Fedora Commons
An institutional history

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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

USDA

NAL Digital Repository

AgSpace

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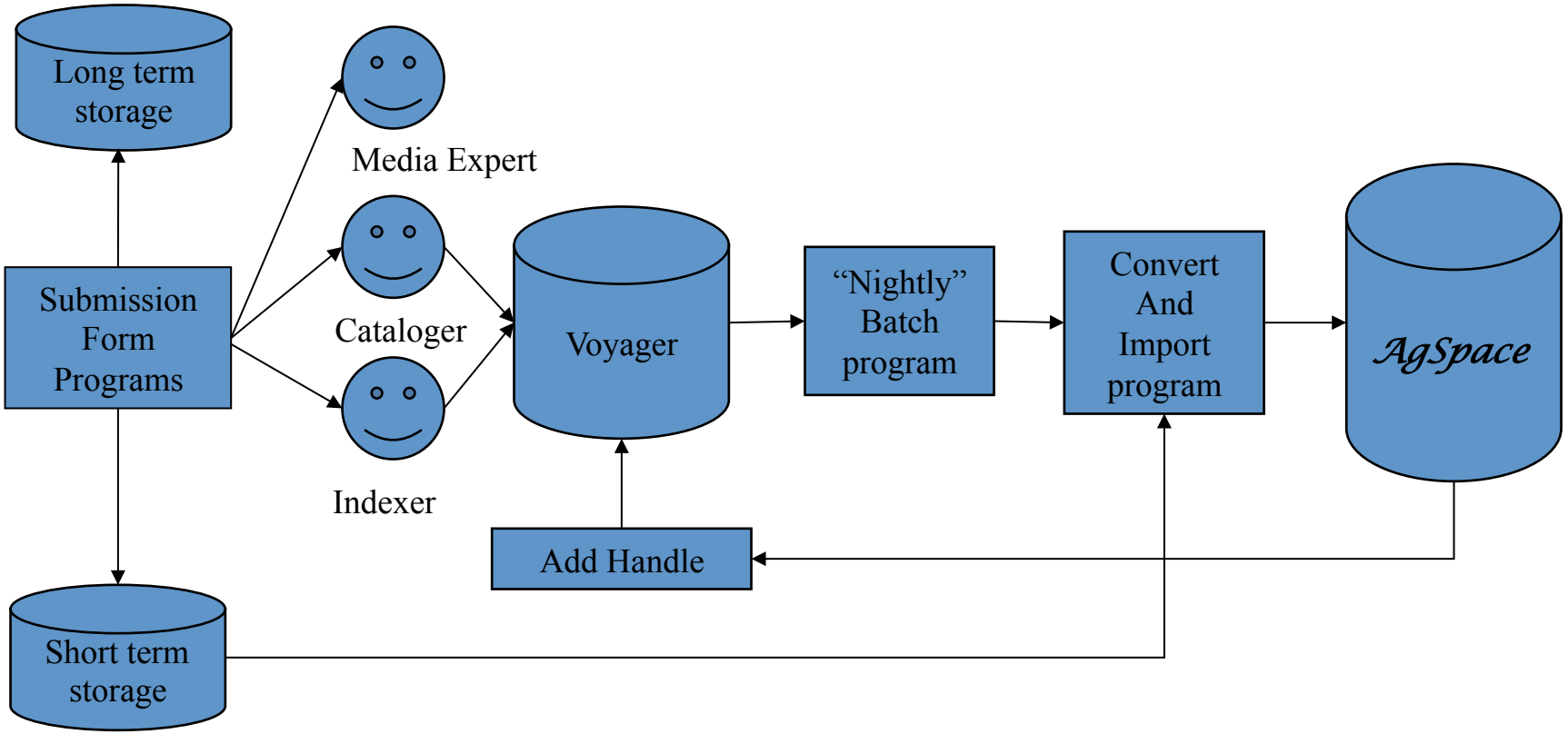
AgSpace Workflow



