

Fedora Commons

An institutional history



Chuck Schoppet
Library Applications Team Lead

National Agricultural Library
Agricultural Research Service
United States Department of Agriculture

March 30, 2015



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



United States Department of Agriculture
National Agricultural Library

DIGITAL REPOSITORY



[Home](#) | [About NALDR](#) | [Basic Search](#) | [Advanced Search](#) | [Publications](#) | [Tables of Contents](#) | [Help](#) | [Contact Us](#)

You are here: [Home](#)

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.



Published by U. S. Dept. of Agriculture, 1906. Page 20.
Linn. Stock Photo

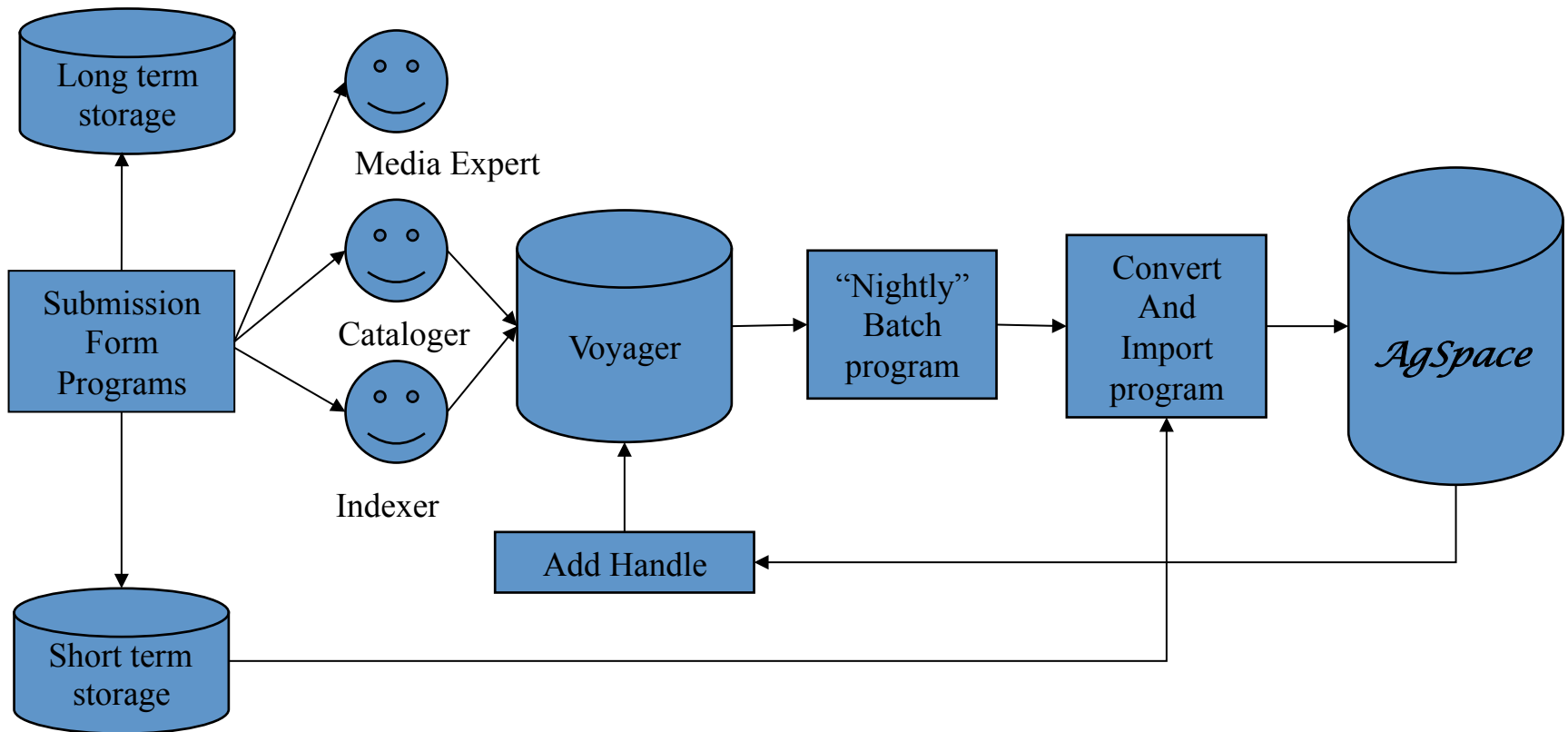
Last Modified: April 18, 2006

[NALDR Home](#) | [NAL Home](#) | [USDA](#) | [Agricultural Research Service](#) | [GPO Access](#) | [Policies and Links](#) | [Site Map](#)
[FOIA](#) | [Accessibility Statement](#) | [Privacy Policy](#) | [Non-Discrimination Statement](#) | [Information Quality](#) | [FirstGov](#) | [White House](#)

