



# Configuring Primo for the audience

ANZREG Seminar, 14 February 2013

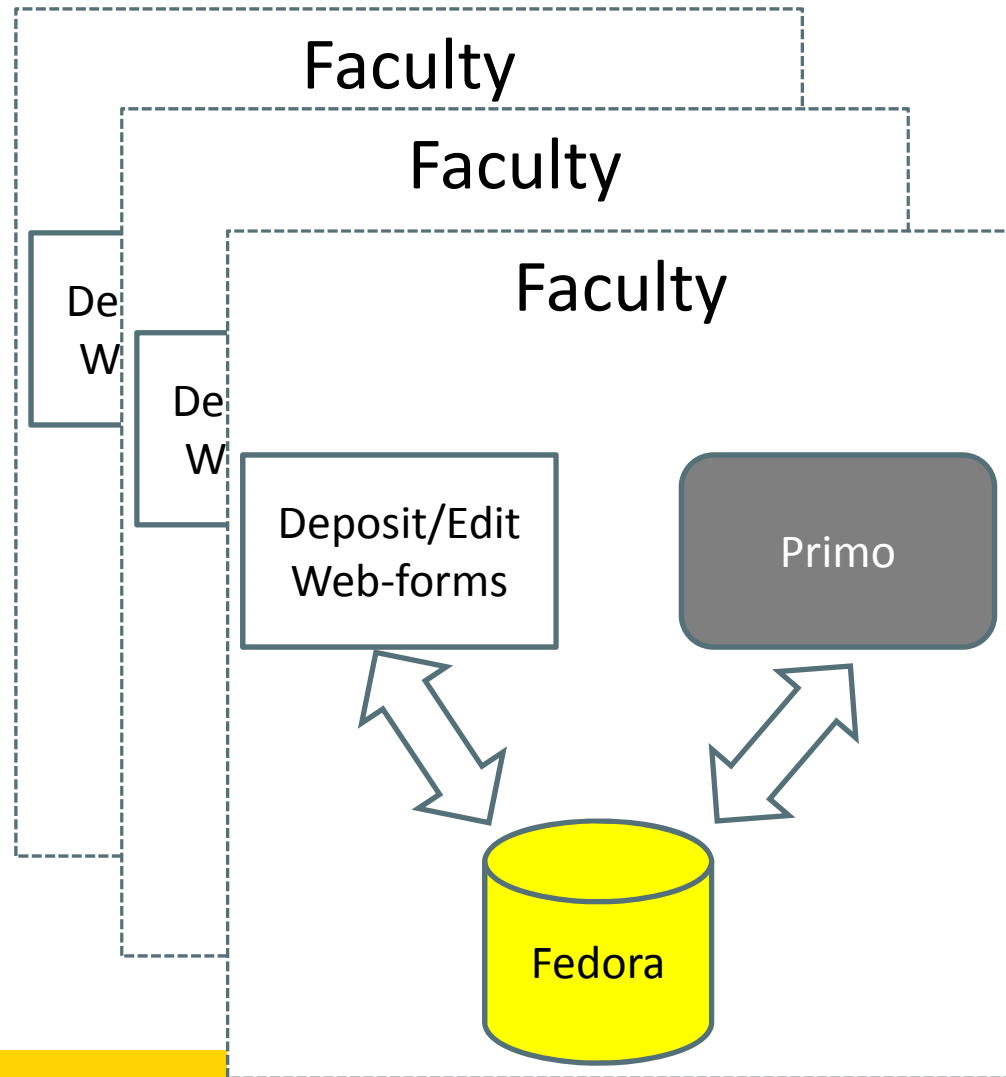
Never Stand Still

UNSW Library

# Background

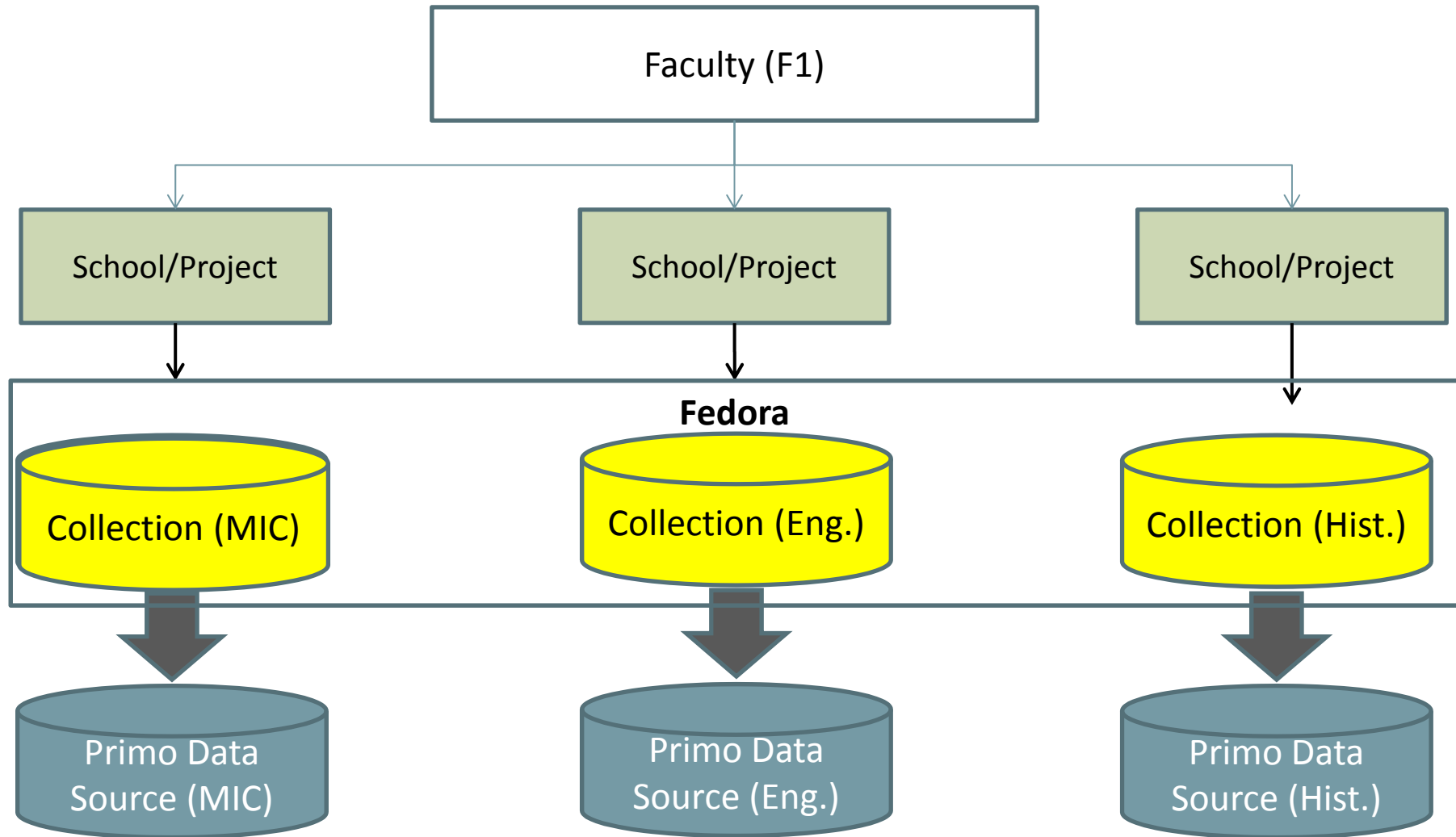
- UNSW Library has an increasingly important role in the management and curation of UNSW research materials
- Library Repository Services (LRS) supports this by providing Web-based repositories to UNSW faculties
  - Primo is used as the search and discovery service
- However, the business model has proven difficult to sustain and scale:
  - ad-hoc or on-demand development of repository;
  - with varying levels of customisations and maintenance requirements.