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NALDC version 1.0

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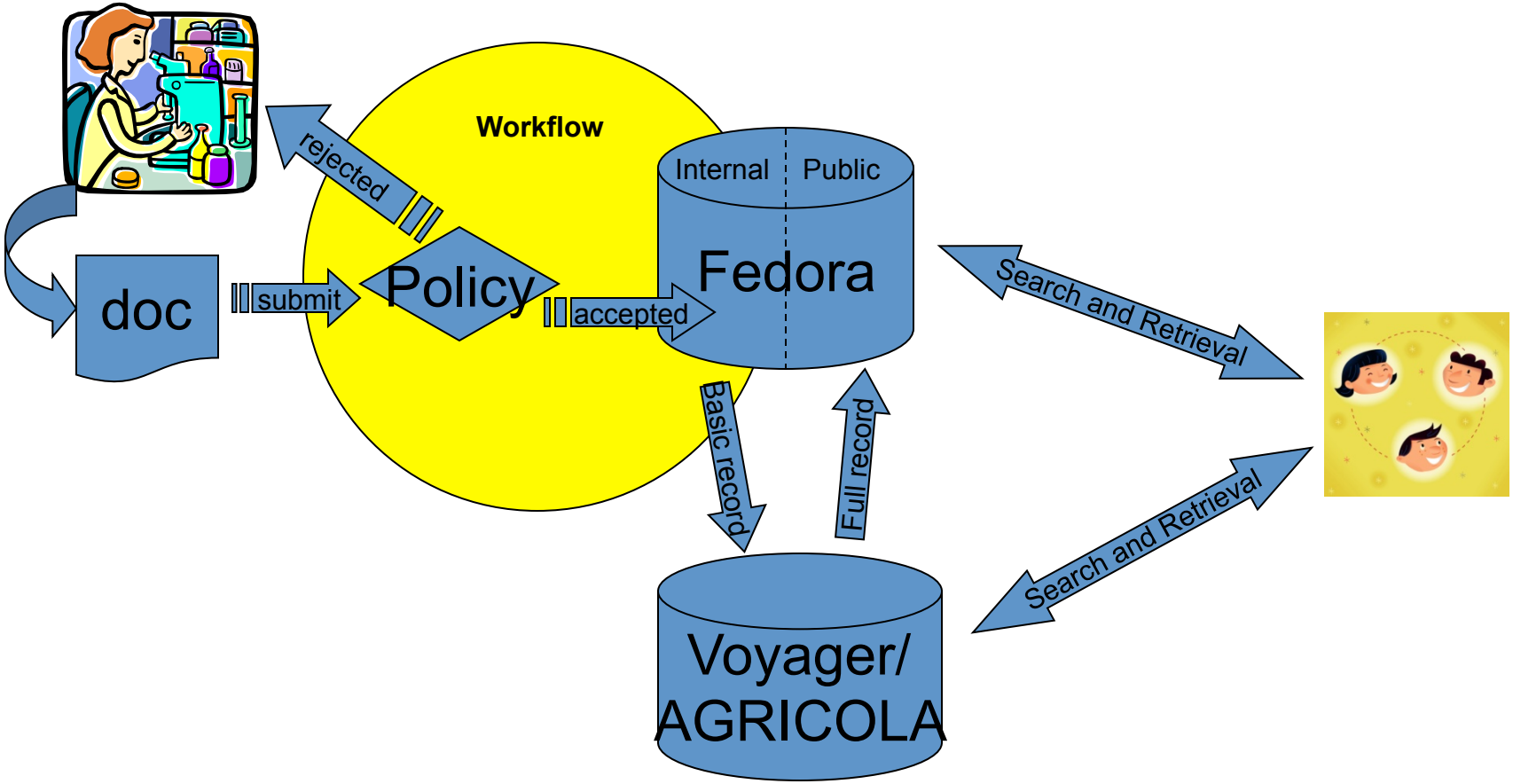
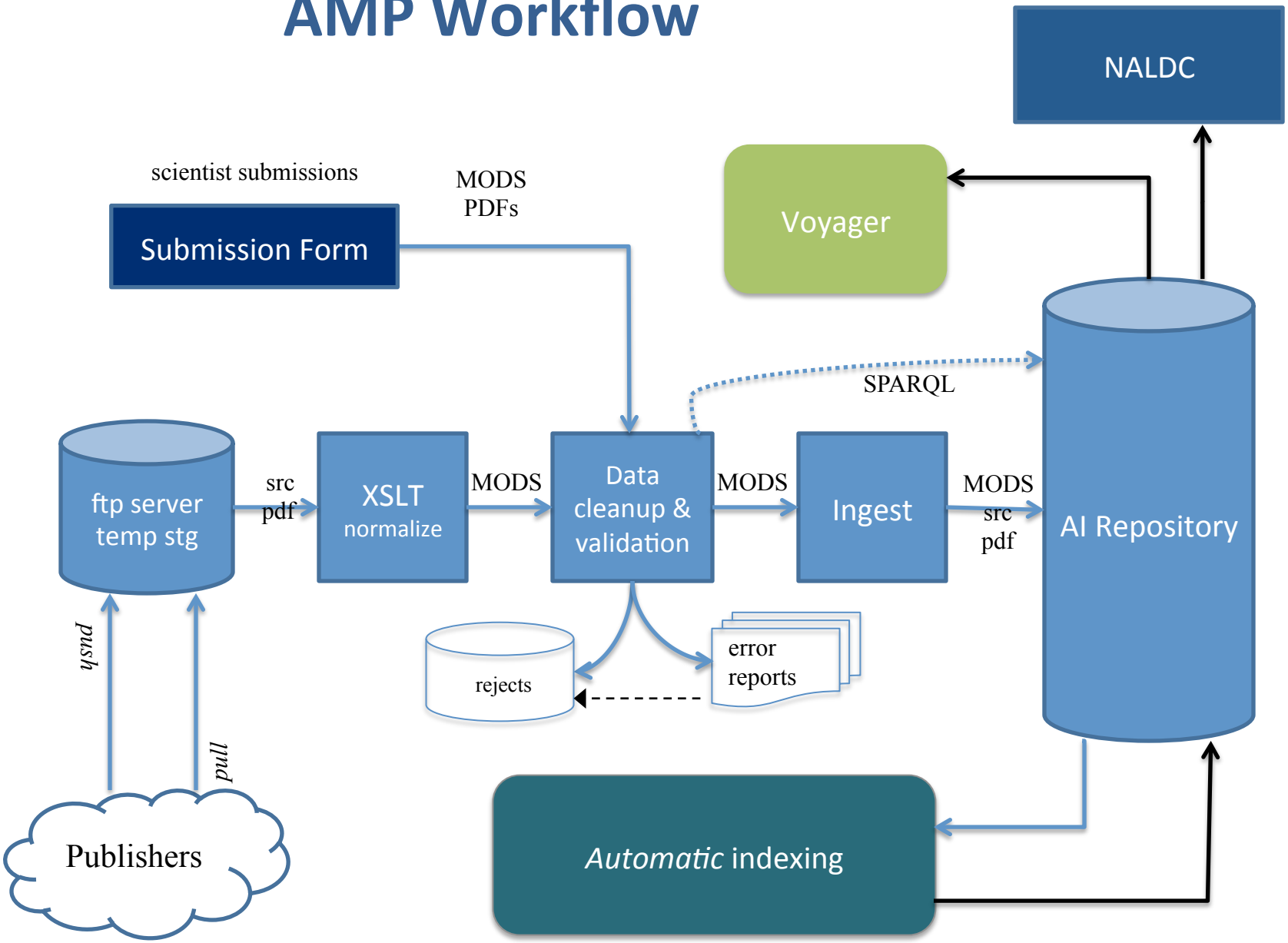
Basic NALDC 1.0 Submission