AgSpace

The screenshot shows the AgSpace website interface. At the top left is the USDA logo with the text "United States Department of Agriculture National Agricultural Library". At the top right is the "AgSpace" logo. Below the logos is a horizontal banner with several small images: a field, binary code, a person, a field, a person at a computer, a ladybug, a field, and sunflowers. Below the banner is a navigation menu with links: Home, About AgSpace, News, Collections, NAL Catalog, Help, and Contact Us. On the left side, there is a "Search AgSpace" box with a search input field, a "Go" button, and links for "Advanced Search" and "Search Tips". Below this is a "Browse by:" section with a "Choose One:" dropdown menu. Underneath is a "Login to:" section with links for "Receive E-mail Updates" and "Change Your Password". The main content area starts with "AgSpace >" followed by a dotted line and a welcome message: "Welcome to the National Agricultural Library's AgSpace, a digital repository of research and information on agriculture, food, and the natural environment." Below this is a "Search" section with a search input field, a "Send" button, and a "Clear" button. Further down is a "Communities in AgSpace" section with the text "Choose a community to browse its collections." and a link for "USDA Research". At the bottom of the page is a footer with various links: "AgSpace Home | NAL Home | USDA | ARS | Science.gov | GPO Access | Policies and Links | FOIA Accessibility Statement | Privacy Policy | Non-Discrimination Statement | Information Quality | USA.gov | White House".

AgSpace Workflow



NALDC version 1.0

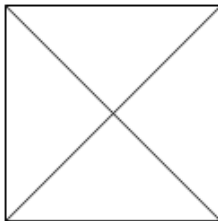


Welcome to the National Agricultural Library (NAL) Digital Collections

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.

Search across all digital collections

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

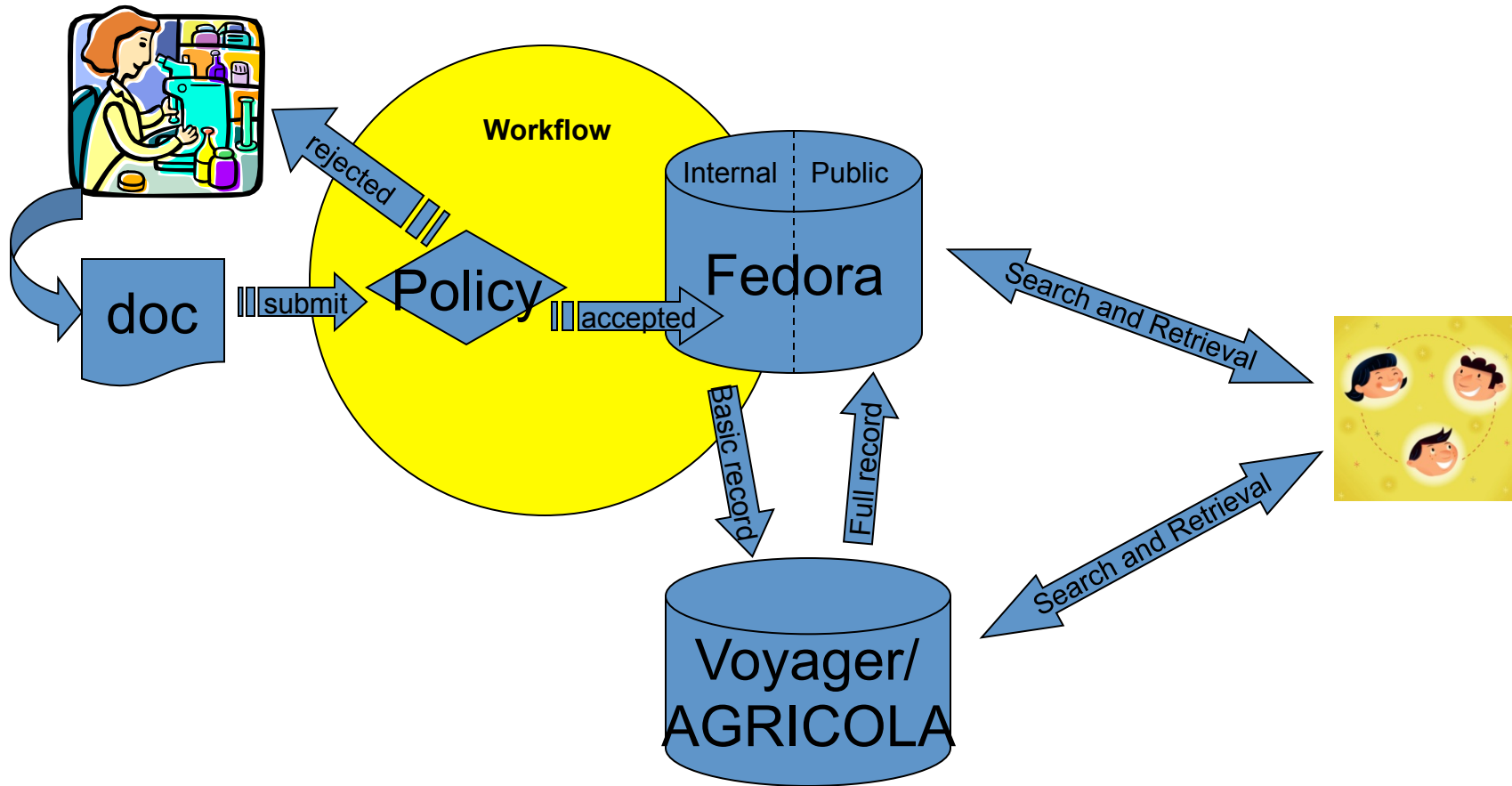
Contains digital copies of reports, handbooks, bulletins, series and other publications published by the U.S. Department of

