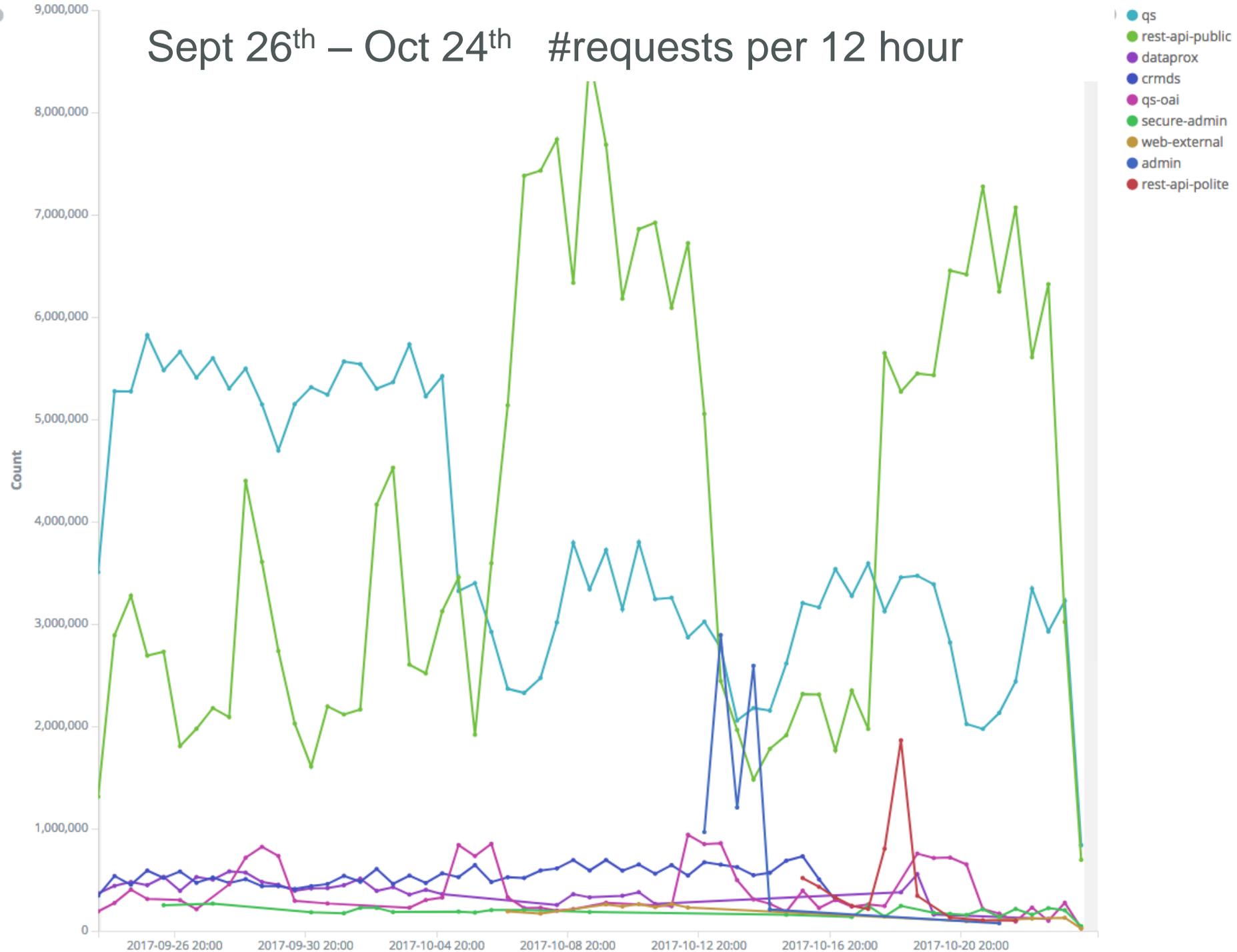