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



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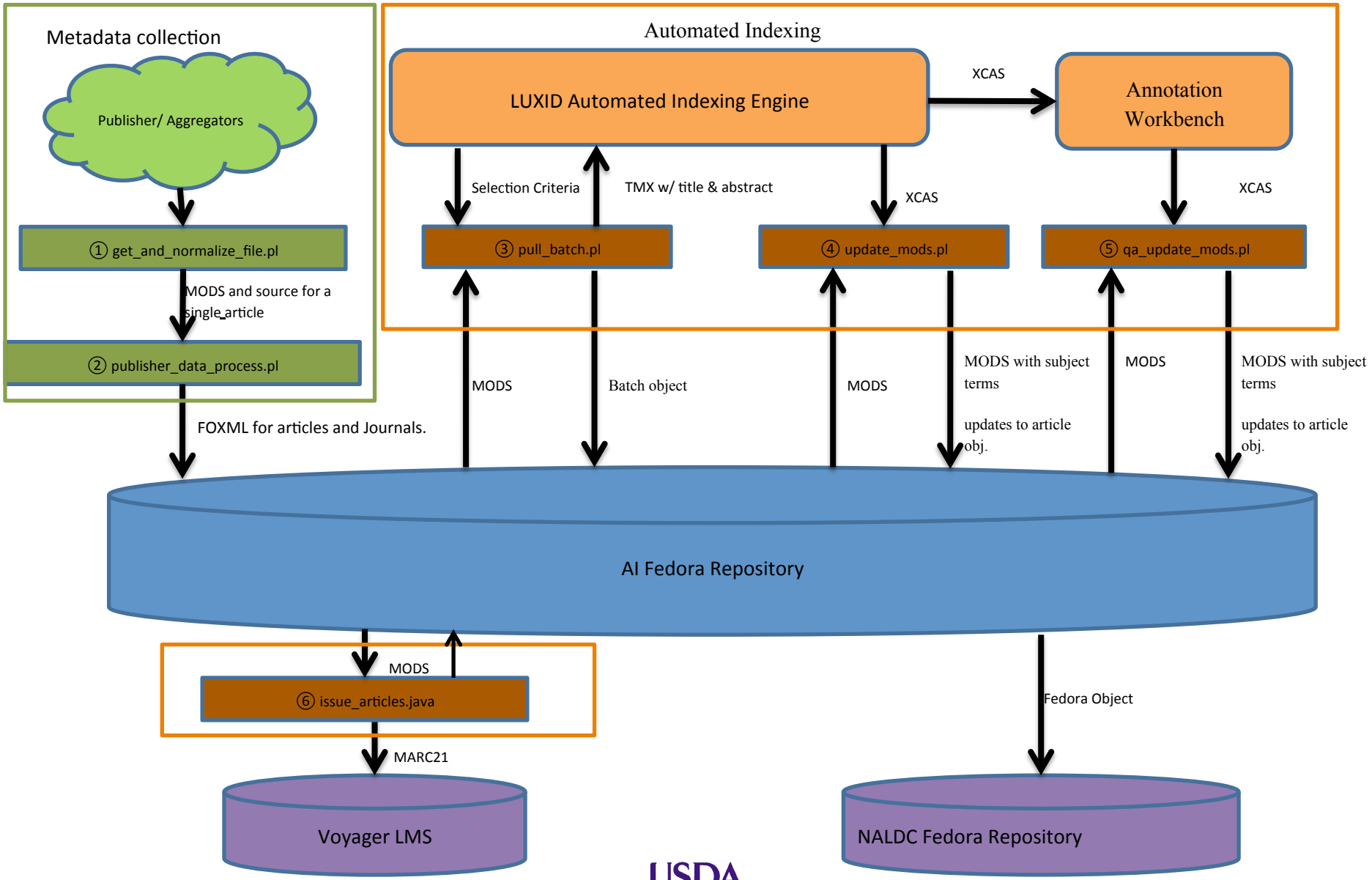
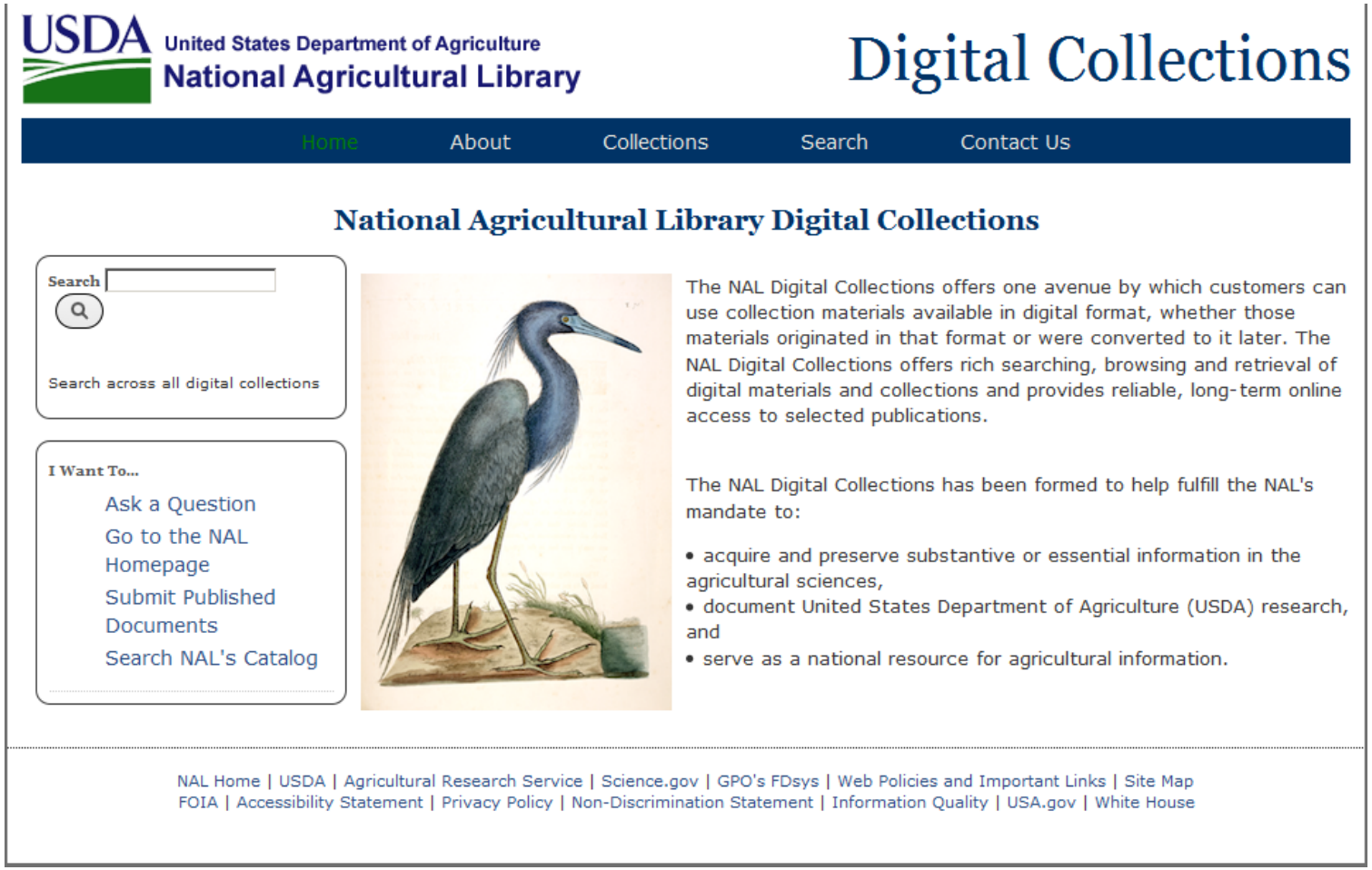
Automated Indexing Workflow



