Implementing an altmetrics reporting service into DSpace using Altmetric.com

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Overview

• IUScholarWorks Repository
• Altmetrics basics
• Altmetric.com
• Integrating Altmetric.com and DSpace
• Live Demo
• Further work
• Discussion
IUScholarWorks Repository

Founded 2006
DSpace 3.1
XMLUI
Mirage-based theme
10000 Items
IUScholarWorks Repository

Usage stats

- Added 2012
- Page views
- Downloads
- Robots filter
- Uses DSpace log files
altmetrics

Altmetrics = “Alternative metrics”
Track the usage and sharing of scholarly outputs on the social web

(Image via http://altmetrics.org/manifesto/)
What does Altmetric do?

- Measures the online attention surrounding journal articles and datasets.

- Collect and deliver article-level metrics to publishers, libraries, repositories, researchers, and more.

(Liu & Adie, 2013)
How does Altmetric work?

- Bookmarklet
- Altmetric Explorer
- Embeddable Badges
- API Access

(Liu & Adie, 2013)
Altmetric “badges”

- Displayed on journal and repository websites
- Embedded via javascript
- DOI or other identifier passed in as a parameter

(Via http://bit.ly/13YtCXT)

(Via http://bit.ly/11JbVQ1)
Integration with IUScholarWorks

Issues
- Getting access to Altmetric
- DOI vs. Handle
- Altmetric badge on XMLUI
- IU-branded landing page
- Allowing authors control over displaying metrics for their deposits
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“Altmetrics in libraries and institutional repositories,” Altmetric Blog, http://go.iu.edu/7IM
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Technical Details

- New metadata element to hold altmetrics display toggle
- New config value to turn on altmetrics overall
- Edited input-forms.xml to show display toggle on item ingest
- Theme changes to add altmetric badge and link it to item handle
- Change in Navigation.java to control placement of badge
Future work

• Release code publicly
• Integration with DSpace stats page
• User testing & deployment
• Ranked lists for IR content
• Author profiles
• Exporting data for business analysis
Discussion

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Explore the Altmetric API: http://api.altmetric.com/

Follow Altmetric on Twitter: @altmetric

Source code and documentation: https://wiki.dlib.indiana.edu/x/rl22Hg
Slides and Abstract: http://hdl.handle.net/2022/16667

Thanks to Jean Liu (Altmetric)