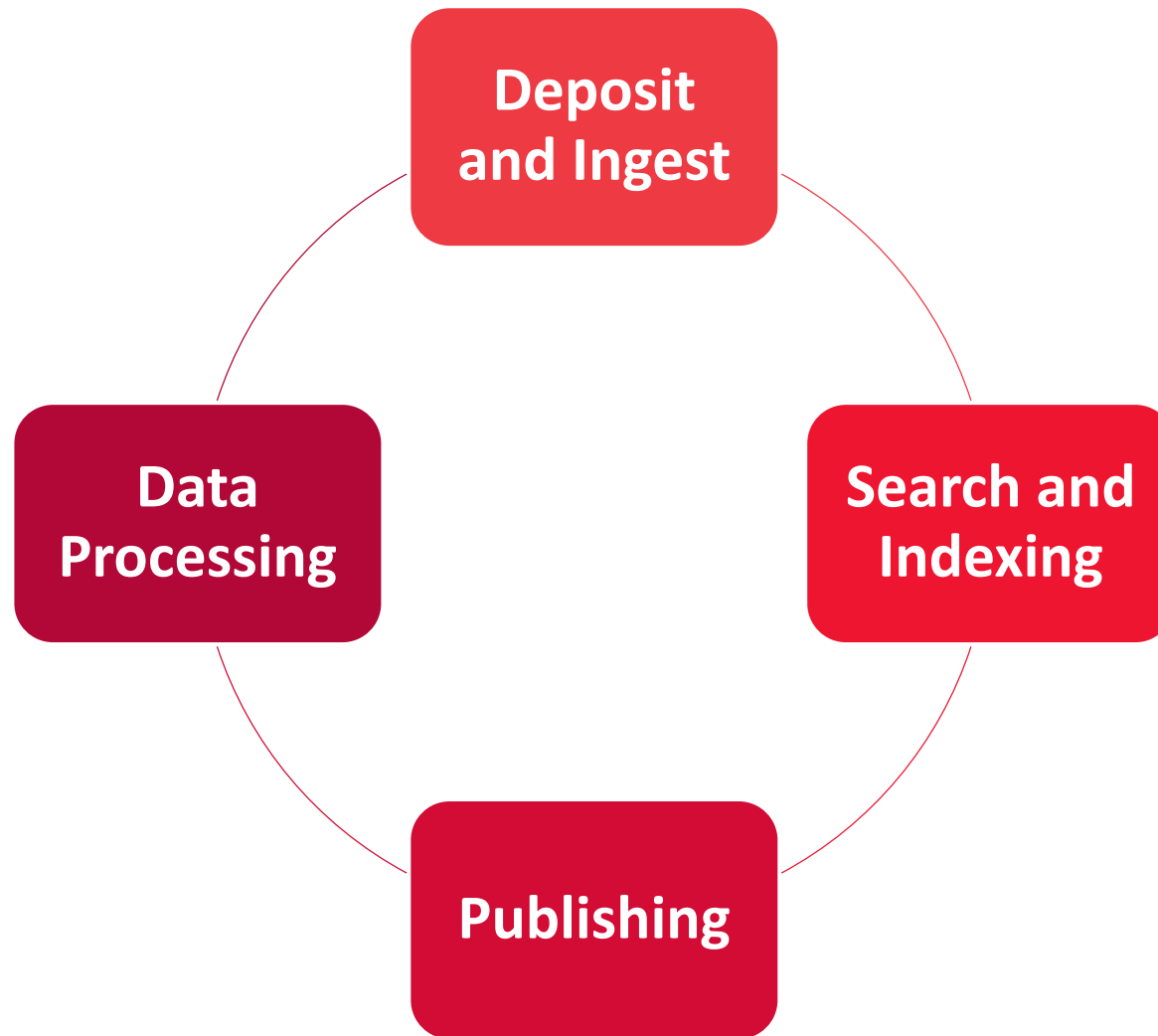


- Support depositing data from SWORD repositories into Rosetta

SWORD

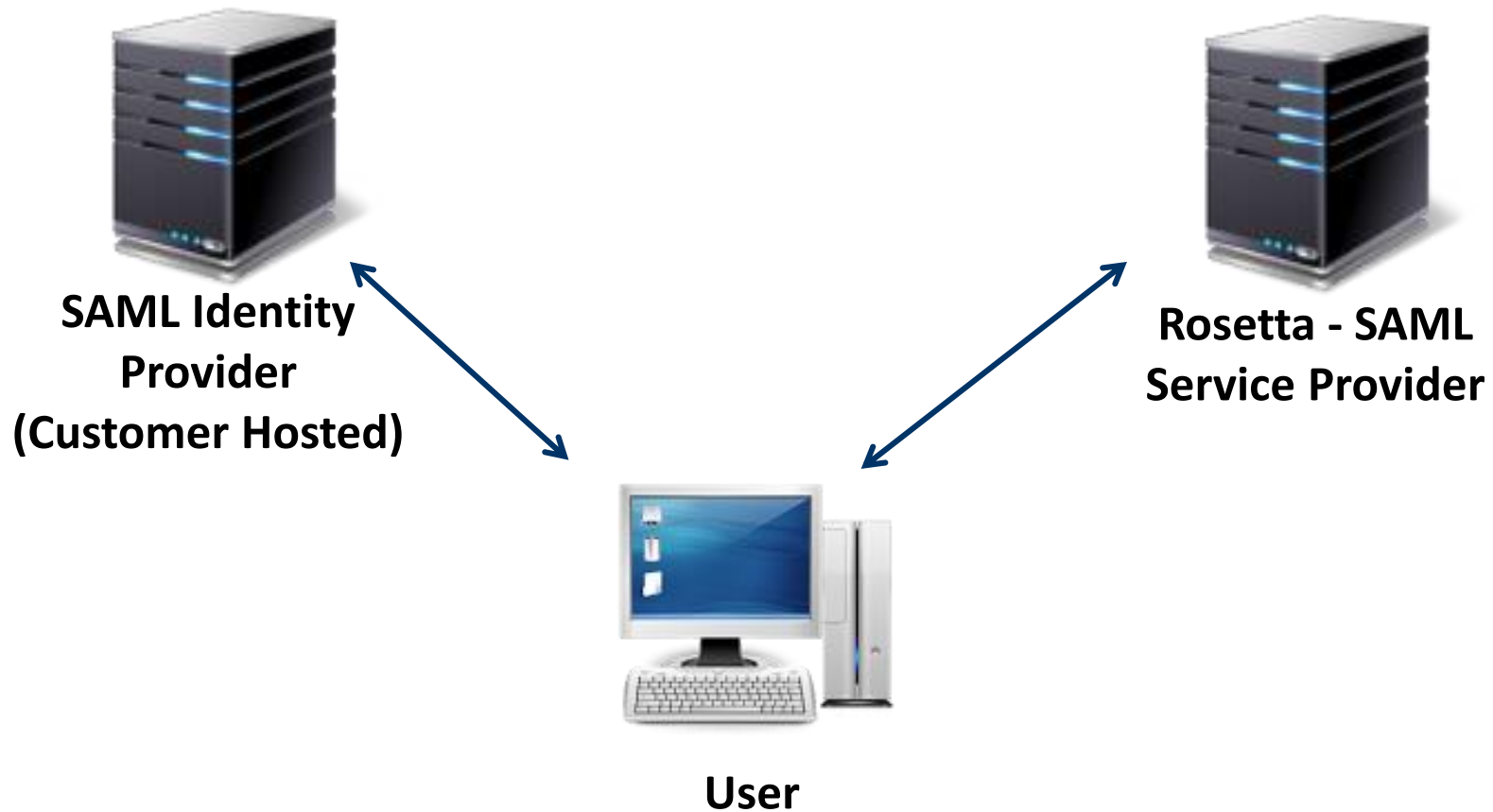
- Support depositing BagIt "bags" into Rosetta
- Support exporting BagIt "bags" from Rosetta

BagIt





Support Single Sign-on (SSO) over SAML (Security Assertion Markup Language)





- New training videos
- Improved plug-ins and APIs documentation
- Provide documentation for all Rosetta's events
- Provide documentation for email notifications mapping
- Load Balancer documentation
- Revised Rosetta-Primo Integration Guide

Done

Done

Done

Done

ExLibris Knowledge Center

How can we help you?

Home » Rosetta » Training » Core Training

Deposit Module

This course includes the following sessions:

- Managing Material Flows 01 – Introduction
- Managing Material Flows 02 – Metadata Form
- Managing Material Flows 03 – Submission Formats
- Managing Material Flows 04 – Content Structure
- Managing Material Flows 05 – Access Rights and Retention Policies
- Managing Material Flows 06 – Putting Together the Components
- Managing Deposits – Rosetta Deposits for Staff Users

Version 5.1 Highlights – September 2016

Enhanced Viewers
Customization

New Viewers

Enhanced Search

Collection Ordering

SIP Deposit
Prioritization

Improved Deposit
Management

Derivative Copies
Publishing and Creating

New XML Editor

Improved Collection
Management



Create a Preservation
Plan for more than One
Source Format

Share Technical Analyst
Rules between
Institutions

File Comparison Plug-in

Consistency Checks

Tracking Changes to
Access Rights Policies

Validation Stack
Enhancements



Infrastructure

Performance
Improvements

Enhanced Clean-up
Processes

Enhanced
Indexing

New
UI

New
APIs



Questions?



THANK YOU!

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