# The “Multi-repository” Project

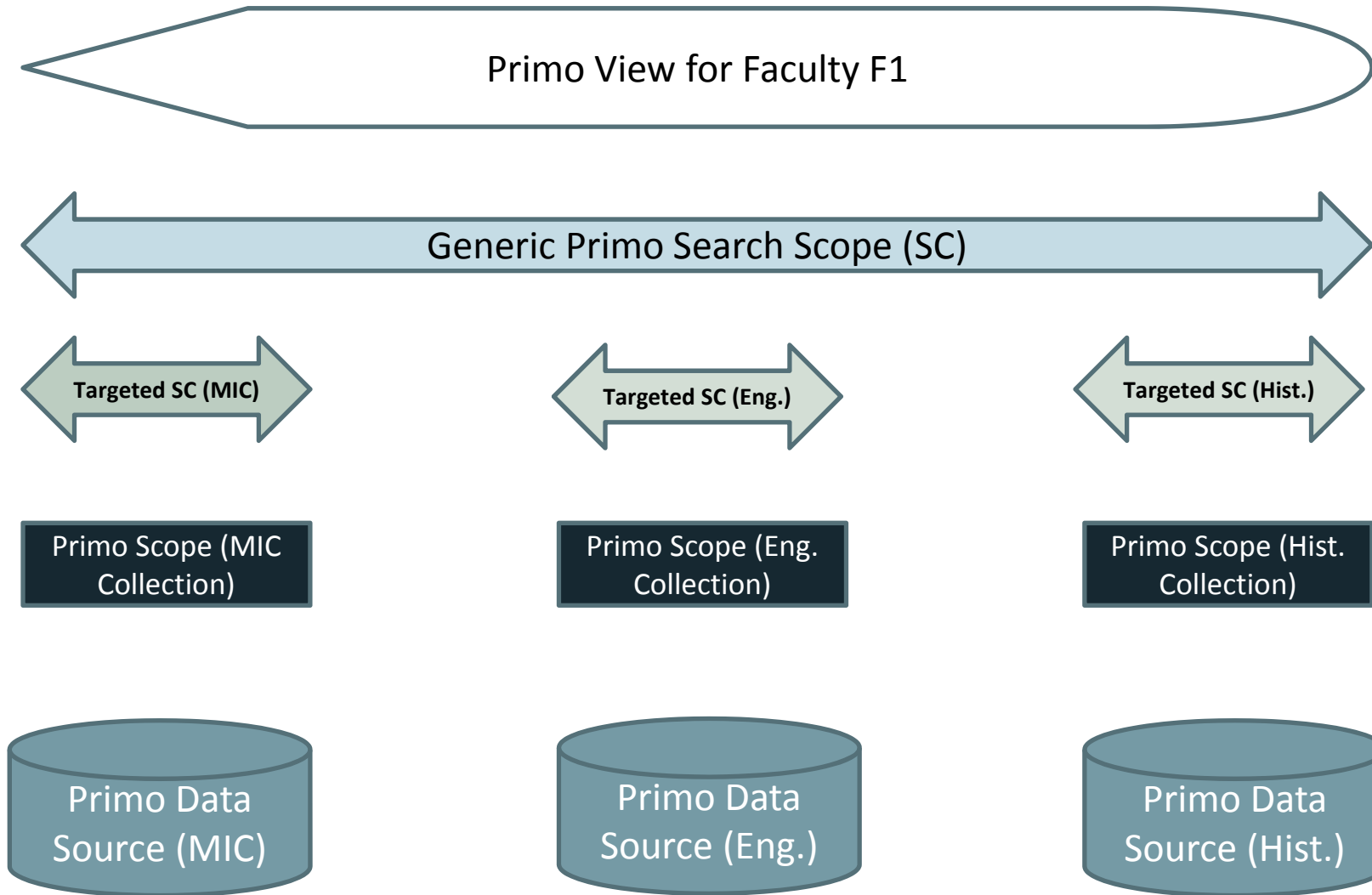


- In 2012, LRS commenced an initiative for developing a more cost effective, sustainable and scalable infrastructure.
- The proposed model provides a standard repository for every faculty.
- Timeframe: Sept 2012 – Sept 2013.

# Primo Integration (1)



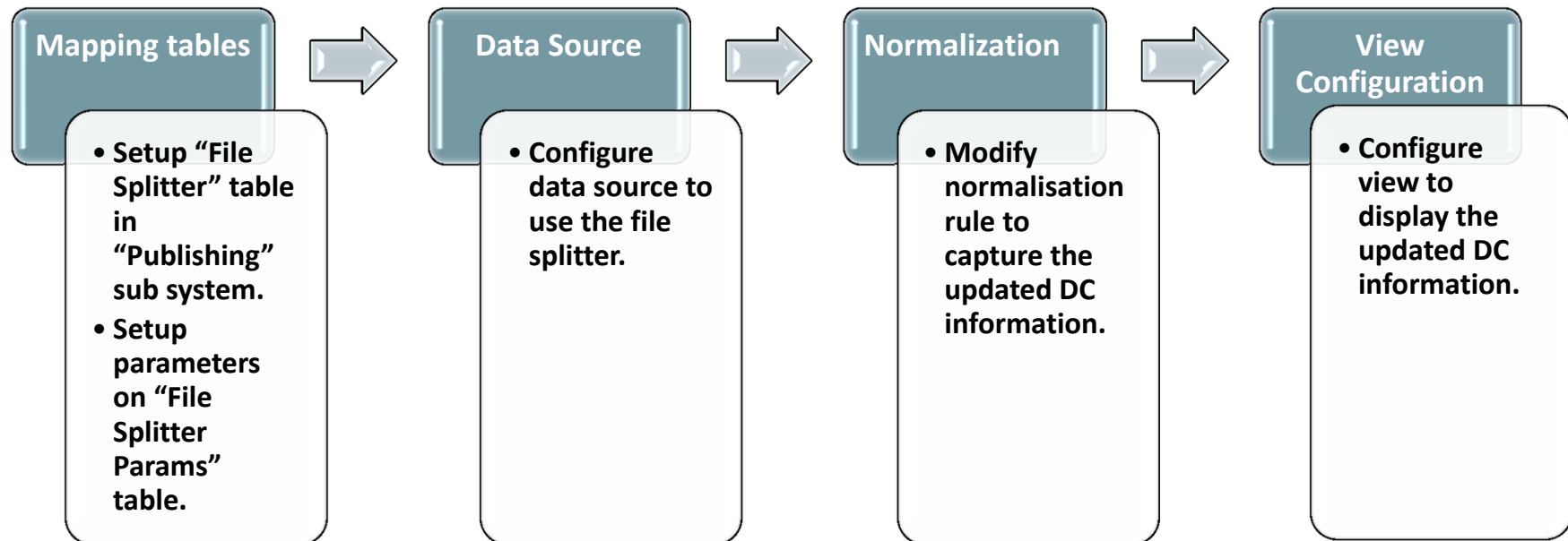
# Primo Integration (2)



