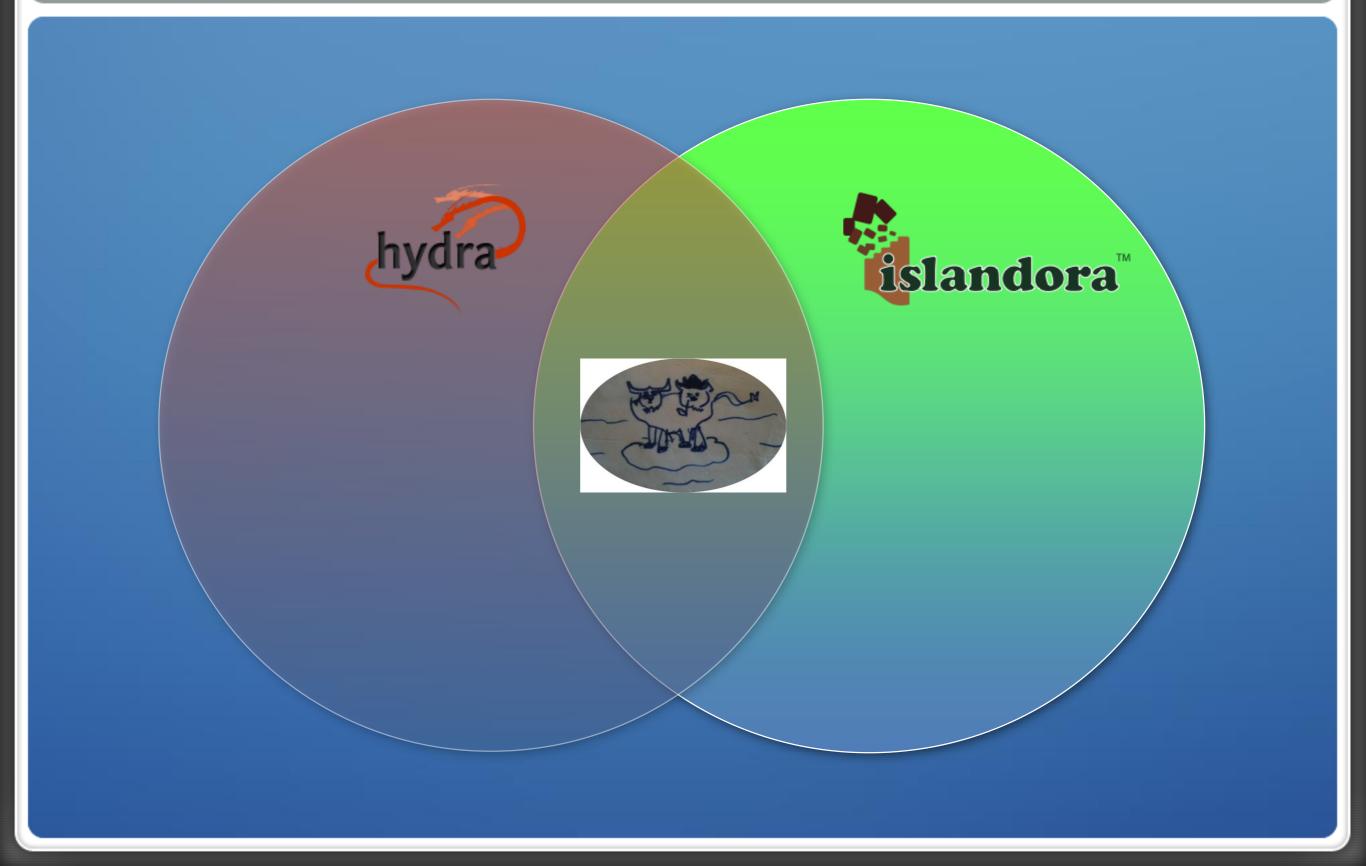
Hylandora

Strategies for Cross-Platform Interoperability Between Hydra and Islandora

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What is Hylandora?

A strategy for cross-framework interoperability.

The overlap of the Hydra and Islandora application frameworks enabling shared code, shared CModels and Object models, shared Objects and shared Views



- 2 Heads / Solution Packs on one Fedora
 - 1 Fedora supporting 1 instance of Hydra and 1 instance of Islandora with separate objects in separate collections
 - More efficient and effective Fedora repo management

- Cross-Platform Read Access
 - Islandora-views of Hydra-created and managed objects + Hydra views of Islandora-created and managed objects
 - Requires cross-platform Rights awareness (solr & Fedora)
 - Map (Hydra) rightsMD onto XACML for Islandora use
 - Have XACML point to rightsMetadata and Fedora would enforce in the usual way
 - Islandora to adopt (Hydra) rightsMetadata

- Drupal Front-End, Hydra Back-end
 - Drupal-input of Hydra objects (via a web-form, e.g.) +
 Drupal views of Hydra objects
 - e.g. a Drupal campus, backed with a Hydra-based repository
 - A Hydra campus wanting to use an Islandora sprout, or Hydra DAM in an Islandora VRE