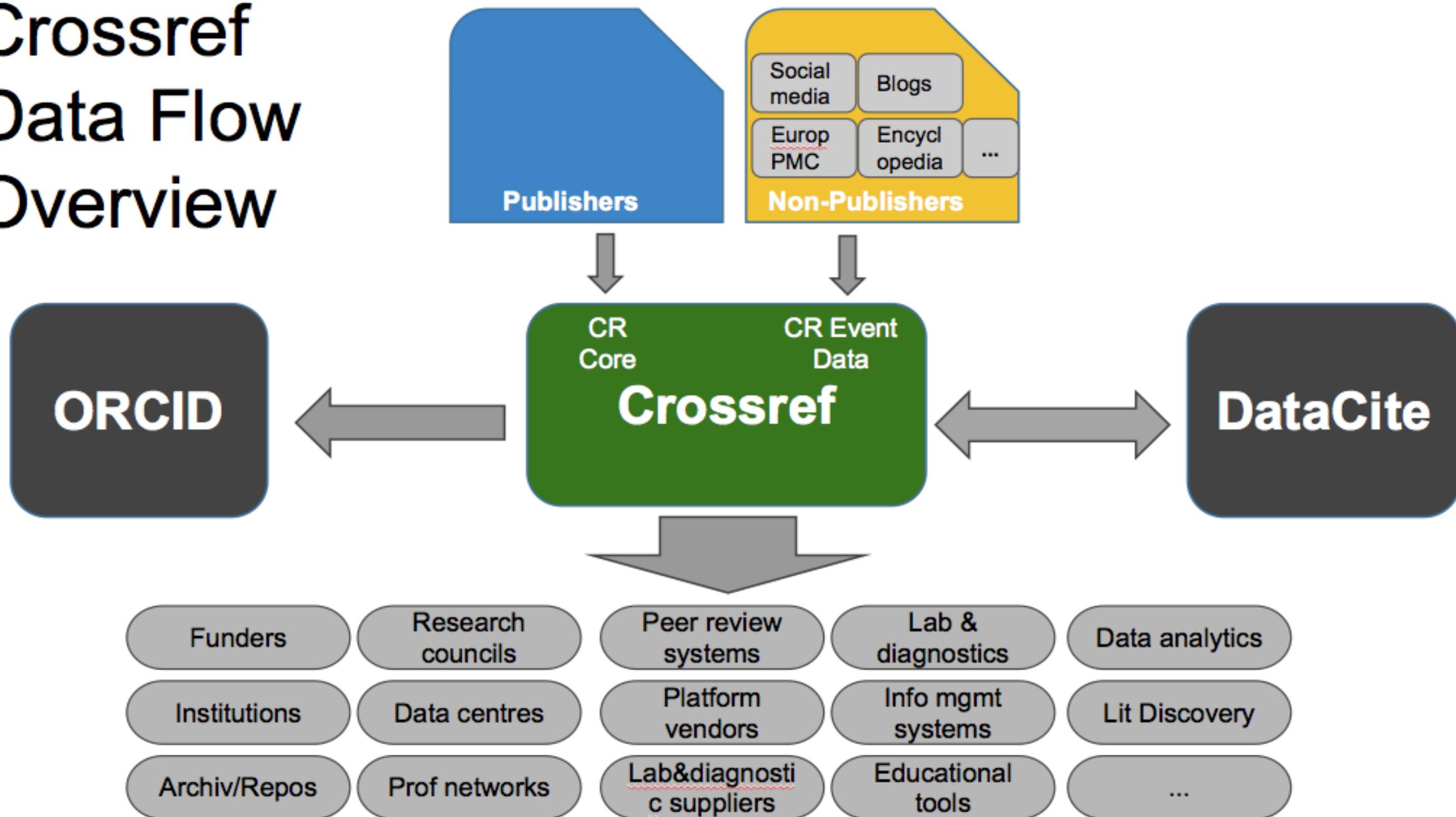Crossref

