Ex Libris Esploro
Your path to greater research impact

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Pre-Sales Solutions Expert EMEA
The Research Workflow

Current Awareness → Research Design → Funding → Research Collaboration → Lab Safety & Management

Experiment Design → Data Collection → Analysis → Writing → Sharing

Submission → Review & Selection → Publication → Showcasing → Assessment

Strategy & Integration Among Workflow Providers, ROGER C. SCHONFELD, The Scholarly Kitchen
The Research Solutions Landscape: Current Challenges

- Disjoint point solutions with lots of duplicative and manual work
- STEM focused
- Reliance on researcher’s deposits & manual work
- Lack of integration with library workflows
- Incomplete researcher’s profiles & analytics
- Limited built-in collaborations and open APIs
Navigating the Complexity of Research Processes

Impact on: Visibility, Efficiency, Compliance

**Researchers**
*Publish, publish, publish*
- Too many systems
- Overhead of working with IRs
- Hard to maintain public profile
- Competition for funding

**Librarians**
*Support research processes*
- Manual workflows
- Multiple systems & data models
- Discoverability of research assets
- Far from the research process

**Research Office**
*Increase effectiveness of research activities*
- Risk of non-compliance
- Compliance of OA publications
- Plan S
- Research Assessment Systems
- Visibility to publication metrics
- Interdisciplinary collaborations
Paving the way to greater impact of academic research by maximizing visibility, efficiency, and compliance of research activities, leveraging library expertise and technology
Increased impact of research activities

Data exposure via discovery & institutional portals
Automated update of researcher profiles
Research metrics and benchmarks

A next-gen research repository

All research assets in one place, connected
Intelligent capture
Enrichment of metadata
Esploro at a Glance
Showcasing Institutional Research
Managing All Research Output & Data in One Place

Researcher Public Profile

Library back-office
Intelligent Capture from External Sources

Inbal Arnon
Professor of Psychology, Psychology, Hebrew University of Jerusalem

Learning / Language / Child Development / Language Acquisition / Language Learning / Cognitive Development / Speech and Language Processing / Language Development / Psycholinguistics

2018
Published the Article
"Minding the gaps: literacy enhances lexical segmentation in children learning to read"

2017
Published the Article
"Piensar" twice: On the foreign language effect in decision making

Published the Article
"Digging up the building blocks of language: Age-of-acquisition effects for multiword phrases"

Received the grant
More than words: Frequency effects for multi-word phrases from A Collaborative Pediatric Cancer Research Awards Program

Published the Article

Started collaborating with
Stewart McCauley, Morten H. Christiansen

Published the Article
More than words: The effect of multi-word frequency and constituency on phonetic duration
Easy Deposits – by Library or Researcher

Library mediated deposit

Researcher deposit

Enter a title

Minding the gaps: literacy enhances lexical segmentation in children learning to read

Related people

Lookup people by name or ORCID or Add a new person

Initial Aronov — Select role

Hebrew University of Jerusalem

Naomi Hakan — Select role

Nagpur University

Research topics

Enter keywords

Language

Enter Languages

Description

Can emergent literacy impact the size of the linguistic units children attend to? We examined children's ability to segment multiword sequences before and after they learned to read, in order to disentangle the effect of literacy and age on segmentation. We found that early readers were better at segmenting multiword units (after controlling for age, cognitive, and linguistic variables), and that improvement in literacy skills between the two sessions predicted improvement in segmentation ability. Together, these findings suggest that literacy acquisition, rather than age, enhanced segmentation. We discuss implications for models of language learning.
Automated Population of Metadata & Easy Enrichment

- The following fields have been auto-populated:
  - Audience
  - Start page
  - Additional subjects
  - Creators
  - Language
  - Article title
  - ISSN
  - Publication place
  - Open access article?
  - DOI
  - eISSN
  - Issue
  - Journal name
  - PMID
  - Publication date
  - Volume
  - Peer reviewed journal?
  - Publisher
  - Abstract
  - End page
Flexible Data Models – Tailored per Asset Type

Journal Article Deposit Form

ETD Deposit Form

Conference Proceedings Deposit Form
Holistic, Connected View of Research Output and Data

Public Research Portal

Library Deposits Management
Comprehensive Analytics
Integrated Alma Workflows
Integrated Pivot/Research Professional Search for Funding Opportunities