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- Cross-Platform Management of Objects
 - Islandora management of Hydra-created objects
 - Hydra management of Islandora-created objects

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Other Opportunities

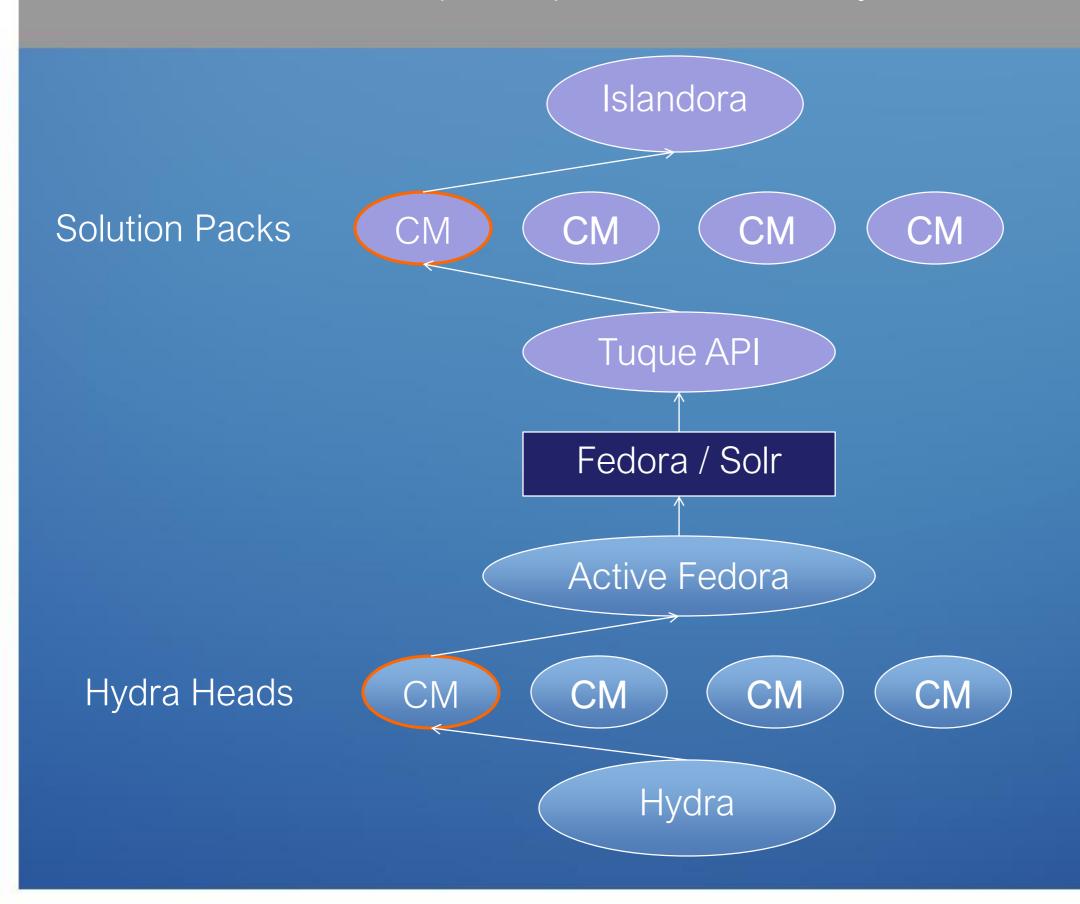
- Shared Object models / datastreams
- Shared CModels (e.g., "books", "collections")
- Shared Code
 - O Disseminators
 - Solrizer
 - Other?

Current Status

- Met several times over the last year
 - RIRI 2011
 - Occided Code 4 Lib
 - Visit to Stanford

Cross-platform Read

- Currently we have cross platform read access
- Ingest with Hydra
- Display with Islandora



Code

• https://github.com/jonathangreen/islandora_solution_pack_hypatia

Shared Datastreams

- Hydra rightsMetadata
 - simple, straightforward XML datastream encoding access control
 - set policy for both solr and Fedora
- o contentMetadata
 - structural metadata for objects (akin to a METS StructMap)
 - o encodes sequence for applications such as page turners
 - O Cmod

Shared Models

- CModels/specs for objects
 - o books, maps, newspaper collections, etc.
- CModels/specs for collections
 - data sets, herbarium collections, etc.

Crosswalks & Shared Code

- O Common SDefs
 - o getImage, getMods, etc.
- Crosswalking via Methods / Disseminators
 - Hydra -> Islandora SDeps
 - Islandora -> Hydra SDeps

Questions

- What use cases / examples do you have of need for Hylandora?
- What's the best way to share content models between frameworks?
- Does it make sense to converge on one metadata scheme for <descMD,contentMD,other>?
- Is rightsMD a useful cross-platform complement to Fedora XACML?