Metadata in action

Crossref

XUG 2017

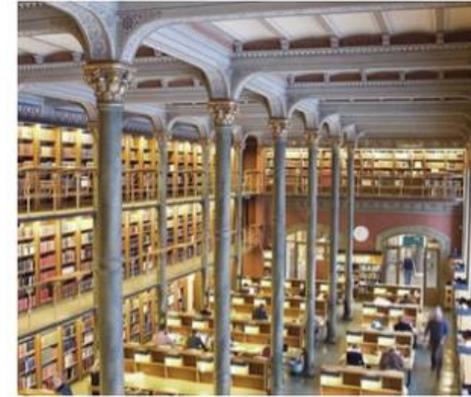Sept 26th – Oct 24th   #requests per 12 hour

Crossref Data Flow Overview

who's using Crossref metadata

Using the Crossref REST API. Part 6 (with NLS)

Christine Cormack Wood – 2017 October 06
In Events, API, Identifiers, Interoperability, API Case Study

Continuing our blog series highlighting the uses of Crossref metadata, we talked to Ulf Kronman, Bibliometric Analyst at the National Library of Sweden about the work they're doing, and how they're using our REST API as part of their workflow.

Introducing the National Library of Sweden (NLS)

The NLS is a state agency, has a staff of about 320, and its main offices in Stockholm. Its primary duty is to preserve the Swedish cultural heritage by collecting everything printed in Sweden, and has been doing so since 1661. Nowadays the library also collects

What problem is your service trying to solve?
The metadata in the national scholarly publication database SwePub is harvested from the Swedish universities' local publication systems, where data often is entered manually by librarians and researchers. This means that the metadata can contain a lot of omissions, synonyms, spelling variants and errors. Using Crossref, we can enhance and correct the metadata delivered to us, if we just have a correct DOI.

Using the Crossref REST API. Part 5 (with OpenCitations)

Christine Cormack Wood – 2017 September 10
In API, Funders, Identifiers, Interoperability, API Case Study

As part of our blog post series on the Crossref REST API, we talked to Silvio Peroni and David Shotton of OpenCitations (OC) about the work they're doing, and how they're using the Crossref REST API as part of their workflow.

Introducing OpenCitations

OpenCitations employs Semantic Web technologies to create an open repository of the citation data that publishers have made available. This repository, called the OpenCitations Corpus (OCC), contains RDF-based scholarly citation data that are made freely

At present, basic citation information is retrieved from PubMed Central, and the Crossref API is then used to retrieve additional metadata describing the citing and cited articles, and to disambiguate bibliographic resources and agents by means of the identifiers retrieved (e.g., DOI, ISSN, ISBN, URL, and Crossref member URL). In future, we will retrieve full citation data direct from Crossref.

Using the Crossref REST API. Part 4 (with CLA)

Rachael Lammey – 2017 July 25
In API, Funders, Identifiers, Interoperability, API Case Study

As a follow-up to our blog posts on the Crossref REST API we talked to the Copyright Licensing Agency (CLA) about the work they're doing, and how they're using the Crossref REST API as part of their workflow.

Alex Cole, Senior Business Analyst at the Copyright Licensing Agency introduces the DCS

The Digital Content Store (DCS) is an innovative rights, technology and content platform for UK Higher Education Institutions (HEIs), which was developed collaboratively with HEIs, publishers and technology partners. The platform is included in the CLA annual

When a DCS user adds a new extract to a course they need to include relevant metadata. This metadata is necessary, as it ultimately helps CLA in correctly identifying the copyright owner of the extract so that we can make sure they receive fair payment in our royalties distributions. The Crossref REST API supplies the DCS user with article and journal metadata so that they can provide the correct information about the content they are uploading. Using the API saves the user the time they would have otherwise spent searching for this data, streamlining their workflow and making the process more efficient.

administrative efficiencies through streamlining the digital course pack creation process.

About Us

Without dissemination, research has no impact.

Kudos was developed to help researchers ensure their publications get found, read and cited in a world of information overload.

Founded in 2013 by three publishing and technology professionals, Kudos has gone from strength to strength, winning major industry prizes for innovation. Today, Kudos is used by researchers all over the world to build global readership and attention for their work.

Kudos works with publishers, universities, corporations, funders, metrics-providers and other intermediaries to help aggregate efforts around researchers to build impact for their work. By doing so we help strengthen partnerships between researchers and their affiliated organizations and other service-providers.

Kudos is the only platform dedicated to dissemination across the multiple networks and channels available to researchers for sharing information about their work. We are also the only platform that aggregates all the most relevant metrics about that work in one place, and maps outreach activities against those metrics.

We are independent and let results speak for themselves - through Kudos researchers, and the organisations that support them, can determine where and how to spend their time to best effect.

Kudos. Mobilize Your Research.

U.S. Department of Agriculture

*Click on Data link above to view underlying data and to click through to DOI links
to journal articles on publishers' sites.*