Funding Opportunities view in Esploro

Full details in Pivot

Funding results for child language

Young People & Education - Early Years Special Initiative
Mercers Company

09 Feb 2019, $275,000 USD
Typical and Atypical Patterns of Language & Literacy in Dual Language Learners (R01-Clinical Trial Optional)
United States Department of Health and Human Services (HHS)
National Institutes of Health (NIH)

23 Mar 2019, $100,000 USD
Neuro-Habilitation Program
International Rett Syndrome Foundation

09 Feb 2019, £350,000 GBP
Young People & Education - Early Years Special Initiative
Mercers Company

03 Aug 2019
Elsie Eyre Commitment to Underserved People (CUP) Award
Antoni Puig Public Health Association (AHPA)

15 Jan 2019, $200,000 USD
Developmental Sciences (DS)
National Science Foundation (NSF)
Directorate for Social, Behavioral and Economic Sciences (SBE)
Division of Behavioral and Cognitive Sciences (BCS)

08 Apr 2019
Ruth L. Kirschstein National Research Service Award (NRSA) Individual Fellowship for Students at
Grants and Funding - International Program

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Esploro – your path to greater research impact
Creating the Next-Generation Research Repository

A wide range of research assets

- **Publications**
  - Articles, pre-prints, thesis, dissertations, etc.

- **Creative Works**
  - Performing art, media installations, drawings, compositions, etc.

- **Research Data**
  - Datasets, raw data, computations, Software, ELNs, etc.

- **Activities**
  - Achievements, Awards, Social & Media mention, etc.

Systematic and sustainable data management

- **Automated curation**
- **Metadata enrichment**
- **Discoverability & accessibility**
- **Linking research assets and metadata**
- **Data safeguarding**
## Flexible Data Models

<table>
<thead>
<tr>
<th>Publications</th>
<th>Conferences</th>
<th>Dissertations &amp; Theses</th>
<th>Datasets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software</td>
<td>Online Resources</td>
<td>Fine Arts</td>
<td>Patents</td>
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<tr>
<td>Courses &amp; Teaching</td>
<td>Grants</td>
<td>Research Proposals</td>
<td>Activities</td>
</tr>
<tr>
<td>Impacts</td>
<td>Images</td>
<td>Sound Recordings</td>
<td>...and more</td>
</tr>
</tbody>
</table>

Supporting all disciplines and research types
Getting the Data – a Changed Paradigm

More streamlined author archive/deposit interwoven into work process

- Simple, embedded and integrated
- Automated metadata (when possible) and notifications
- Review/edit vs. fill-in forms

More comprehensive automatic capture from external sources

- Published content (e.g. indexed by library discovery)
- Disciplinary and specialized repositories
- National repositories
The Framework: Research Services Platform

Information Exposure
- Researcher
- Librarian/Admin
- Discovery

Researcher Profiles
- Analytics & Reports

Research Assets Management
- Publications
- Creative Works
- Research Data
- Activities

Metadata curation and enrichment

APIs & tools for community collaboration
- Intelligent capture of research assets
- Mediated Deposit
- Automatic Capture
- Migration
- Researcher Deposit
Research Repository: Moving beyond the Traditional IR

Capturing a comprehensive record of research assets in a unified, metadata rich, cloud-based repository

Unified Research Assets Management

- Unified & comprehensive
- Mediate & unmediated
- Quality metadata
- Integrated analytics
- Workflow-based
- Broad dissemination
Guiding Principles for Esploro

**We will not change researchers’ habits**
- Will be seamless to the researchers’ flow
- The service will still work even if researchers don’t fully engage with the system

**We will not create more work for librarians**
- Eliminate redundant and manual processes
- Rule-based workflows

**We will not be yet another point solution**
- Open, interoperable and integrated with other systems
- Intuitive out-of-the-box, yet highly configurable per institution
Efficient Management of Article Processing Charges (APC)

• APC workflows – create requests directly in the system
• Interaction with SHERPA/RoMEO to check on journal status
• Track APC status – pre and post compliance checks
• Search for APCs
• Analytics
  • Compare APC costs with subscription costs from Alma
  • APC costs by publisher, journal, department and other parameters
  • APC reports
Intelligent Migration Process

• Migrating data from existing repositories is a complex and delicate task
• Automatic migration to Esploro includes:
  • Out of the box support for multiple systems
  • Automated author matching and deduplication processes based on advanced algorithms
  • Customizable crosswalk for metadata
  • Process tailored to the institutional needs and systems
  • Flexible integration options – OAI-PMH, CSV, APIs
  • Collaborated and guided process managed by Ex Libris Professional Services team
Core Part of the Ex Libris Research Suite
Comprehensive Research Information Management