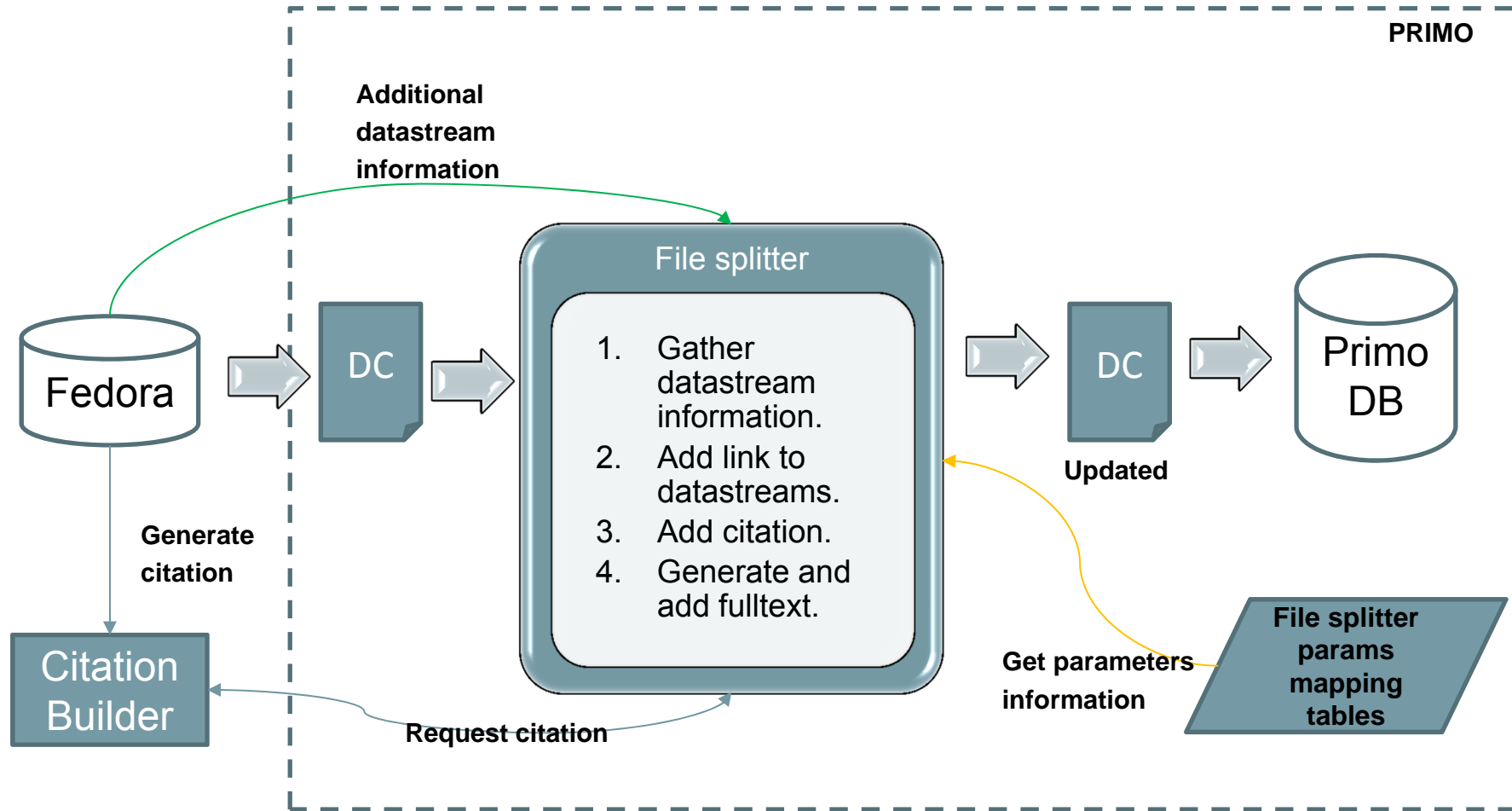
# Standardising Primo Customisation

- Custom fields in Primo detailed view
  - Resource citation information
  - Full-text search of resource
  - Direct access links to resource
- Dedicated tab for displaying Videos in Primo detailed view
- Customisable thumbnails for resources in search result
- Resource-specific advanced search options

