

*Migrating to the EMu Platform:
Expectations and Results*



17 May 2013


Presentation for Kelsey Museum and the
University of Michigan



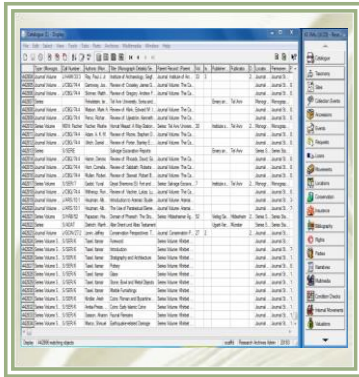


Introduction

Objectives

- Migrate data from legacy systems to a more robust and sustainable software environment
 - Make data accessible to scholarly and public audiences
 - Integrate data between institutional departments in unprecedented ways
 - Expand the scope and utility of the data and data functionality with core users in mind including staff, scholars, and public
 - Explore possibilities for further integration between sister institutions and projects
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Introduction



➤ Database and Accessibility

➤ Internal: KE EMu Client Software

- Field Museum, Cairo Museum, Smithsonian, University of Pennsylvania, *inter alia*



➤ Public: Browser Based Public Interface

- Developed by University of Chicago Web Services
- Data exported from EMu and managed separately for faster dynamic searching, sorting, and browsing

How Long Does It Take: History of the Project

2005-
2010

Determine
Project Scope
and Course

Choose Vendor

Customize Client
Software

2010-
2012

Phase I: Data
Migration

Research
Archives
(450,000
Records)

Museum
Registration
(230,000
Records)

2012-
2014

Data Cleanup

Data Integration

2012-
2015

Phase II-IV:
Migration of
Further Data
Silos

Conservation,
Photos
Database,
CAMEL, Museum
Archives



Getting What You Want: Customizing EMu

- Principles of a Successful EMu Installation
 1. Vision – Know What You Want and Why
 2. Preparation and Planning – Produce Your Ideas on Paper
 3. Negotiation – Listening with Confidence

 - Oriental Institute EMu Installation
 1. University of Pennsylvania Template
 2. Complete customization for integration with Research Archives
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Getting What You Want: Customizing EMu

KEEMu Form Designer

File Edit Select View Tools Tabs Multimedia Window Help

Monograph Details

Type: Monograph Call Number

Mon. Title:

Mon. Subtitle:

Authors: Name Role Acronym: Acronym Source

Publisher: Ref. Numbers: Number Source

Publication City: Year Date:

Physical Details:

Web Access: URL Access

Monograph



Catalogue (1) - Display

File Edit Select View Tools Tabs Parts Archives Multimedia Window Help

Monograph: Harrington, Nicola. Living with the Dead: Ancestor Worship and Mortuary Ritual in Ancient Egypt (2013) 683176

Monograph Details

Type: Monograph

Call Number: MON: Harrington

Title: Living with the Dead: Ancestor Worship and Mortuary Ri

Subtitle:

Authors/Contributors:

Authors	Role
1 Harrington, Nicola	Author

Acronym: Acronym Source

Reference Numbers:

Number	Source
1 978-1-84217-493-7	ISBN

Edition:

Publisher: Oxbow Books

Publication City: Oxford

Date: 2013

Extension: 1 volume (xvi + 200 pages)

Web Access: URL Access

Monograph: Summary Sum./Abstract Relationships Archives Parts Location References Notes Valuation

Display: Object 20 of 20 scaffold Research Archives Admin 20183



KEEMu Form Designer

File Edit Select View Tools Tabs Multimedia Window Help

Parent Records

Child Records

Related Records

Record Information	Relationship Type
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Comments on Related Records

Relationships

Catalogue (1) - Display

File Edit Select View Tools Tabs Parts Archives Multimedia Window Help

Series Volume: The Sumerian World 685640

Parent Records

Parent Record	Volume Number	Issue Number
1 Series: The Routledge Worlds		

Child Records

1 Series Volume Section: Al-Gallari Wier, Lama. "A Note on Sumerian Fashion." 375-394
2 Series Volume Section: Agazzi, Guillermo. "The End of Prehistory and the Uruk Period." 69-94
3 Series Volume Section: Alwaith, Azzam. "The Mesopotamian Marshlands: a Personal Recollection." 639-642
4 Series Volume Section: Asher-Greve, Julia M. "Women and Agency: A Survey from Late Uruk to the End of Ur III." 359-377
5 Series Volume Section: Bachhuber, Christoph. "Sumer, Akkad, Ebla and Anatolia." 489-516
6 Series Volume Section: Brisch, Nicole M. "History and Chronology." 111-127
7 Series Volume Section: Carter, Robert. "The Sumerians and the Gulf." 579-599

Related Records

Related Record	Relationship Type
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Comments on Related Records

Series Volume: Summary Sum./Abstract Relationships Archives Parts Location References Notes Valuation

Display: Object 2 of 23 scaffold Research Archives Admin 20183



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Making the Move: Preparing for Migration

- Migrating Data into EMu: There is **NO** Magic Cure
 1. EMu Data is Only as “Clean” as its Source
 2. Limited Amount of Data Manipulation during Migration
 3. EMu Tools in Place for More Advanced Clean Up
 4. Err on the Side of Innovation

 - Migrating Data into EMu: Practice Makes Perfect
 1. Data Loads: At Least 3
 2. Review Process
- 



