New implementations of and inquiries in features for BORIS

BORIS – Bern Open Repository and Information System

Dirk Verdicchio, Markus Müller
Bern University Library

June 11, 2015 | Open Repositories 2015 | Indianapolis

This work is licensed under a Creative Commons Attribution 4.0 International License.
Contents

• Intro
  • University of Bern, BORIS & how we get feedback

• New developments
  ① Watermarks on downloaded documents
  ② Eprints displays local time instead of UTC
  ③ Change notification by email
  ④ Using Sherpa/Romeo API to validate copyright

• Appendix
  • BORIS @ GitHub
Find our code at GitHub

BORIS @ GitHub

① Watermarks on downloaded documents

- Components changed
  - ./archives/BORIS/cfg/fgd/watermark.pl
  - ./archives/BORIS/cfg/lang/en/phrases/watermark.xml
  - ./archives/BORIS/cfg/plugins/EPrints/Plugin/Convert/AddWatermark.pm

- GitHub Refs
  - https://github.com/UB-Bern/boris/commit/c4bac04ae0ba1b2a4f867e34294e2cd72b6b57e1
  - https://github.com/UB-Bern/boris/commit/b9858d6708475f2b3b0c3abdd5f226f8405ebd31
  - https://github.com/UB-Bern/boris/commit/5324683459151a6d507a1902729207cf47c7966d
  - https://github.com/UB-Bern/boris/commit/126327f7964fb12d72a78f9c210ac1c2cbfa77a3
  - https://github.com/UB-Bern/boris/commit/8a989c65801ee23dd89779bff67191f43c6df0a
  - https://github.com/UB-Bern/boris/commit/8611e3bde899cf38a3ab1d5ee1d52d899b8ed72c
  - https://github.com/UB-Bern/boris/commit/5ee8ead445a9a6a23754cc6df7535ef2ba1f60f9
University of Bern

- Students: 17'428
- Faculty: 2’413 FTE
- Publications/year: ≈ 6’500
BORIS – Bern Open Repository and Information System

- 2012: Open Access Policy
- Nov. 2013: Institutional Repository
  - Hosted by the university’s IT services
  - Software: EPrints
  - Customization made by Eprints Services

- Aims
  - Open Access repository
  - Platform for submitting publication data to research evaluation
  - Providing information about research projects (future)
BORIS Team

- Library
  - Nicole Bögli
  - Markus Müller
  - Regula Oppliger
  - Regula Schatzmann
  - Désirée Stalder
  - Andrea Stettler
  - Jan Stutzmann
  - Dirk Verdicchio

- IT services
  - Christian Friedli
  - Bettina Schmidt

- External partner
  - Peter West (Digital Repository Services)
Feedback channels

• Courses:
  • Regular course offer for submitter and for editors
  • «Inhouse» courses for institutes or research groups
• Ticketing system
• Mailing list for editors
• BORIS-Team is working close together with the Center for Development and Environment (CDE) and the Institute of Social and Preventive Medicine (ISPM)
• BORIS-Team is working close together with Vice-Rectorate Research and the Dean’s Office of the Medical Faculty which are responsible for research evaluation
• Workflow allows contact to different user groups and stakeholders
Regular contact to stakeholders

<table>
<thead>
<tr>
<th>Insert/import metadata &amp; full text</th>
<th>Control metadata</th>
<th>Publication rights, embargos, licenses</th>
<th>Inform researchers</th>
<th>Check completeness of publications</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submitter (Researchers/Delegates)</td>
<td>Editors (Librarians, Delegates)</td>
<td>BORIS-Team/Researchers</td>
<td>Q-Assistants</td>
<td>Researchers</td>
<td>Vice-Rectorate Research &amp; Dean's office of the med. faculty</td>
</tr>
</tbody>
</table>
Watermarks on downloaded documents

- Why Watermarks?
  - Information about the origin of download
  - No hindrance for indexing (compared to cover sheets)\(^1\)
  - No waste of paper

Watermarks on downloaded documents

- Component generates a PDF with watermark added
- Original document is not altered
- Download item is cached; regenerate when date changes
Eprints displays local time instead of UTC

- Eprints time zone UTC vs local time zone CET

- Problems:
  - Makes it more difficult to trace and communicate changes
  - Users are irritated and think the repository does not work properly

- Solution:
  - Display local time
② Eprints displays local time instead of UTC
Eprints displays local time instead of UTC

- Approach: https://github.com/eprints/eprints/issues/194

```perl
../perl_lib/EPrints/Time.pm
```

Currently the "Last modification" date and other dates are displayed as they are stored in the database - in UTC time zone. It would be more sensible to render them in server's local time zone instead (our users complained about it).

