Pre-Fedora Commons

• NAL Digital Repository (NALDR)
  – 2004-2011
  – Focus on complete runs of USDA publications
  – Running ZyLAB

• AgSpace
  – 2005-2012
  – Focus on USDA authored peer-reviewed articles
  – Running DSpace 1.6
NAL Digital Repository

The National Agricultural Library Digital Repository (NALDR) provides access to publications either digitized by NAL or through NAL’s partnerships with other institutions.

Spotlights

The Rural Development Publication Digitizing Project
The Rural Development Publication Digitizing Project is the first endeavor of the NALDR. The Project provides access to publications that relate to rural development in America. More...

The Yearbook of the United States Department of Agriculture
The Yearbook, published from 1894 to 1992, contains statistical information and summaries of research developments, providing an important annual "snapshot" of agriculture. The Yearbooks for 1894 to 1914 are available in full text in the NALDR. The remaining volumes will be added in 2006.

Last Modified: April 18, 2006
AgSpace

Welcome to the National Agricultural Library's AgSpace, a digital repository of research and information on agriculture, food, and the natural environment.

Search

Communities in AgSpace

Choose a community to browse its collections.

USDA Research
AgSpace Workflow

Submission Form Programs

Long term storage

Media Expert

Cataloger

Indexer

Voyager

“Nightly” Batch program

Convert And Import program

AgSpace

Add Handle
Welcome to the National Agricultural Library (NAL) Digital Collections

The NAL Digital Collections provides access to selected publications produced for public access and other items published by the United States Department of Agriculture (USDA), scholarly and peer-reviewed research publications authored by USDA employees, and other content in accordance with the NAL Collection Development Policy.

Spotlight

Lorem ipsum dolor sit

Browse NAL Digital Collections

USDA-authored, Peer-reviewed Journal Articles
Contains digital copies of peer-reviewed research authored by U.S. Department of Agriculture scientists and published in scientific journals and conference proceedings. Audience is primarily the scientific community.

USDA Publications
Contains digital copies of reports, handbooks, bulletins, series and other publications published by the U.S. Department of

I Want To...
- Ask a question
- Go to NAL homepage
- Request a high-resolution copy
- Search NAL's catalog
- Submit a published article (USDA only)
Basic NALDC 1.0 Submission

Workflow

Fedora

Voyager/AGRICOLA

Policy

doc

Search and Retrieval

rejected

submit

accepted

Basic record

Full record

Internal

Public

Submission
AMP (AGRICOLA management platform)

• New automatic indexing workflow for the production of AGRICOLA (AGRICultural OnLine Access) database

• Single article object with three datastreams:
  – Source metadata
  – MODS
  – Processing/tracking data
AMP Workflow

Submission Form

Scientist submissions

ftp server temp stg

src pdf

push pull

Publishers

XSLT normalize

MODS

Data cleanup & validation

MODS rejects

error reports

Ingest

MODS src pdf

NALDC

SPARQL

Voyager

Automatic indexing

Publishers

XSLT normalize

MODS

Data cleanup & validation

MODS rejects

error reports

Ingest

MODS src pdf

NALDC

SPARQL

Voyager

Automatic indexing

Publishers
Automated Indexing Workflow

Metadata collection
- Publisher/Aggregators
  - ① get_and_normalize_file.pl
    - MODS and source for a single article
  - ② publisher_data_process.pl
    - FOXML for articles and Journals.

Automated Indexing
- LUXID Automated Indexing Engine
  - Selection Criteria
  - TMX w/ title & abstract
  - MODS
  - Batch object

Annotation Workbench
- XCAS
  - MODS with subject terms updates to article obj.

AI Fedora Repository
- MODS

Voyager LMS
- MODS

NALDC Fedora Repository
- MARC21

USDA
NALDC 2.0

National Agricultural Library Digital Collections

The NAL Digital Collections offers one avenue by which customers can use collection materials available in digital format, whether those materials originated in that format or were converted to it later. The NAL Digital Collections offers rich searching, browsing and retrieval of digital materials and collections and provides reliable, long-term online access to selected publications.

The NAL Digital Collections has been formed to help fulfill the NAL’s mandate to:

- acquire and preserve substantive or essential information in the agricultural sciences,
- document United States Department of Agriculture (USDA) research, and
- serve as a national resource for agricultural information.
NALDC 2.0 logical layers
NALDORA

• NALDORA enhancements to Islandora
  – Support for creating journal articles
  – Quality control workflow
  – New custom reports.
Unified Repository

• A single repository for NAL’s metadata

• Obstacles
  – Scaling the Fedora Commons stack
    • Stay with a single large VM
    • Increase size of VM
      – 32GB memory
      – 8 cores
  – Creating consistent metadata
    • Single identifier for all products
    • Harmonize MODS
    • Convert MARC metadata to MODS
Acknowledgements:
PubAg Leadership Team
PubAg Data Management Team
Discovery Garden Inc.

Chuck Schoppet
Chuck.Schoppet@ars.usda.gov