NALDC 2.0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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.
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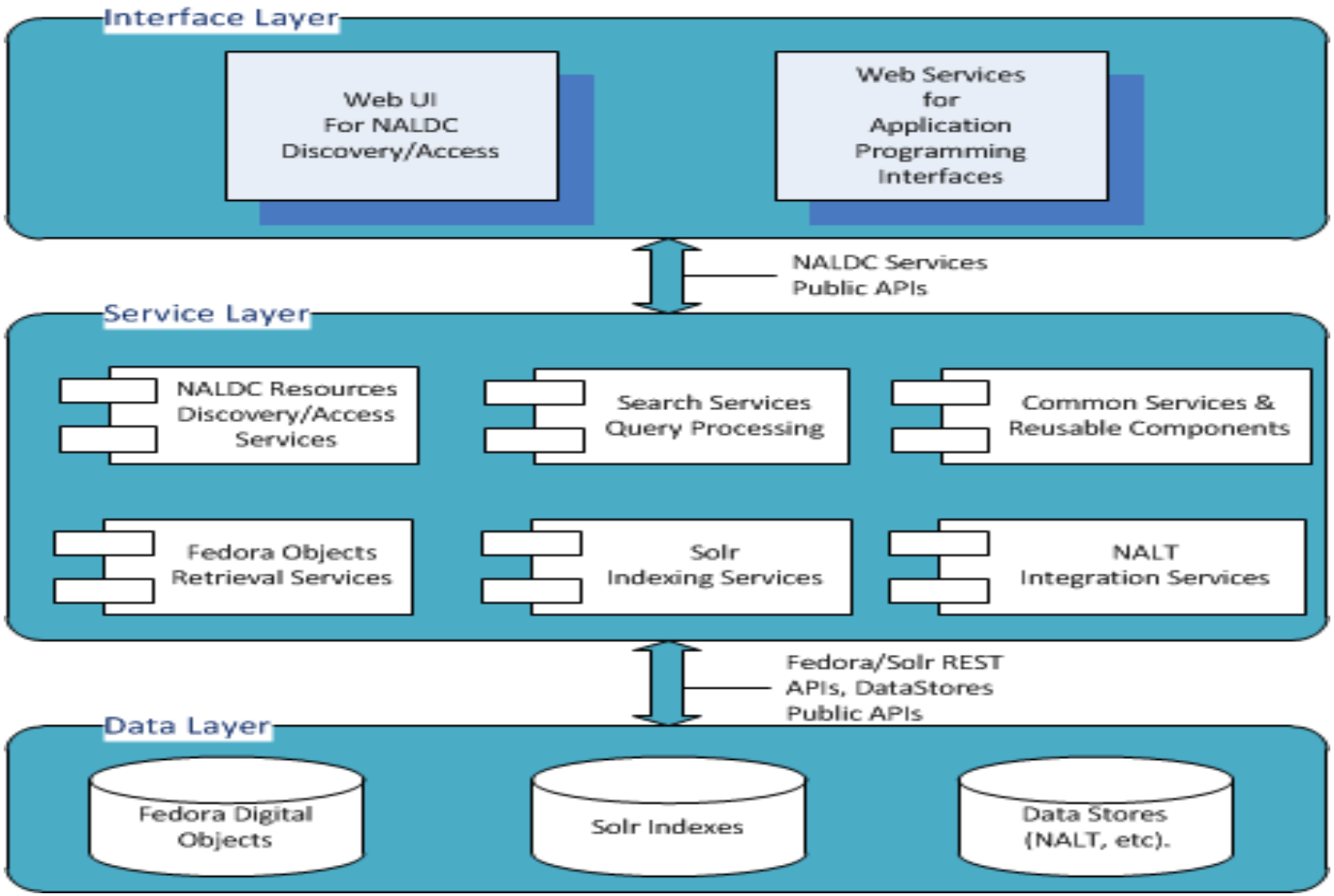
NALDC 2.0 logical layers



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.

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