Looking at documentation of EPrints::Time::render_date, it seems that it was intended so, but the implementation doesn't match spec. I suggest the following patch:

```perl
@@ -419,6 +419,9 @@
     return $session->html_phrase("lib/utils:date_unspecified" );
 }
 + # Convert UTC to local time zone, trim result to original resolution:
+ @l = @([ local_datetime(datetime_utc(@l)) ])[0..$#l];
+ my( $year, $mon, $day, $hour, $min, $sec ) = @l;
 + # 1999
```
Change notification by email

Problem
- Only creators can make changes to items in the live archive
-Creators who are not depositors cannot make changes to their items
- Since the items in the live archive are basis for research evaluation we need to know about any modifications made in the live archive

Solution
1. Change ownership settings: Every contributor identified as member of the University is allowed to make changes
2. Implement a notification system that informs the original depositor and the BORIS team about modifications in the live archive
Change notification by email

- **Requirements (excerpt)**
  - The system alerts the depositing user by Email on changes to an item while being in «Live Archive»
  - The system checks for changes at regular intervals
  - Authors being UniBE affiliates must be able to make changes to their contributions even when the item was submitted by some other person
To the depositing user:

This is an automatically generated change notification from BORIS

- Item: Test IR-265
- Item URL: http://boris-dev.unibe.ch/1292/
- Item type: Journal Article
- Date deposited: 30 Oct 2014 09:25
- Depositing user: Markus Müller
- DOI:
- PubMed ID:
- official URL
- related URL
- Date of modification: 30 Oct 2014 10:14
- Modifications made by:
  - Markus Müller
- Track modifications: History

Modified fields:
Item Status, Last Status Change, Metadata checked, Language, Item ID, Depositing User, Revision

For questions regarding this message please contact the BORIS Team (boris@ub.unibe.ch).

BORIS
http://boris-dev.unibe.ch/
Contact us at boris@ub.unibe.ch

To further addressees:

$ ./report_status_change BORIS --send_report --day
Using Sherpa/Romeo API to validate copyright

- Starting point
  - University’s policy mandates upload of full texts
  - Obligation to check compliance with publisher policies

- Intention
  - Simplify and accelerate the process of reviewing the self archiving policies
  - Convincing researchers to upload their texts
Using Sherpa/Romeo API to validate copyright

- Approach
  - Lookup for publisher’s policies through Sherpa/Romeo API when uploading full text by depositing user
  - Query by ISSN / Journal Title / Publisher

- Experience
  - Plugin works very well
  - Depositing users fell unable to cope with the setting

- Outcome
  - Plugin is a valuable aid to repository team for validation
Using Sherpa/Romeo API to validate copyright

- Journal Title: Science of computer programming
- Journal Title Abbreviated: SCI COMPUT PROGRAM
- ISSN: 0167-8623
- Publisher: Elsevier

Sherpa Romeo Lookup

Data refers to: The Journal
Matched journal: Current title (Science of computer programming) does not match Sherpa Romeo title (Science of Computer Programming) or it is not specified
Matched ISSN: 0167-8623
Matched Pub: Elsevier
RoMEO: This is a RoMEO green journal
Author's Pre-print: author can archive pre-print (i.e. pre-refereeing)
Author's Post-print: author can archive post-print (i.e. final draft post-refereeing)
Restrictions: Publisher's Version/PDF: author cannot archive publisher's version/PDF

Archiving policy
- Green: Can archive pre-print and post-print or publisher's version/PDF
- Blue: Can archive post-print (i.e. final draft post-refereeing) or publisher's version/PDF
- Yellow: Can archive pre-print (i.e. pre-refereeing)
- White: Archiving not formally supported