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)



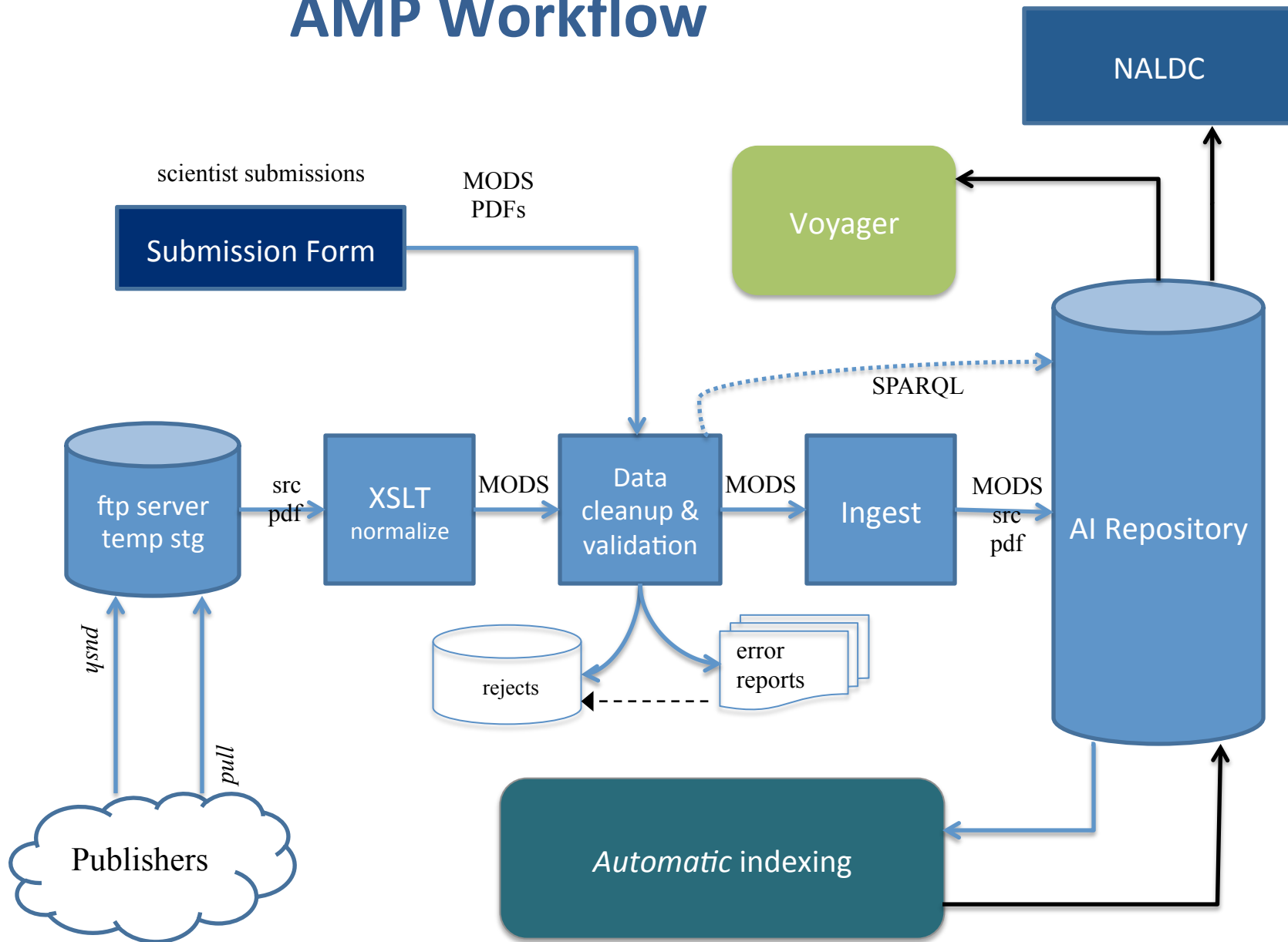
Basic NALDC 1.0 Submission



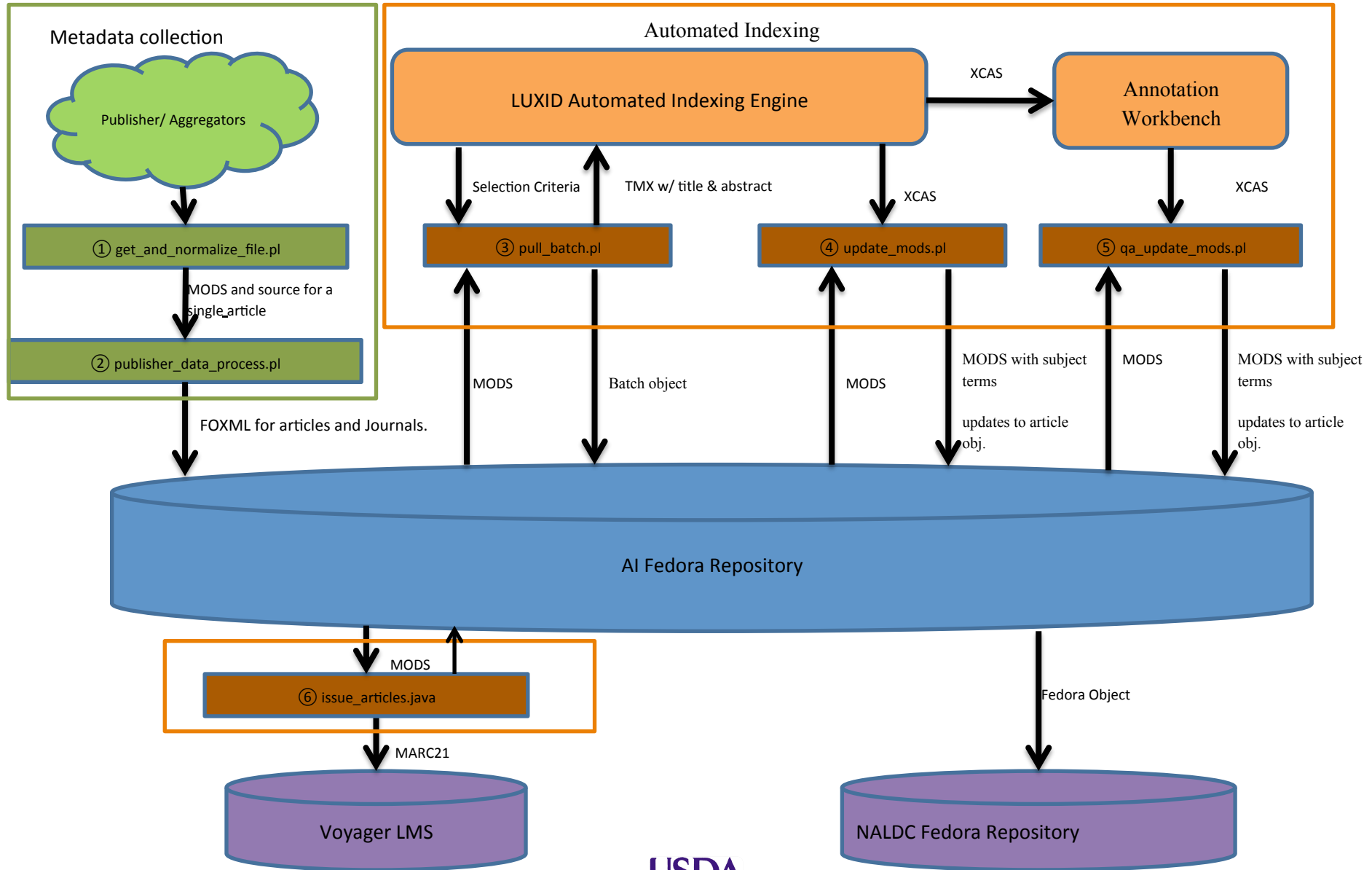
AMP (AGRICOLA management platform)

- 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



Automated Indexing Workflow



NALDC 2.0

National Agricultural Library Digital Collections

Search



Search across all digital collections

I Want To...

