

# Islandora: Mining the Open Source Ecosystem for Data

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*Managing Digital Content*

# Agenda

- Why Open Source?
  - Sustainability & Reliability
- Islandora
  - Community
  - OAIS
  - Framework

# Introductions

- Hi, I'm Erin ...
  - Since 2011, I've been involved in the Islandora project
  - I've been involved in close to 30 different Islandora projects
  - Employed at discoverygarden, partner in the Islandora Foundation

# Why Open Source?

# Why Open Source?

## **Sustainability**

- Public documentation
- Reduced reliance on vendors
- User driven community (Accenture, 2009a).

## **Reliability**

- Maturity in Open Source Communities
- Implementation of quality assurance processes
  - Fixing security bugs (Accenture, 2010).

# Reasons For Continued Resistance

- **Lack of training**  
(Accenture, 2009, para. 8).
- **Lack of senior management support**  
(Accenture, 2009, para. 8).
- **insufficient open source alternatives**  
(Accenture, 2009, para. 8).

It's worth it  
to invest in people and  
ideas  
instead of licenses.

# Islandora Community



<https://groups.google.com/forum/#!forum/islandora>





# Islandora Interest Groups

- Preservation Interest Group
  - Mandate: “[...] develop and communicate a common approach to address preservation within the Islandora framework.”
- Fedora 4 Interest Group
  - Mandate: “[...] discuss Fedora 4 in the context of Islandora and develop a plan for integration

# Islandora Open Source Software Stack

- Web interface (Drupal)



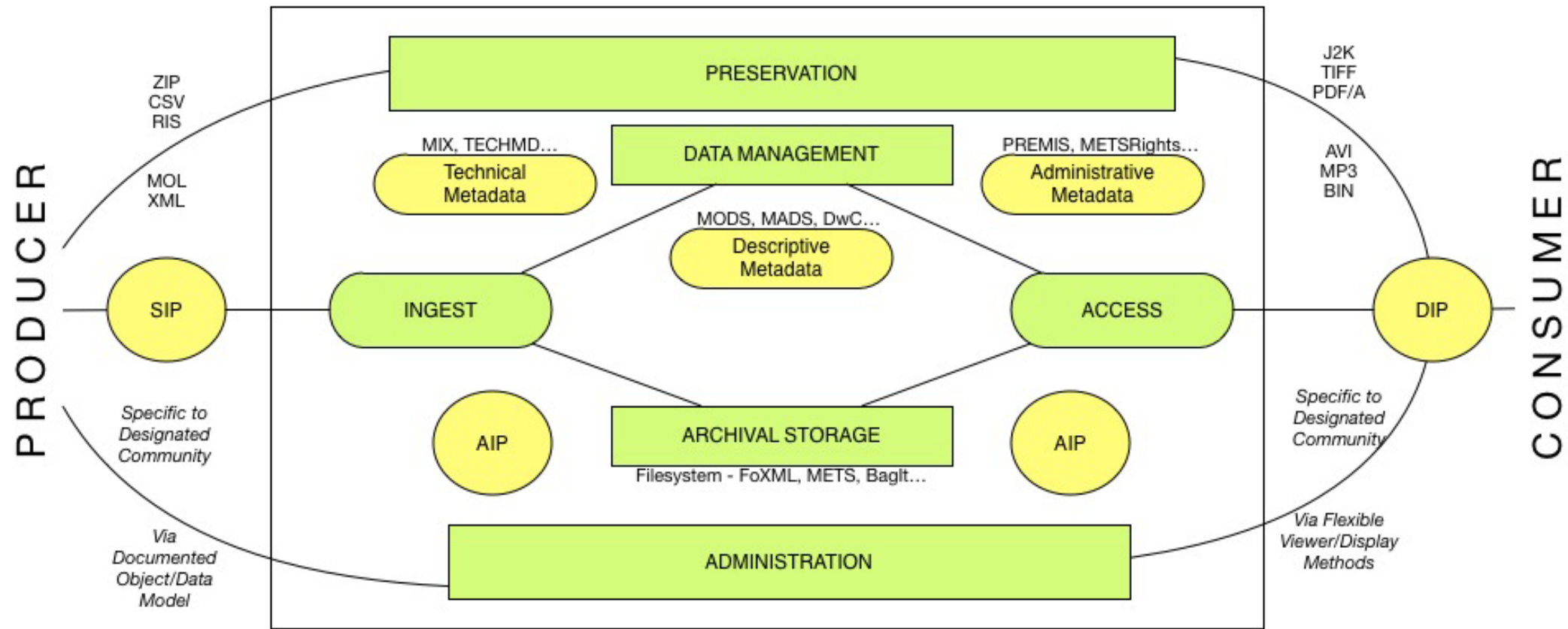
- Search (Solr)



