Implementing an altmetrics reporting service into DSpace using Altmetric.com

Jim Halliday & Stacy Konkiel, Indiana University Libraries
Euan Adie, Altmetric.com
Overview

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

Welcome
IUScholarWorks Repository is service of the Indiana University Libraries and Indiana University Digital Library Program to make the work of IU scholars freely available, while ensuring these resources are preserved and organized for the future. Because your work is assigned a stable, permanent Internet address, readers will always find it.

- 5 Reasons to deposit your papers
- FAQ for submitters
- Getting Started
- Copyright and Licensing
- Mediated Submission Form

Communities in IUScholarWorks
Select a community to browse its collections.

- African American and African Diaspora Studies Department (Bloomington)[2]
- African Studies Program (Bloomington)[12]
- Anthropology Department (Bloomington)[11]
- Archives of Traditional Music (Bloomington)[75]
- Astronomy Department [2]
- Biology Department (Bloomington)[219]
- Black Diaspora Review [37]
- Campus Lectures, Presentations and Symposia (Bloomington)[72]
- Center for Applied Economics and Policy Research (Bloomington)[51]
- Center for Latin American & Caribbean Studies (Bloomington)[70]
- Central Eurasian Studies Department (Bloomington)[7]
- Chemistry Department (Bloomington)[70]
- Cognitive Science Program (Bloomington)[12]
- Communication and Culture Department (Bloomington)[1]
- Criminal Justice Department (Bloomington)[1]
- Digital Library Program [1]
- Dissertations (Bloomington)[230]
- East Asian Languages and Cultures Department (Bloomington)[2]
- Economics Department (Bloomington)[2]
- English Department (Bloomington)[2]
- Faculty Research - General (Bloomington)[22]

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 online attention surrounding journal articles and datasets
- Collect and deliver article-level metrics to publishers, libraries, repositories, researchers, and more.

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)
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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IU Scholarworks is experimenting with altmetrics as a way to measure the wider usage of scholarly literature.

Score in context

- Puts article in the top 5% of all articles ranked by attention

Mentioned by

- 1 tweeters
- 1 F1000 reviews
- 11 science blogs

Readers on

- 88 Mendelay
- 31 CiteULike
- 14 Connotea

Geographical breakdown

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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

Get in touch.

Email Jim: jhallida@indiana.edu
Email Stacy: skonkiel@indiana.edu
E-mail Euan: euan@altmetric.com

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

Follow Altmetric on Twitter: @altmetric

Source code and documentation: https://wiki.dlib.indiana.edu/x/rI22Hg
Slides and Abstract: http://hdl.handle.net/2022/16667

Thanks to Jean Liu (Altmetric)