- [Ask a Question](#)
- [Go to the NAL Homepage](#)
- [Submit Published Documents](#)
- [Search NAL's Catalog](#)

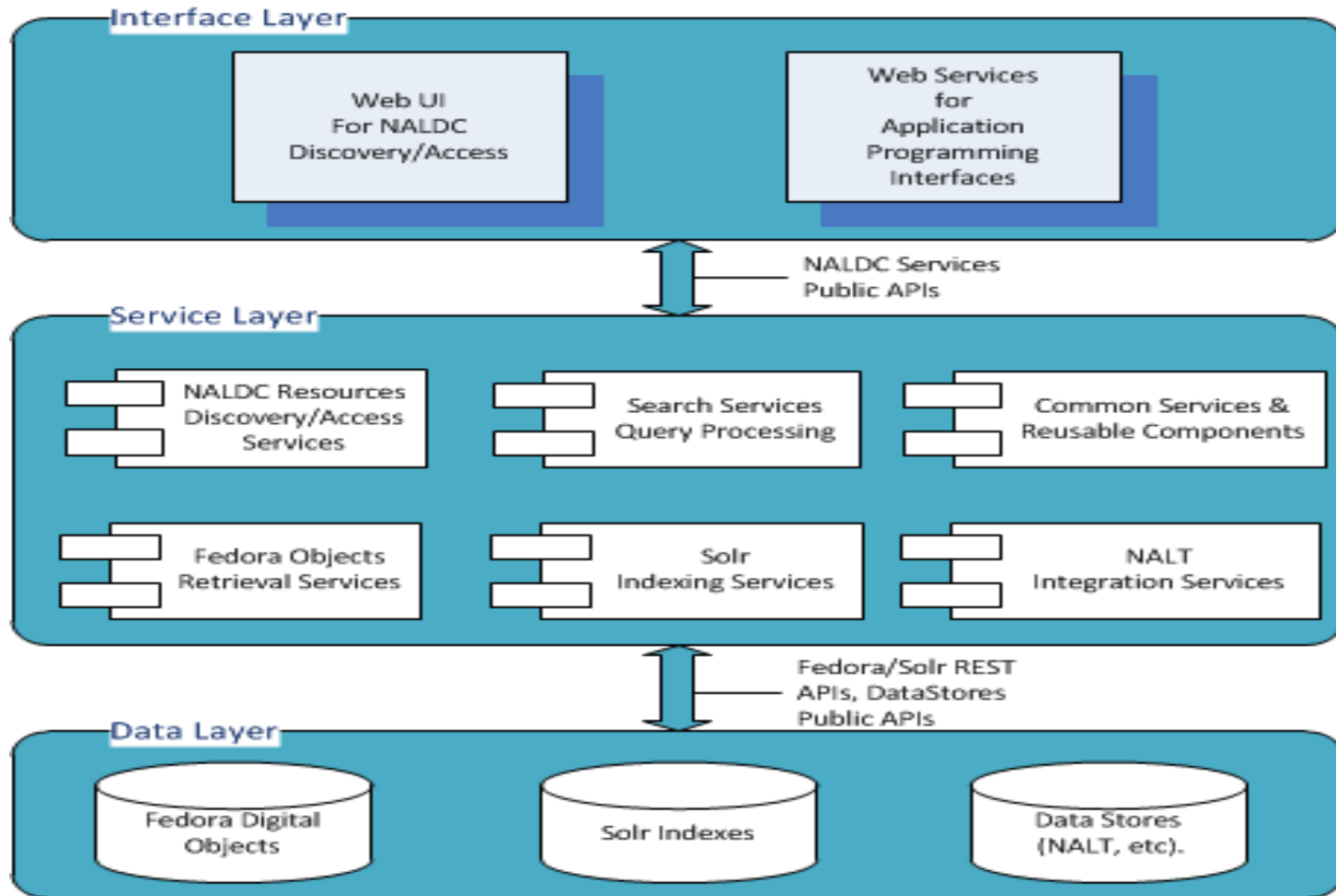


The NAL Digital Collections offers one avenue by which customers can use collection materials available in digital format, whether those materials originated in that format or were converted to it later. The NAL Digital Collections offers rich searching, browsing and retrieval of digital materials and 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