- Preservation (Fedora)



# Islandora and OAIS



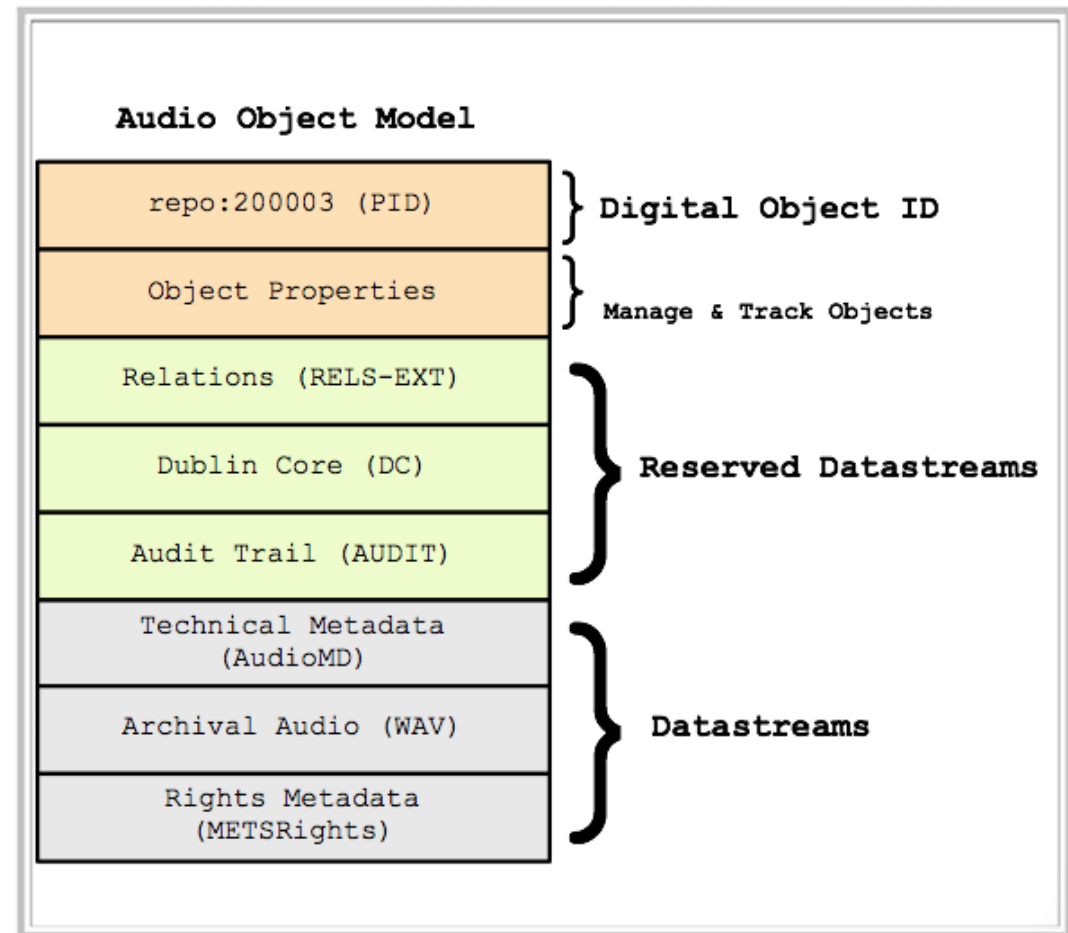
DRUPAL ----- FEDORA ----- ISLANDORA ----- FEDORA ----- DRUPAL

