



Metadata Quality Module

METADATA QUALITY ISSUES ?

As a result of batch imports or a multitude of individual item submissions, the quality of the metadata in the repository often declines.

Arising problems include faulty notations of author names and unconventional abbreviations, due to errors during entry or character set conversions.

Another possible severe issue is the presence of duplicate information, especially when the repository's data is being used for statistics and evaluation.



This document describes the **Metadata Quality Module** functionality, available for public evaluation at **@mire Labs** (<http://atmire.com/labs>).

@MIRE'S METADATA QUALITY MODULE ...

... provides **powerful batch-edit features** that enable administrators to modify a multitude of metadata fields on a selection of repository items.

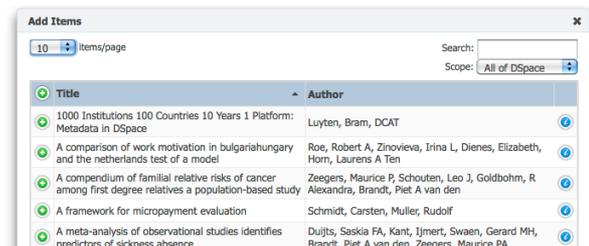
... has **duplicate detection and resolving functionality** that both aid to free the repository from duplicates and to ensure that the repository remains free of duplicates afterwards.

... is sold at a **fixed price**, without annually recurring license fees, **including installation** in your DSpace repository environment and one year of **updates and bugfixes**.

BATCH-EDITING

Powerful batch-edit features enable instant modification of a multitude of metadata records in a repository. Repository managers, responsible for the repository content and quality, **use the metadata quality module to optimize the task of performing corrections or enhancements**.

The item selection dialog offers a fast way to search the repository or select full collections of items to perform your batch edits on.



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The screenshot shows the 'Automated Edit' tab of the metadata editor. It features two sections: 'Item Actions' and 'Item Mapping'. Under 'Item Actions', there are two rows of controls. The first row has a 'remove' dropdown, a text input 'the property', a 'dc.citation' dropdown, and a 'if that property contains' dropdown with 'Hemker' entered. The second row has an 'insert' dropdown, a text input 'Hemker C.', an 'in to the property' dropdown, and a 'dc.citation' dropdown. Below these are 'if that property doesn't exist yet' dropdowns. The 'Item Mapping' section has 'Remove from collection(s)' and 'Add to collection(s)' links, and a 'Perform' button.

Automated Edit enables you to perform simultaneous edits on all of the items in your selection. This can also be used to map or move all of the selected items to specific collections

Manual Edit features an enhanced Metadata Edit page in which the fields can be individually edited either according to the submission form style or the common edit style without any format verifications or restrictions.

The screenshot shows the 'Authors' section. It includes a 'Standard view' link, a text input for names, and an 'Add' button. Below are fields for 'Last name, e.g. Smith' and 'First name(s) + "Jr", e.g. Donald Jr'. There is a checkbox for 'Hemker, H.C.' and a 'Remove selected' button. At the bottom are 'Cancel' and 'Save' buttons. Below the authors section are two rows of metadata: 'Date Accessioned (dc.date.accessioned)' and 'Date Available (dc.date.available)', both with values '2009-02-05T00:51:09Z'.

Furthermore, the enhanced Metadata Edit page features a **navigation overlay** at the bottom of the browser, in which you can easily change to other items you made in your initial selection. When you are dealing with a large number of metadatafields for each individual item, you can modify the visibility of individual metadata fields. In this way, you can restrict the metadata fields on the page to only those you want to edit right now.

Author (dc.contributor.author)	Hemker, H.C.	
Date Accessioned (dc.date.accessioned)	2009-02-05T00:51:09Z	
Date Available (dc.date.available)	2009-02-05T00:51:09Z	
Date Issued (dc.date.issued)	1983	en
URI (dc.identifier.uri)	https://atmire.com/labs/handle/123456789/6998	
Mesh (dc.subject.mesh)	Medicine	en
Title (dc.title)	About the cost of Opposing the Goumarin-inhibitor theory-reply	en
Type (dc.type)	info:eu-repo/semantics/article	en

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The screenshot shows a dark navigation overlay at the bottom of the browser. It has three main panels: 'Items', 'Visibility', and 'Settings'. The 'Items' panel shows a list of items with 'Add/Remove Items' buttons. The 'Visibility' panel has a search box and a list of metadata fields with visibility icons. The 'Settings' panel has a 'Save Automatically' checkbox, 'Default edit mode' (Standard view and Submission view), and a 'Default language' input field. Navigation arrows and page numbers are visible at the bottom of the overlay.

Bottom navigation for easily navigating to different items in your selection and modifying metadata visibility.

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DUPLICATE DETECTION AND RESOLVING

Duplicate detection and resolving algorithms can free the repository from duplicates and ensure that the repository remains free of duplicates in the future.

The Metadata Quality Module contains functionality integrated in both the administrator's interface and in the item submission process. During submission, the duplicate detection algorithms alert users who are about to submit an item closely resembling items already present in the repository. In the administrator interfaces the repository can be crawled for possible duplicates, which then can be merged.

	Title	Contributors	Issue Date	
<input type="checkbox"/> Item1	Effects of computer training and internet usage on the well-being and quality of life of older adults: a randomized, controlled study	Slegers, Karin, Boxtel, Martin P. J. van, Jolles, Jelle	2008	More Info
<input type="checkbox"/> Item2	The effects of computer training and internet usage on the use of everyday technology by older adults: a randomized controlled study	Slegers, Karin, Boxtel, Martin P. J. van, Jolles, Jelle	2007	More Info
<input type="checkbox"/> Item3	The effects of computer training and internet usage on the use of everyday technology by older adults: a randomized controlled study	Slegers, Karin, Boxtel, Martin P. J. van, Jolles, Jelle	2007	More Info

Merge Compare Delete

Mark all items as unrelated

Potential duplicates were automatically detected and can be selected to start a merge

Compose merged item



+ Items overview

Actions:

Select all metadata from:

Select all bitstreams from:

Select metadata values:

Title (dc.title):

Keep:

None

item1 en Effects of computer training and internet usage on the well-being and quality of life of older adults: a randomized, controlled study

item2 N/A The effects of computer training and internet usage on the use of everyday technology by older adults a randomized controlled study

or compose:

item1 en Effects of computer training and internet usage on the well-being and quality of life of older adults: a randomized, controlled study

item2 N/A The effects of computer training and internet usage on the use of everyday technology by older adults a randomized controlled study

.....

For each metadata field, specific values can be selected or combined in the merge.

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