# Custom Fields: use of File-splitter



# Custom Fields: File-splitter workflow





# Custom Fields: Updated DC example

```
<?xml version="1.0" encoding="UTF-8" ?>
<oai_dc:dc xmlns:oai_dc="http://www.openarchives.org/OAI/2.0/oai_dc/"
  xmlns:dc="http://purl.org/dc/elements/1.1/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.openarchives.org/OAI/2.0/oai_dc/
  http://www.openarchives.org/OAI/2.0/oai_dc.xsd">
  <dc:title>Public Health Responses to Urgent Case Reports</dc:title>
  <dc:subject>Topic:*Public Health</dc:subject>
  <dc:subject>Communicable Diseases</dc:subject>
  <dc:description>This report published in Health Affairs 30 Aug 2005, evaluates the ability of local public
  health agencies (LPHAs) in the U.S. to meet a preparedness standard set by the U.S. Centers for
  Disease Control and Prevention (CDC): to receive and respond to urgent case reports of communicable
  diseases twenty-four hours a day, seven days a week.</dc:description>
  <dc:type>Website</dc:type>
  <dc:identifier>002:1065</dc:identifier>
  <dc:language>eng</dc:language>
  <dc:relation>URL:http://content.healthaffairs.org/cgi/content/full/hlthaff.w5.412/DC1</dc:relation>
  <dc:title>Citation:<i>Public Health Responses to Urgent Case Reports</i>, &lt;<a
  href="http://content.healthaffairs.org/cgi/content/full/hlthaff.w5.412/DC1">http://content.healthaff
  airs.org/cgi/content/full/hlthaff.w5.412/DC1</a>&gt;.</dc:title>
  <dc:source>File:002:1014;SOURCE01;543.8 MB;video/mp4;A;RD00390.mp4</dc:source>
  <dc:format>http://fedora.library.unsw.edu.au:80/fedora/get/002:1014/SOURCE01</dc:format>
</oai_dc:dc>
```

# Custom Fields: Screenshot

Metal-organic frameworks: functional materials by form and design

Nadeem, Muhammad Arif, Chemistry, Faculty of Science, UNSW

2011

## Details

Send to ▾

**Title:** Metal-organic frameworks: functional materials by form and design

**Author/Creator:** Nadeem, Muhammad Arif, Chemistry, Faculty of Science, UNSW

**Subjects:** Gas storage ; MOFs ; Magnetism

**Resource type:** Thesis

**Type of thesis:** Ph.D.

**Date:** 2011

**Awarding institution:** University of New South Wales. Chemistry

**Description:** A range of metal-organic framework (MOF) materials, consisting of extended structures of coordination polymers incorporating paramagnetic metal ions (Mn(II), Fe(II), Co(II), Ni(II) and Cu(II)), have been synthesized using bridging ligands such as carboxylate-decorated and/or nitrogen containing aromatics. The in situ, ligand transformation of 1,2,3-benzene tricarboxylic acid into isophthalate to form four isomorphous coordination polymers was found to be highly dependent upon the reaction temperature, only occurring at higher temperatures such as 220°C. The structural and magnetic properties of all of the compounds have been studied in detail, with many showing bulk magnetic ordering and magnetic phase transitions. In [Co(bim)(acetate)]<sub>n</sub>, benzimidazole complexation led to antiferromagnetic superexchange interactions between the cobalt(II) ions, however at very low temperatures the magnetic behaviour changed from antiferromagnetic to weak ferromagnetic ordering as a result of spin canting. Similarly, another 3D MOF [Ni(2(pda)(OH)2(H2O))]<sub>n</sub> based on linear 1D Ni(II) chains connected via Ni4O4- cubanes, has been synthesized offering a rare example of a magnetic material in which the magnetic phase transitions (MPTs) are