Today's Indicators

7,545 - Publications to date, where: ❓

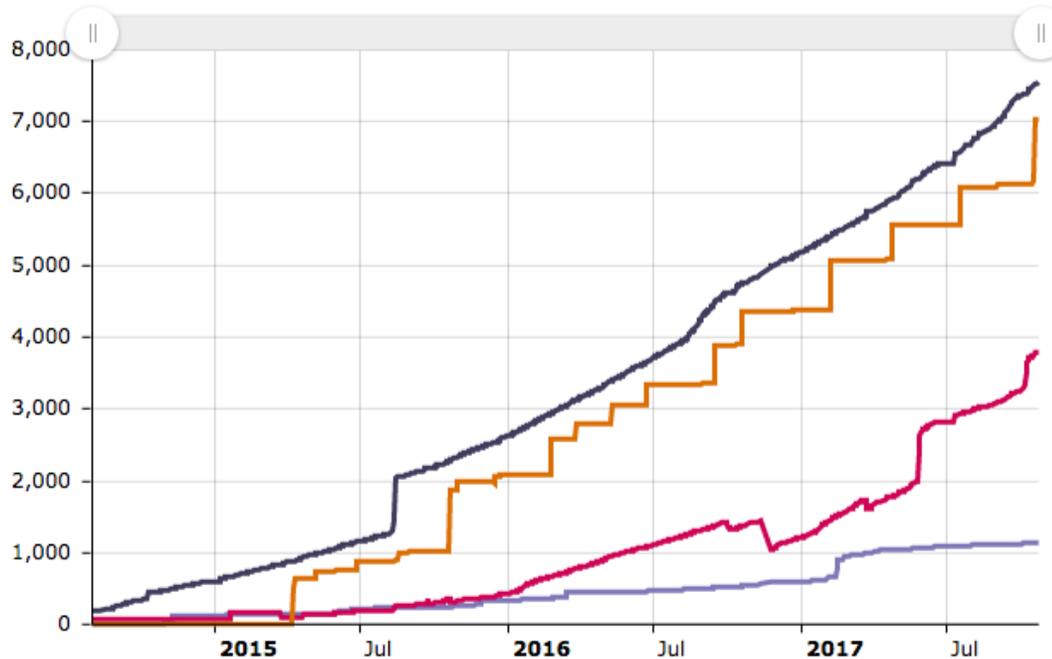**15.1%** - Verified Publicly Accessible on
Publishers Site ❓

50.3% - Reuse terms available ❓

93.1% - Archived ❓

Key Performance Indicators - History

Click on colored dots in legend to show or hide key indicator lines

● Total   ● Publicly Accessible on Publishers Site   ● Reuse Terms Available
● Archived

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    <author>Augoustinous</author>
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    <first_page>351</first_page>
    <cYear>1999</cYear>
    <doi provider="crossref">10.1177/0957926599010003004</doi>
    <article_title>"Genocide or Failure to Gel? Racism, History and Nationalism in Australian Talk."</article_title>
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    <cYear>1991</cYear>
  </citation>
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Guest Post — JATS4R: Optimizing the Reusability of Scholarly Content

Mary Seligy, Business Analyst with Canadian Science Publishing

"machines — at least those employed in the shared systems that make up the scholarly publishing infrastructure today — have little tolerance for the ambiguous; they require consistent and predictable inputs to handle content efficiently, never mind effectively. "

I'll be back...for your properly coded XML tags. Image courtesy of Garry Knight.

Quality – its easy and complicated

```xml
<contributors>
 - <person_name sequence="first" contributor_role="author">
    <given_name>Martin Schletterer</given_name>
    <surname><![CDATA[&amp]]></surname>
  </person_name>
 - <person_name sequence="additional" contributor_role="author">
    <given_name>Leopold</given_name>
    <surname><![CDATA[F&uuml;reder]]></surname>
  </person_name>
</contributors>
```

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    <abbrev_title>Polym. Chem.</abbrev_title>
    <issn media_type="print">1759-9954</issn>
    <issn media_type="electronic">1759-9962</issn>
    <coden>PCOHC2</coden>
   </journal_metadata>
```

Title	Print-ISSN	Elect-ISSN	Additional ISSNs	Publisher Prefix
Polymer Chemistry	17599954	17599962	17599954,17599962	10.1039

\<related-object\>

Example

```
...
<p>The toll of AIDS in Africa far exceeds its proportion
of the world population. Only 12% of the world's population
inhabit Africa, but the continent has over 60% of the
AIDS-infected population. Mortality statistics are complicated
by the relationship between Tuberculosis and HIV.
<related-object source-id="http://www.ncbi.nlm.nih.gov/entrez/
query.fcgi?cmd=Retrieve&amp;dopt=Expanded&amp;db=nlmcatalog&amp;list_uids=1252893"
source-id-type="url"
source-type="book">
<person-group person-group-type="editor">
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...
</person-group>
<source>Disease and Mortality in Sub-Saharan Africa</source>
<edition>2</edition><sup>nd</sup>
<publisher-name>The World Bank</publisher-name>
<publisher-loc>Washington, DC</publisher-loc>
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<isbn>0-8213-6397-2</isbn>
<size units="pages">416</size>
</related-object>
```

Reuse in place via copy. Metadata for the <u>related</u> thing being entered into the thing which claims its a related thing. Violates linked-data principles.

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      <issn media_type="electronic">1474-0567</issn>
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         <year>2017</year>
      </publication_date>
    - <journal_volume>
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      </journal_volume>
      <issue>03</issue>
   </journal_issue>
 - <journal_article publication_type="full_text">
    - <titles>
         <title>'Quality' problems - CORRIGENDUM</title>
      </titles>
   <updates>
      <update type="correction" date="2017-01-13">10.1017/S0266078405004074</update>
   </updates>
```

Quality – what's being done about it

LEVEL-UP AND DON'T SETTLE FOR LESS

HELP US IMPROVE THE QUALITY OF METADATA FOR RESEARCH.