DIGITAL ASSET MANAGEMENT

# Islandora Solution Packs

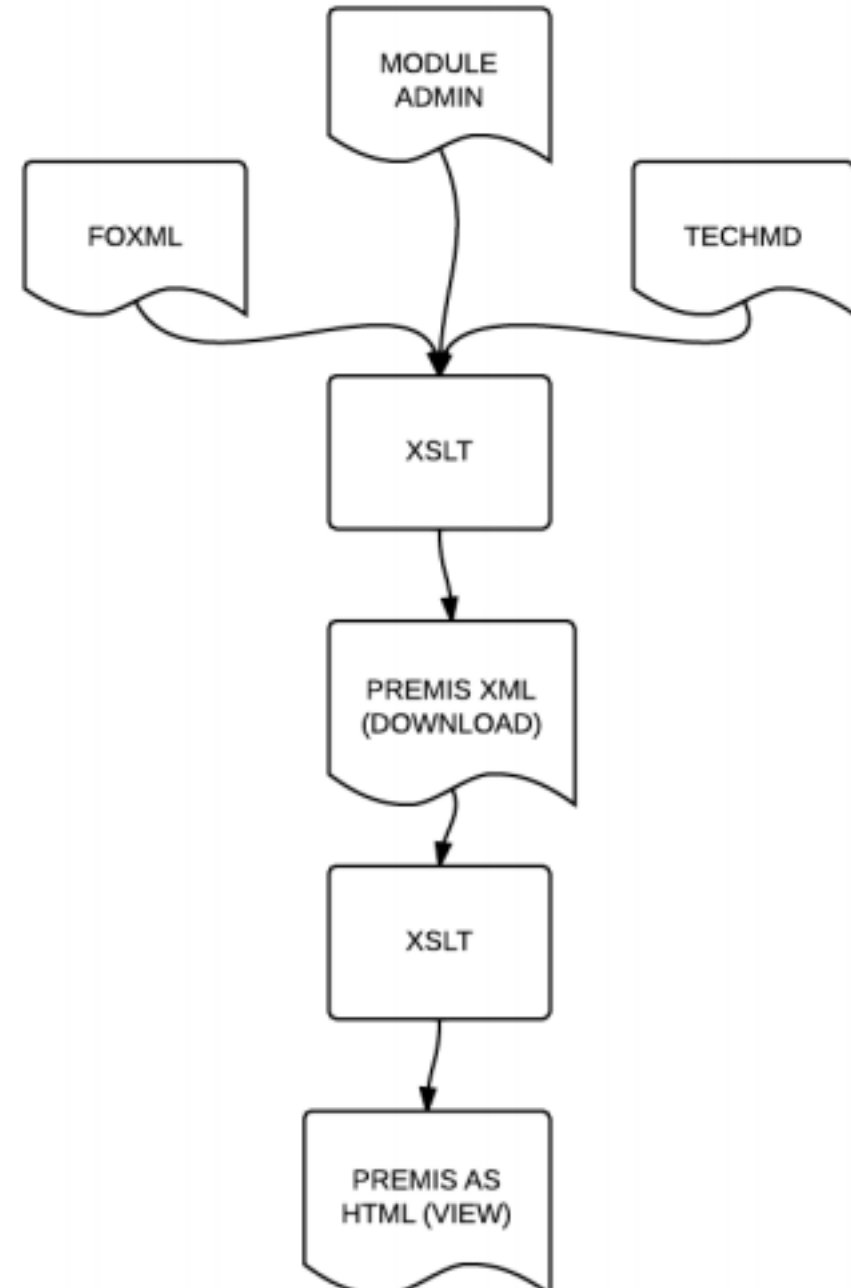
- Solution Packs

- Standard Image
- Large Image
- Book
- Newspaper
- PDF
- Audio
- Video
- Binary/File
- Compound
- Entity (person, place, event, organization)



# New Developments

- Fixity and File Format Identification
  - Islandora Checksum
  - Islandora FITS
- Data Integrity
  - Islandora Checksum checker
- Bitstream/Object Replication
  - Islandora BagIt
- Preservation Metadata
  - Islandora PREMIS



Questions ...



# Thank you!

For more information or to schedule a private demonstration of any Islandora functionality please contact [info@discoverygarden.ca](mailto:info@discoverygarden.ca)