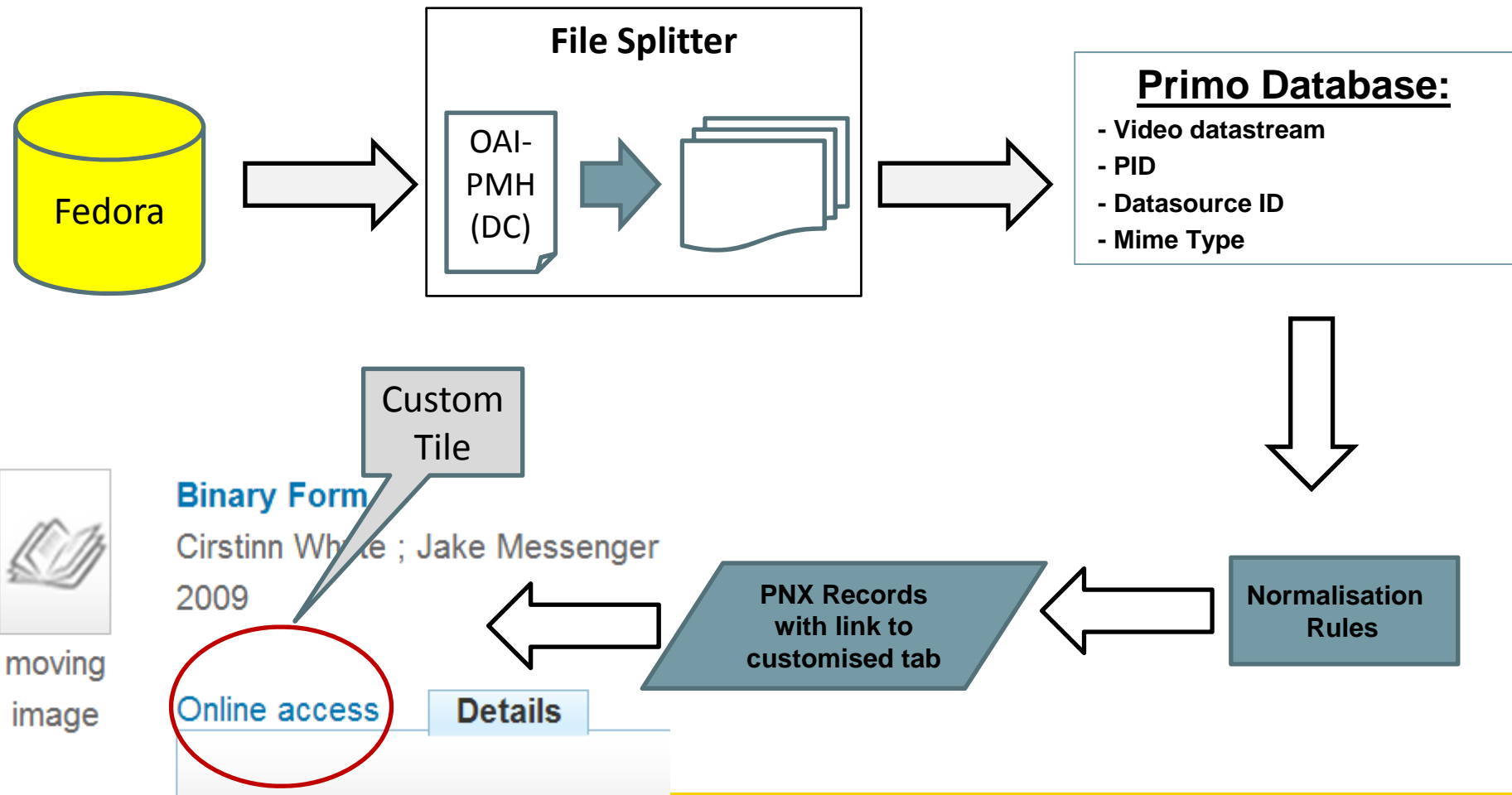
## Links

- > front.pdf [136.83 KB]
- > whole.pdf [2.42 MB]
- > Edit this record
- > Add/Remove attachment



