New implementations of and inquiries in features for BORIS

BORIS – Bern Open Repository and Information System

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Bern University Library

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Find our code at GitHub

BORIS @ GitHub

① Watermarks on downloaded documents

- 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/b9858d6708475f2b3b0c3abdd5f226f3405ebd31
  - https://github.com/UB-Bern/boris/commit/5324683459151a6d507a1902729207cf47c7966d
  - https://github.com/UB-Bern/boris/commit/126327f7964fb12d72a78f9c210ac1c2cbfa77a3
  - https://github.com/UB-Bern/boris/commit/8a989c65801ee23dd89779b7f67191f43c6df0a
  - https://github.com/UB-Bern/boris/commit/8611e3bbdb899cf38a3ab1d5ee1d52d899b8ed72c
  - 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

- Insert/import metadata & full text
  - Submitter (Researchers/Delegates)

- Control metadata
  - Editors (Librarians, Delegates)

- Publication rights, embargos, licenses
  - BORIS-Team/Researchers

- Inform researchers
  - Q-Assistants

- Check completeness of publications
  - Researchers

- Evaluation
  - Vice-Rectorate Research & Dean’s office of the med. faculty
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
Eprints displays local time instead of UTC
Eprints displays local time instead of UTC

- Approach: [https://github.com/eprints/eprints/issues/194](https://github.com/eprints/eprints/issues/194)

```perl
# 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
```

../perl_lib/EPrints/Time.pm
3 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
Change notification by email

$ ./report_status_change BORIS --send_report --day

To further addressees:

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
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

<table>
<thead>
<tr>
<th>Journal Title</th>
<th>Science of computer programming</th>
</tr>
</thead>
<tbody>
<tr>
<td>Journal Title Abbreviated</td>
<td>SCI COMPUT PROGRAM</td>
</tr>
<tr>
<td>ISSN</td>
<td>0167-4623</td>
</tr>
<tr>
<td>Publisher</td>
<td>Elsevier</td>
</tr>
</tbody>
</table>

**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 Pub:** Elsevier
- **RoMEO:** This is a RoMEO green journal
- **Author’s Pre-print:** author can archive pre-print (ie pre-refereeing)
- **Author’s Post-print:** author can archive post-print (ie final draft post-refereeing)
- **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 (ie final draft post-refereeing) or publisher’s version/PDF
- **Yellow:** Can archive pre-print (ie pre-refereeing)
- **White:** Archiving not formally supported

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*More on colours and restrictions*

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*Authors pre-print on any website, including arXiv and RePEc*
*Author’s post-print on author’s personal website immediately*
*Author’s post-print on open access repository after an embargo period of between <num>12</num> and <num>48</num> months*<br>
*Conditions: required to comply with embargo periods of 12 months to 48 months*
*Author’s post-print may be used to update arXiv and RePEc*
*Publisher’s version/PDF cannot be used*
*Must link to publisher version with DOI*
*Author’s post-print must be released with a Creative Commons Attribution Non-Commercial No Derivatives License*
*Published last reviewed on 03/06/2015*

*These summaries are for the journal’s default policies, and changes or exceptions can often be negotiated by authors. All information is correct to the best of our knowledge but should not be relied upon for legal advice.*
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
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  - https://github.com/UB-Bern/boris/commit/8611e3bdb899cf38a3ab1d5ee1d52d899b8ed72c
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BORIS @ GitHub

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  - 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/2a989bd3e5fb533e01820c5d3a725c9d08bf62a
  - 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

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