DOI Event Tracker: new pathways to track research

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STM Innovations Seminar 2015
DOI Event Tracker
Research & the spread of ideas
The DOI Event Tracker (DET) is an
• open clearinghouse of data on publications activity online
• tracking events such as shares, mentions, discussions, recommendations, usage, etc.
• for publishers, funders, institutions, media outlets, technology providers, etc. to enable research monitoring, discovery, and information management
## Initial DET Sources

<table>
<thead>
<tr>
<th>BLOGS &amp; REFERENCE WORKS</th>
<th>SOCIAL BOOKMARKS</th>
<th>SOCIAL SHARES &amp; DISCUSSIONS</th>
<th>LINKS TO RESEARCH ENTITIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Blogging</td>
<td>CiteULike</td>
<td>Facebook</td>
<td>ORCiD</td>
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<tr>
<td>ScienceSeeker</td>
<td>Mendeley</td>
<td>Reddit</td>
<td>DataCite</td>
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<td>Wordpress.com</td>
<td></td>
<td>[Twitter?]</td>
<td>Europe PMC Database Citations</td>
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<td>Wikipedia</td>
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<td>[F1000Prime?]</td>
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DET SLA Service

• Access to the complete suite of sources, which includes restricted and/or paid sources in addition to common data
• Guaranteed uptime and response time to the latest raw data
• Guaranteed support response time to questions and issues
• Flexible data access options
• Optimum retrieval rates and accelerated delivery speeds
• Access to a webhook API for events of interest as an alternative to polling DET
• Standardized and enhanced linkback service
Crossref
Infrastructure
Metadata enable connections.
connecting & linking at scale
making connections across the scholarly web
an open scholarly map for the whole research enterprise
Interactive layers on the scholarly map

• Contributors
• Funders
• Publication history (versions, corrections, retractions)
• Access indicators (licensing for text & data mining)
• Research artifacts (publications, research data, software, protocols, resources, clinical trials)

• Social activity on the publication (peer reviews, discussions, mentions, bookmarks, shares, recommendations)
Clearinghouse as infrastructure

A central point for collecting and propagating data to the community, benefits of scale and ease of access:

• no need to manage multiple online sources where scholarly activity occurs
• no need for individual bilateral agreements between consumer and sources
• comprehensive tracking coverage across publishers
Infrastructure transparency & trust

Data is:

• comprehensive - collected for all Crossref DOIs, regardless of publisher
• open - made openly available to all
• comparable - collected in a standard way across aggregators
• auditable & portable
• long term data preservation
Data, not metrics
Data, not metrics

Ready to use: programmatically available for tool development & reuse
Use cases

• Surface qualitative stories about researcher work
• Report on the reach of research within specific communities & public at large
• Identify hot, new areas for journal development
• Inform editor and reviewer recruitment efforts
• Discover relevant research
• Discover new collaborators
• Track funding results
• Report on institutions and consortia outputs…
Interested?

sign up for more information

bit.do/CrossrefDET
Thank you!

Ed Pentz
@CrossrefOrg
What is Distributed Usage Logging?

Distributed Usage Logging (DUL) is a:

- peer-to-peer channel to securely exchange & process private usage records from hosting platforms
- for publishers to measure usage in a distributed environment
DUL messaging protocol

Research Collaboration Networks

Mendeley

Academia.edu

Research Gate

Digital Reading Environments

Papers

Utopia Docs

ReadCube

Original Publishers
(A, B, C, D, etc.)