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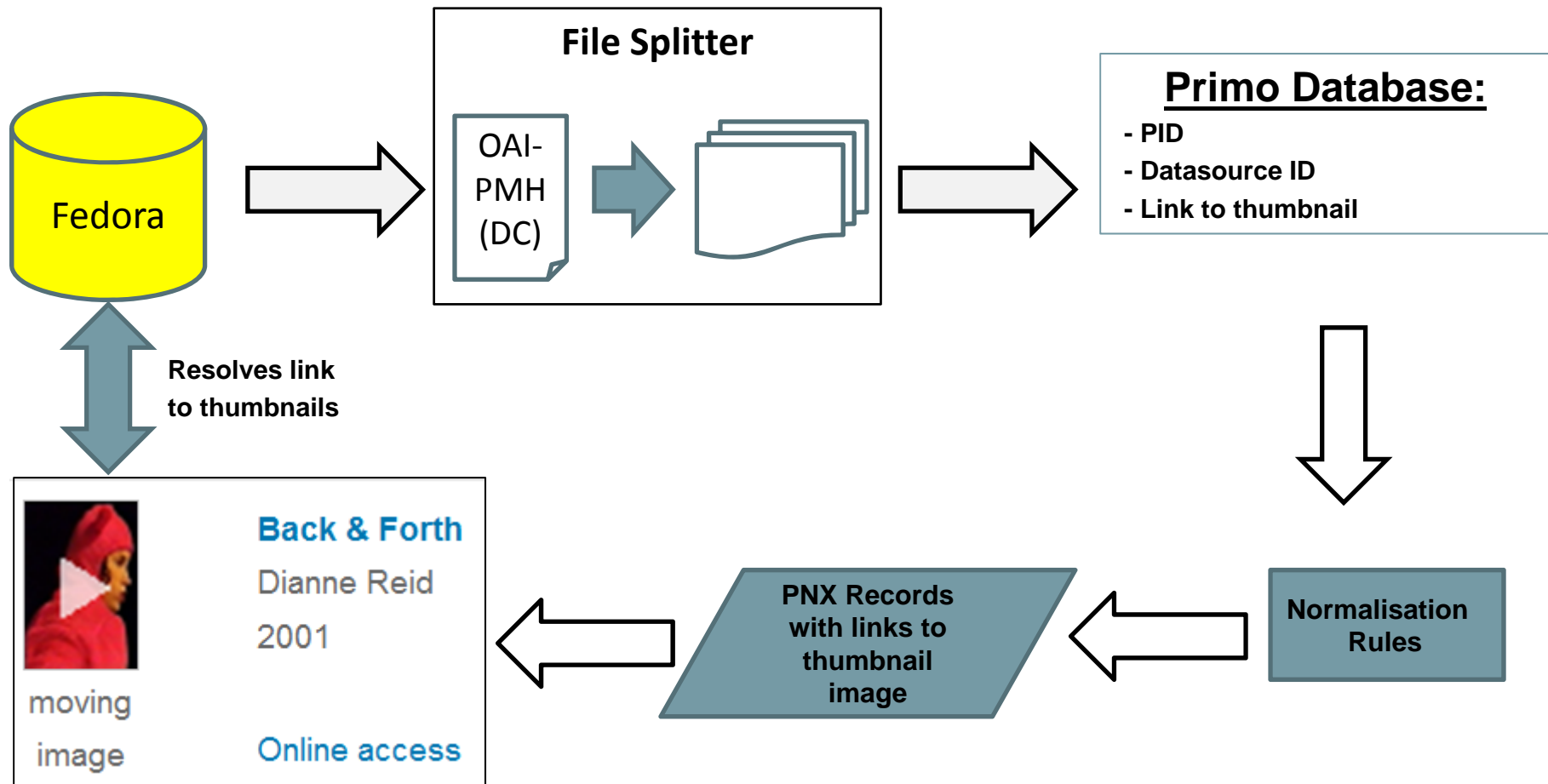
# Video Tab: Set up & Workflow



# Video Tab: Video Playback

- Custom tile containing a .jsp file that embeds video player
- Based on jQuery Lightbox
- Lightbox pops up when “Online access” tab is clicked.
- Lightbox content is the custom tile.

# Custom Thumbnail: Set up & Workflow



# Custom Thumbnail: Normalisation Rule

- Primo uses the “link:thumbnail” normalisation rule to display the thumbnail.
- We can have multiple thumbnails result from normalisation rule and only the first available one will be displayed on frontend.

|                 |                 |           |                                  |
|-----------------|-----------------|-----------|----------------------------------|
| links:thumbnail | 2               |           |                                  |
| Type            | Field           | Attribute | Value                            |
| XML             | dc:source       |           | MERGE- Merge to single PNx field |
| Type            | Value           |           |                                  |
| Constant        | \$\$Tfass_thumb |           | Add single PNx field             |
| Type            | Field           | Attribute | Value                            |
| XML             | dc:source       |           | Add single PNx field             |
| Comments        |                 |           |                                  |

# Custom Thumbnail: Mapping tables to setup link template

- The link/thumbnaill NR only accepts template for constant thumbnaill.
- The template can be configured in mapping table:

## > Mapping Tables

Update for Owner: Library Repository Services

Sub System : Delivery

Table Name : Templates

### Mapping Table Rows

| Enabled                             | Code*        | Template Code   |
|-------------------------------------|--------------|---|
| <input checked="" type="checkbox"/> | custom_thumb | http://stcd.library.unsw.edu.au/fapi/datastream/{{display/l ds50}}/{{display/l ds49}} |