Automating research workflows

Matching scholars with funding opportunities

Increasing visibility and recognition

Connecting the dots across the research lifecycle
Connected to the ecosystem via open APIs

- **External repositories**
- **Research Administration**
- **Public Profiles**
- **HR systems**
- **Current Research Information Systems**

**Research Repository**

- **Research Funding and Insight**
- **Research Information Workflow**
- **Researcher Profile and Showcasing**
- **Citation Management & Collaboration**

**Data Intelligence**
Integrated Funding Matches for Esploro Researchers

Direct integration of Pivot/Research Professional funding recommendations within Esploro
Built on the Ex Libris Higher-Ed Cloud Platform

App Services
- Alma
- Primo
- Summon
- Esploro
- Leganto
- RefWorks
- campusM
- Pivot

UX & Mobile Framework | Workflow Engines | Collaboration Services | Analytics & Dashboards | Shared Data & Content
---|---|---|---|---
Agile Releases | Multi-Tenancy | Open APIs & Integrations | Metadata & Data Schemas | Security & Authentication

Infrastructure Services

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Supporting Open Research
Supporting Open Research

- Research ecosystem
- Data
- Collaboration
- Scholarly metrics
- Research standards
Open Data

**Research assets**
accessible from any platform (e.g. Google/Google Scholar, discovery systems)

**Scholarly profiles**
can be accessed and displayed by other institutional profile systems

**Support for open access publication models**
efficient management and analysis of Article Processing Charges (APC)
Open Research Ecosystem

Open APIs

- Actions
- Workflows
- Data

Interoperability with academic systems

- Discovery
- Scholarly profiles
- Research management
- Data repositories
- Open publishing systems
Open Scholarly Metrics

Metrics and reports available to 3rd party analysis and reporting systems

- Esploro Analytics Manager
  - Author Metrics
  - Usage Data
  - Media Reports
  - Altmetrics
  - Citation Metrics
  - Repository Statistics
  - Journal Metrics

- Connector

- Esploro Portals
  (researcher / library / research office)

- APIs
  3rd Party Reporting Systems
Open Research Standards – FAIR

FINDABLE
Research output & data with rich metadata and persistent identifiers

INTEROPERABLE
Formal, shared, and understandable representation of knowledge

ACCESSIBLE
Data & metadata are openly available via a trusted repository

REUSABLE
Clear usage licenses and accurate information on data provenance
Supporting Transition to Plan S

Esploro enables customers to adopt Plan S guidelines with a compliant repository and workflows

• Complying with Plan S requirements for research repositories
  • Supporting OpenDOAR guidelines
  • Using Persistent Identifiers, such as DOIs, for deposited versions of the publications, authors, funders, grants, institutions, and more
  • Enabling rich, autopopulated metadata such as PID, version deposited, OA status, license, funding info
  • Standard interoperable metadata format for import and export
  • Manuscript submission system option – individual or bulk
  • Open APIs to allow access to the content in the repository
  • OpenAIRE compliance of the metadata
  • QA processes to link full-text deposits with authoritative bibliographic metadata
  • Robust global infrastructure for continuous availability
  • 24x7x365 support

• Comprehensive reporting on APC payments and APC management workflows
Community Collaboration

Esploro
“Community Zone”

- Data management plans
- Metadata tools
- Best practices
- KPIs & benchmarks
- Global profiles

Community collaboration platforms

- Development network
- Knowledge Center
- Idea Exchange
The Esploro Difference

1. Integrated & Unified
   Integrated workflows & discovery for research assets

2. More Content
   Content is linked and connected, including non-STEM, creative work & data

3. Professional Curation
   Including advanced and automatic Metadata enhancements

4. New & Innovative Model
   Intelligent capture, automatic metadata population

5. Open & Extensible
   open APIs and easily customizable solutions

6. Integrated Analytics
   Cross functions analytics & Metrics
Esploro Timeline

Development started

Q3
Q4
Q1
Q2
Q3
Q4
Q1
Q2
Q3
Q4

2017
2018
2019

Development Partners implementation & migrations

Early Adopters implementation & migrations

Dev Partners kickoff

Monthly Releases

Jul.

July

U. Iowa Go Live
Thank you!

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