

Migration of UAiR to the Drupal Content Management Platform

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Problem

The current [UAiR](#) (University of Arizona Institutional Repository) system supports ten published journals and collections. The UAiR information technology infrastructure was custom developed by DLIST staff and is based on the Mirage MVC framework (PHP), and, for exhibits, incorporates Omeka, an open source software LAMP-based product of George-Mason University. Functionality in the Mirage MVC framework cannot be enhanced or extended with current DLIST staffing levels. To accommodate present and future repository requirements DLIST is migrating UAiR to the Drupal open-source content management platform. DLIST chose Drupal as the IR infrastructure based on several criteria, which include the University's security requirements, University-wide system's and programming support, DLIST staffing and training levels, and future candidate pool. Because of the strength of the Drupal user community and the abundance of libraries using Drupal for Web-based development, many library-science based tools are immediately available for use with the IR. The same infrastructure (Drupal) is used by SIRLS for site and repository use and will be used for the re-designed Library website.

Description

- Our initial release in Drupal will minimally duplicate current functionality. We will implement common Drupal features as quickly as we can, some concurrently with our first release. We are not planning to extend current functionality until after we have converted the current Mirage-based system to Drupal.
- Exhibits are not part of the migration. Exhibits will continue running in the current system and DLIST will turn these off one-by-one as each is converted to the new system. We have no definitive timeline for the exhibit conversion.

Major Milestones

March 16	Freeze the current UAiR system until after June 1. No additional content is added or changes made to existing content until after the migration to Drupal. EXCEPTION: If issues are resolved with Latino Politics (the Garcia book) the book will be loaded to the current UAiR and migrated during the May 1-15 timeframe.
April 1-April 30	Migrate identified collections into Drupal and test with the collection editors
May 1-30	Migrate additional identified collections and all production journals and test with journal and collection editors; final preparation for going live with the Drupal UAiR
June 1	Turn off the current UAiR and put the Drupal UAiR in production
June 1-September 30	Resume normal adding of content to UAiR Release of OAI-PMH Release of RSS 2.0 Configuration and testing of JAEI ecommerce capabilities, which includes user registration, shopping cart, and product and subscription management
October 1	Ecommerce capabilities released

Journal/Collection Editor Testing Roles

Kent Duryee (307-5195, duryeek@u.library.arizona.edu) will be in contact with editors regarding the testing schedule and will be the contact for problems or questions during testing.

Journal and Collection editors are responsible for:

- Verifying the end user functionality (searching, search results, screen displays, etc.) of their products
- Verifying administrative functions for their products (adding content, changing metadata, etc.)
- Communicating problems to Kent Duryee
- Re-testing when problems are resolved

DLIST is responsible for

- Providing logins and access instructions for the Drupal test system to editors
- Providing an orientation session to the administrative system during the week of April 6th
- Providing written instructions for administrative functions
- Moving the content to the Drupal test system

- Resolving problems
- Moving content to the Drupal production system

Testing Schedule

Journals: Test cases for strict structure, simple objects, hierarchy, about and technical detail, permissions settings, open access content

Journal Name	Editor	Testing Dates	Notes
JRM	Jeanne Pfander	April 1-15	
Rangelands	Jeanne Pfander	April 1-15	
JA EI	Robert Schon	May 1-15	
Radiocarbon	Mark E. McClure	May 1-15	
MAPS	Agnieszka P. Baier	May 1-15	

Collection Name	Editor	Testing Dates	Notes
Shantz	Paula Wolfe	April 1-15	Test cases for mage collection, panoramas (special type with a sequence), date-based organization, geography-based organization (vocabulary)
Pima County Medical Society Minutes	Dave Piper	May 1-15	Test cases for an image compound object with text object included, names vocabulary, collection-based terms vocabulary
Borderland Apache	Erika Castano	May 1-15	Test cases for an image compound object with text object included, names vocabulary, collection-based terms vocabulary
Preserving and Creating Access to Afghanistan Literature from the Jihad Period	Yan Han	May 1-15	Test cases for collection within collection, journals within collections, etc.
Raul H. Castro	Erika Castano	May 1-15	
Empire Ranch	Bonnie Travers	May 1-15	Includes both photo albums
Morales de Escárcega	Veronica Reyes	May 1-15	
Preserving the History of U.S. Agriculture and Rural Life: State and Local Literature, Arizona, 1820-1945	Yan Han Jim Martin	April 15-30	