# Custom Thumbnail: Sample NR rule

1

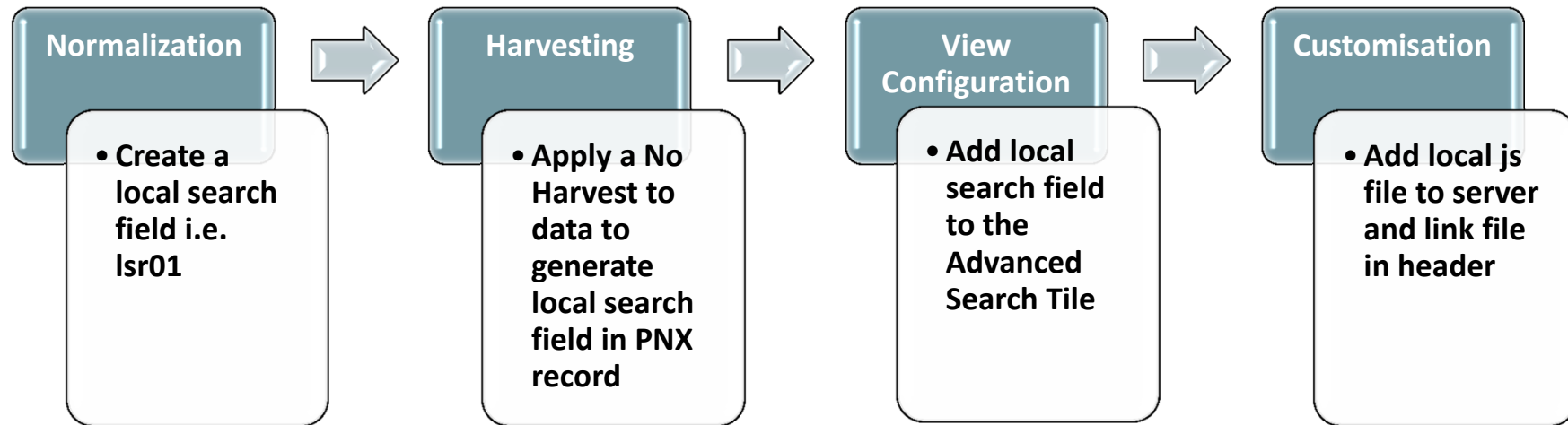
| Type       | Value  |
|------------|--|
| Constant ▾ | <input type="text" value="\$Tcustom_thumb"/> |

| Transformation | Parameter              |
|----------------|------------------------|
| Copy As Is ▾   | <input type="text"/> + |



# Custom Advanced Search



The local JS file removes the text field for a selected search box and replaces it with a drop down menu of labels that correspond to select data from the local search field

# Custom Advanced Search

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Any contains [ ] Date: Any year [ ]

Any contains [ ] Resource Type: All items [ ]

Duration: Any Duration [ ]

- Any Duration
- 00:00 - 09:59 minutes
- 10:00 - 19:59 minutes
- 20:00 - 29:59 minutes
- 30:00 - 39:59 minutes
- 40:00 - 49:59 minutes
- 50:00 - 59:59 minutes
- Over 60:00 minutes
- No duration indicated

Search

Start Date: Day [ ] Month [ ] Year [ ]

End Date: Day [ ] Month [ ] Year [ ]

Topic Search: [ ]

Policy | International Studies | European History

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HRH Knowledge Hub School of Public Health & Community Medicine Faculty of Medicine Knowledge Centre

Search again

Any contains [ ] Date: Any year [ ]

title contains [ ] Start Date: Day [ ] Month [ ] Year [ ]

creator/contributor contains [ ] End Date: Day [ ] Month [ ] Year [ ]

Subject: Any topic [ ]

Region: Any region [ ]

Organisation Type: Any organisation type [ ]

in subject [ ] contains [ ]

- Any organisation type
- Academic
- NGO
- Government
- FBO
- Community
- Donor
- United Nations
- Cross Government

Search Simple Search

Topic Search: [ ]

Information systems | Legal issues | Management and performance | Migration | Planning tools | Policy and planning | Roles and fu

# Key Challenges

- Embedding video player in Primo front-end
- Lightbox integration; difficult to re-purpose Primo's Lightbox library
- Functional customisation to Primo front-end requires:
  - programming skills, such as JQuery and Javascript
  - increased maintenance effort- e.g. regression testing at upgrades

# Future work

- Integrating Primo with a dedicated streaming media server
- Customising Primo URLs for directly accessing resources
- Harvesting records in non-DC formats, such as MODS and RDF.
- Use of FRBR for dynamic versioning of records in Primo database

# Acknowledgement

- Harry Sidhunata
- Abbey Murray

# Thank you!

Arif Shaon

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