



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 Metadata Quality Module implements a series of steps allowing fast and safe batch transformations of metadata.

First of all, you will need to **select** those records you want to affect in your batch-edit operation. Granular search, browse and specification techniques can be used to compose this selection.

In the second step you can define both **metadata actions** and **mapping actions**. **Metadata Actions** enable you to *Move, Remove, Insert, Copy or Replace* metadata

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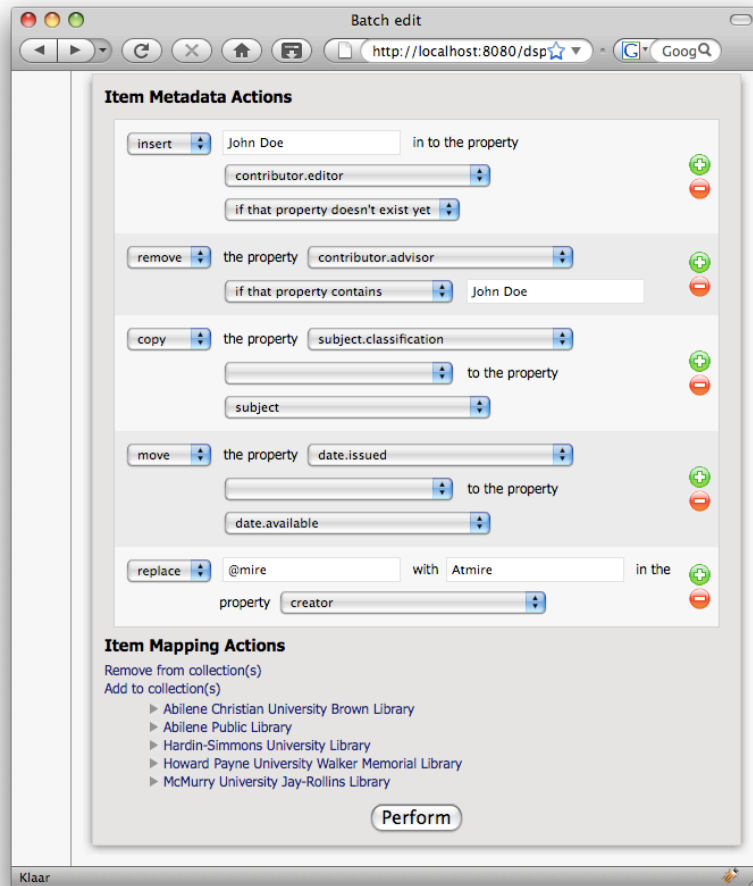
Esperantolaan 4
B-3001 Heverlee
Belgium

2888 Loker Avenue
East, Suite 305,
Carlsbad, CA 92010
U.S.A.

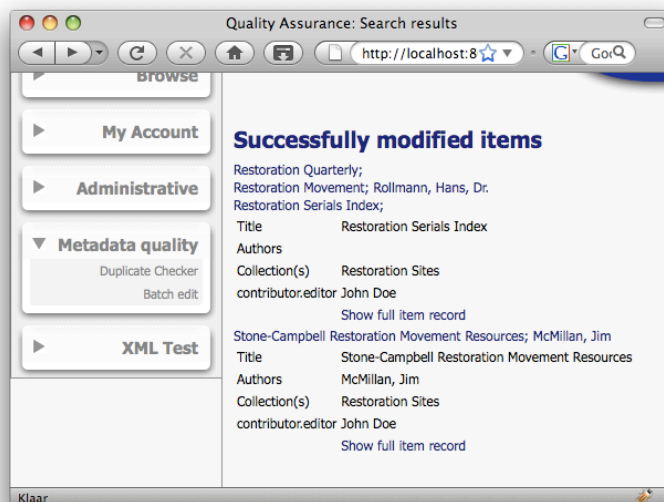
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fields, for the records you want to apply them to. **Mapping actions** enable you to move items between different collections, or associate other collections with these items.



Before the operations are actually executed, you can **preview the results of the actions you specified**. This allows you to verify whether your actions will yield the expected results. Finally, you are presented with the **resultset** of all items, affected by your batch-edit operation.



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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.

Item	Title	Contributors	Issue Date	Actions
<input checked="" type="checkbox"/> 1	My Dear Selina (Richmond, Monday 12th Oct. 1829)	Campbell, Alexander	1829-10-12	More Info
<input type="checkbox"/> 2	My dear Selina (Richmond Oct 5, 1829)	Campbell, Alexander	1829-10-05	More Info
<input type="checkbox"/> 3	My dear Selina (Richmond. Dec 23rd 1829)	Campbell, Alexander	1829-12-23	More Info
<input type="checkbox"/> 4	My dear Selina (Richmond Va. Nov. 4 1829)	Campbell, Alexander	1829-11-04	More Info

Merge Compare Delete

All unrelated

Compose merged item

Items overview

Title	Issue Date	Submitter
Item2 The effects of computer training and internet usage on the use of everyday technology by older adults a randomized controlled study	2007	Lieven Droogmans
Item3 The effects of computer training and internet usage on the use of everyday technology by older adults: a randomized controlled study	2007	Lieven Droogmans

Actions:
Select all metadata from: **Item2** [Select](#)
Select all bitstreams from: **Item3** [Select](#)

Select metadata values:

Title (title):
Keep:
 None
 Item2 The effects of computer training and internet usage on the use of everyday technology by older adults a randomized controlled study
 Item3 The effects of computer training and internet usage on the use of everyday technology by older adults: a randomized controlled study

or compose:

 Item2 The effects of computer training and internet usage on the use of everyday technology by older adults_ a randomized controlled study
 Item3 The effects of computer training and internet usage on the use of everyday technology by older adults_ a randomized controlled study
.....

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