More on colours and restrictions

Update
View all publishers

June 11, 2015 | OR2015 | Indianapolis
Aknowledgements

Peter J. West
Digital Repository Services Ltd
pjw@repositoryservices.co.uk
http://repositoryservices.co.uk/index.html
Thank you!
Watermarks on downloaded documents

- Module used
  - PDF-API2-2.019

- Components changed
  - ../archives/BORIS/cfg/cfg.d/watermark.pl
  - ../archives/BORIS/cfg/lang/en/phrases/watermark.xml
  - ../archives/BORIS/cfg/plugins/EPrints/Plugin/Convert/AddWatermark.pm

- GitHub Refs
  - https://github.com/UB-Bern/boris/commit/c4bac04ae0ba1b2a4f867e34294e2cd72b6b57e1
  - https://github.com/UB-Bern/boris/commit/b9858d6708475f2b3b0c3abdd5f226f8405ebd31
  - https://github.com/UB-Bern/boris/commit/5324683459151a6d507a1902729207cf47c7966d
  - https://github.com/UB-Bern/boris/commit/126327f7964fb12d7a78f9c210ac1c2cbea77a3
  - https://github.com/UB-Bern/boris/commit/8a989c65801ee23dd89779b6f67191f43c6dfd0a
  - https://github.com/UB-Bern/boris/commit/8611e3bd899cf38a3ab1d5ee1d52d899b8ed72c
  - https://github.com/UB-Bern/boris/commit/5ee6ead445a9a6a23754cc6df7535ef2ba1f60f9
BORIS @ GitHub

② Eprints displays local time instead of UTC

- Components changed
  - ../perl_lib/EPrints/Time.pm

- GitHub Refs
  - [https://github.com/UB-Bern/boris/commit/39684759110f1528bf8029267e99400772fe29af](https://github.com/UB-Bern/boris/commit/39684759110f1528bf8029267e99400772fe29af)
BORIS @ GitHub

③ Change notification by email

- Components changed
  - ../archives/BORIS/bin/report_status_change
  - ../archives/BORIS/cfg/cfg.d/report_status_change.pl
  - ../archives/BORIS/cfg/lang/en/phrases/report_status_change.xml
  - ../archives/BORIS/cfg/cfg.d/does_user_own_eprint.pl

- GitHub Refs
  - https://github.com/UB-Bern/boris/commit/8ec472fa9ff14b88bda03717b2634ae502d4cd0f
  - https://github.com/UB-Bern/boris/commit/53f4973b0b28d39907bb9d52a5a2239f5b8e7642
  - https://github.com/UB-Bern/boris/commit/a7bc7c7a447f4846fa87769cb81cd3e969cc446f
  - https://github.com/UB-Bern/boris/commit/db6b0827be1569585e7ab5f3be38f58fd52753a6
  - https://github.com/UB-Bern/boris/commit/c342a726a30a749f33d59c9ef299e2ca45901cd4
  - https://github.com/UB-Bern/boris/commit/b6f6631810f47bdfe2f12b357b6639a572560c4d
  - https://github.com/UB-Bern/boris/commit/2a989bd3e5fbb533e01820c5d3a725c9d08bf62a
  - https://github.com/UB-Bern/boris/commit/4b1c7272b2c5f090509586883ff7810483287583
  - https://github.com/UB-Bern/boris/commit/51825fa58247d88c6ef442159e62e78606191f8c
Using Sherpa/Romeo API to validate copyright

Components changed
- ../archives/BORIS/cfg/cfg.d/eprint_fields.pl
- ../archives/BORIS/cfg/cfg.d/sherpa_romeo.pl
- ../archives/BORIS/cfg/lang/en/phrases/sherpa.xml
- ../archives/BORIS/cfg/plugins/EPrints/Plugin/InputForm/Component/Field/Modal/SherpaRomeo.pm
- ../archives/BORIS/cfg/static/style/auto/sherpa.css
- ../archives/BORIS/cfg/workflows/eprint/default.xml
- ../archives/BORIS/cgi/sherpa_romeo_lookup

GitHubRefs
- https://github.com/UB-Bern/boris/commit/abd45595877eee3b58acd201ae90fb0aaef1b225