Doing the Work: Day to Day Use of Emu

- Technology Issues

1. Servers

2 servers will be needed, one for test environment and one for live environment

2 servers will be needed if the web version is hosted separately (one for web test environment, one for live web environment)

2. Licenses

Licenses required for both test and live environment for individual users logged onto EMu

3. Security

Plan and set up procedures and protocols for working with shared departmental records

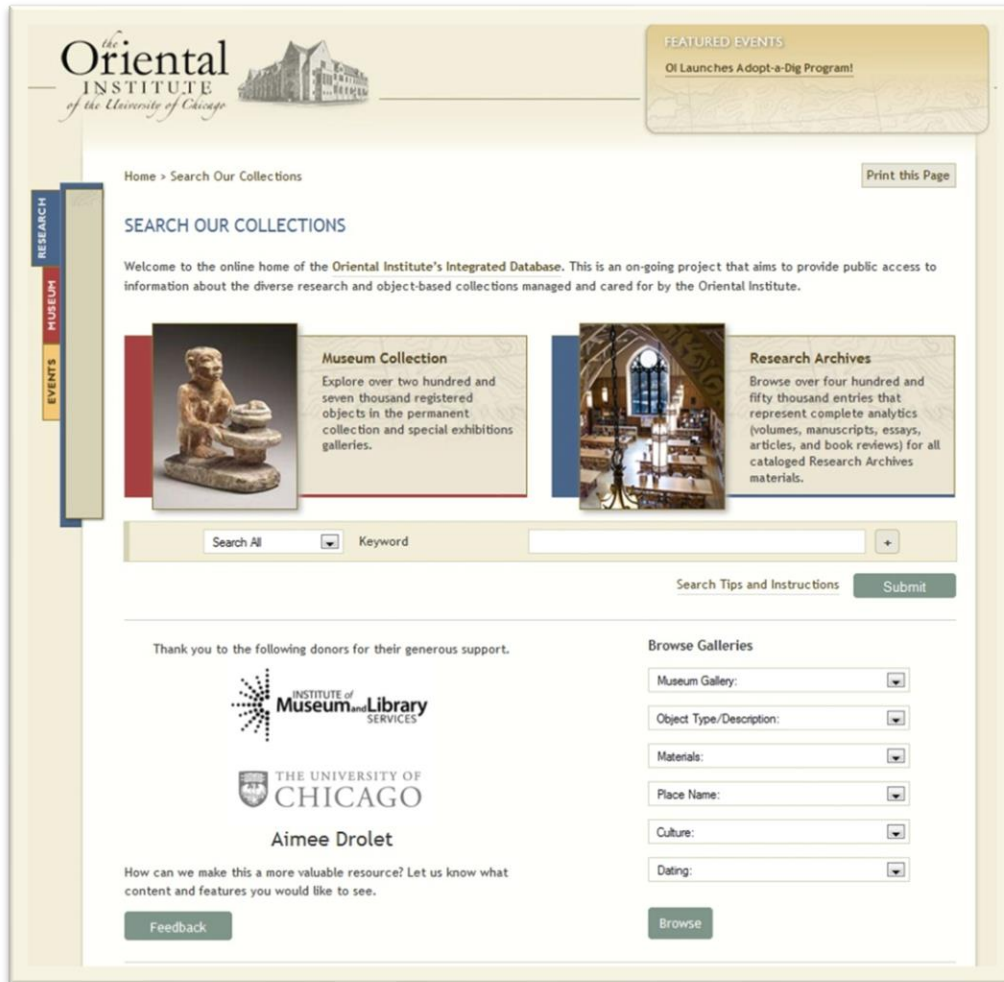
!PLAN ON HAVING DEDICATED EMu IT PERSONNEL!



Bringing in the Public: EMu on the Web

- IMu (Internet Museum)
 - Served from EMu server
 - Additional licenses to handle public web traffic
 - Lower initial costs vs. Performance/Security/Flexibility Issues
 - Potential Downtime for users
- Independent Web Development
 - Export EMu data and import into 3rd party system (Solr)
 - Only relevant data exported = secure and fast
 - Servers kept separate and secure from EMu system
 - Potential for write/edit access into EMu through Web interface

Bringing in the Public: EMu on the Web



The screenshot shows the website for the Oriental Institute of the University of Chicago. At the top left is the logo for the Oriental Institute. A navigation sidebar on the left lists 'RESEARCH', 'MUSEUM', and 'EVENTS'. A 'FEATURED EVENTS' box at the top right mentions 'OI Launches Adopt-a-Dig Program!'. The main content area is titled 'SEARCH OUR COLLECTIONS' and includes a 'Print this Page' button. Below this is a welcome message and two featured sections: 'Museum Collection' with an image of a sphinx and 'Research Archives' with an image of a library interior. A search bar with a dropdown menu and a 'Submit' button is located below these sections. At the bottom, there is a 'Thank you' message to donors, logos for the Institute of Museum and Library Services and The University of Chicago, and a 'Browse Galleries' section with several dropdown menus for filtering results. A 'Feedback' button is also present.

- Integrated Searching
- Build custom searches across multiple data silos
- Browse collections based on preselected criteria



Summary

- Overall: EMu is a flexible product that has given us room for wide-ranging development in digital tools
 - Sound preparation and planning are essential to the delivery of a product that you can live with for decades
 - Expect delays and repetition during the design and migration process
 - Take KE engineer advice seriously, but use and trust the expertise of your staff
 - Projects of this size and scope require ongoing institutional support for the foreseeable future and internal cooperation to get maximized benefits
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