Metadata 2020 is a collaboration that advocates richer, connected, and reusable, open metadata for all research outputs, which will advance scholarly pursuits for the benefit of society.

RICHER

Richer metadata fuels discoverability and innovation.

CONNECTED

Connected metadata bridges the gaps between systems and communities.

REUSABLE

Reusable, open metadata eliminates duplication of effort.

Many members have no idea what metadata they deposit

Springer Nature

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Coverage   DOIs   Prefixes   Updates

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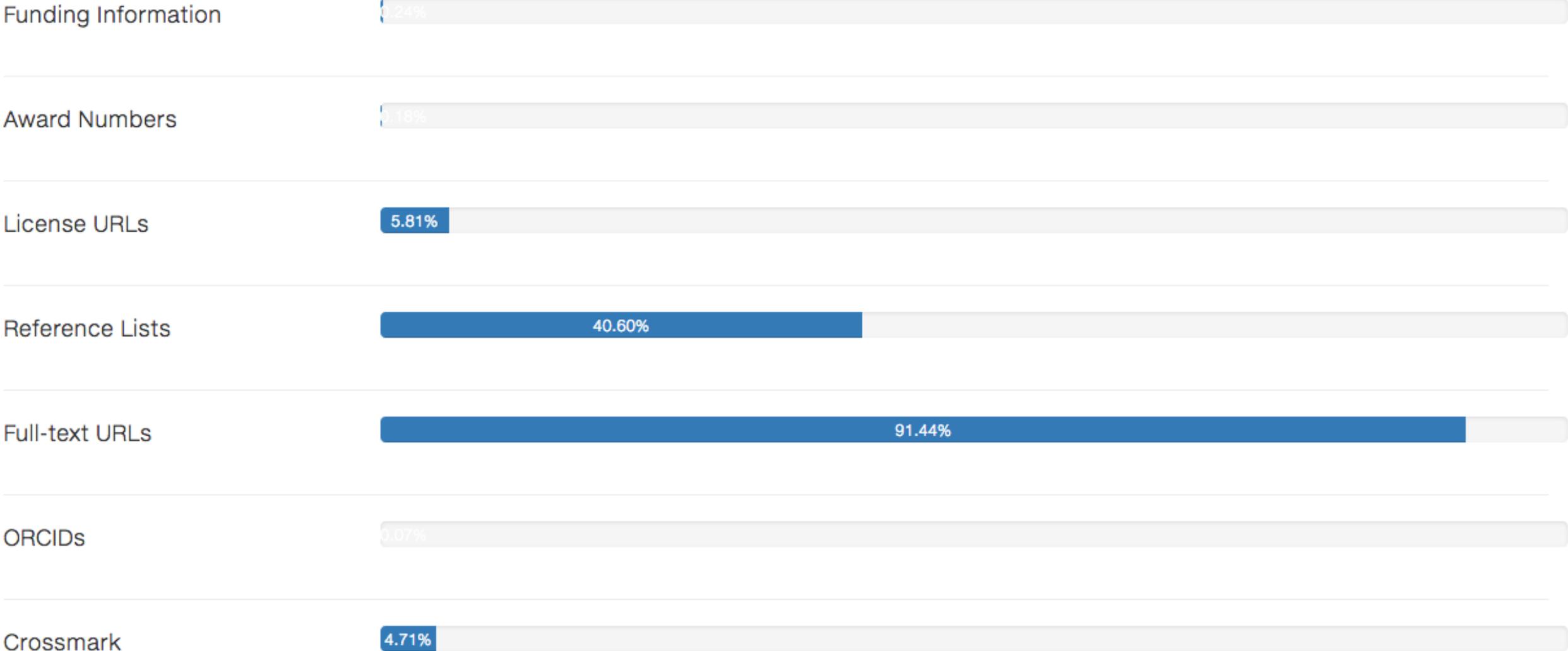
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