A data-based analysis of Open Access trend

November 15th, 2018

Massimiliano Carloni, Solutions Specialist
massimiliano.carloni@clarivate.com

TWITTER: #OS18BUD
Sli.do code: F1115 (www.sli.do)
Road to OPEN ACCESS discoverability
Clarivate Analytics has won the contract to provide citation data for the UK's upcoming research excellence framework, beating rival Elsevier to the job.

Clarivate’s Institute for Scientific Information will provide data about how many times outputs submitted to the REF 2021 have been cited in other publications, drawing on its Web of Science database. Eleven of the exercise’s 34 expert panels have said that they plan to use citation data to help inform their judgements about the quality of outputs.

The Philadelphia-headquartered company won the contract in a formal tender process, which also involved Elsevier, the provider of citation data for REF 2014.

Kim Hackett, the REF director at Research England, said that panels would follow the

REF 2021. The use of citation data in this exercise presents a key opportunity to build on the principles of the responsible use of metrics,” she said.

Jonathan Adams, director of Clarivate’s ISI, said that the contract offered the opportunity “to ensure that data and indicators that support output assessment in the REF are not only of the highest quality and relevance but are also fully understood so they can be used informatively and responsibly”.

Institutions taking part in the REF will be able to view the citation counts for items that they plan to submit to relevant units and to confirm that a correct match has been identified by assessors.
OPEN ACCESS analysis

Overall Trend
Discoverability & Diffusion
Data Integration
Funded based
Impact
One fourth of papers indexed in WOS-CC in the last 5 years is OPEN
OA growth is basically flat in the last 5 years
First 250 journals by IF 2017
The balance of knowledge flows
International Collaboration 20% → 35%
IS OPEN ACCESS ALSO PAVING THE WAY TO OPEN SCIENCE?
Around 35% of “funded” papers are OA
<table>
<thead>
<tr>
<th>Country</th>
<th>Adoption Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hungary</td>
<td>22.55%</td>
</tr>
<tr>
<td>Austria</td>
<td>23.95%</td>
</tr>
<tr>
<td>Croatia</td>
<td>27.10%</td>
</tr>
<tr>
<td>Romania</td>
<td>17.88%</td>
</tr>
<tr>
<td>Serbia</td>
<td>30.30%</td>
</tr>
<tr>
<td>Slovakia</td>
<td>22.01%</td>
</tr>
<tr>
<td>Slovenia</td>
<td>23.26%</td>
</tr>
</tbody>
</table>
OA Adoption (1999-2018)
Hungary and main European Countries
OA Adoption for Hungarian papers on Hungarian Journals

- Total Records
- OA Records
- Percentage


45.2%
Who is citing Hungarian OA papers?

HUNGARY 34.55%
CHINA 10.31%
USA 9.20%
GERMANY 5.46%
UK 5.09%
ITALY 4.60%
POLAND 4.14%
SPAIN 3.89%
FRANCE 3.22%
INDIA 3.08%
OTHERS 16.46%
<table>
<thead>
<tr>
<th>Research Areas</th>
<th>TOTAL Records</th>
<th>OA Records</th>
<th>doaj gold Records</th>
<th>other gold Records</th>
<th>bronze Records</th>
<th>green Records</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYSICS</td>
<td>10,07%</td>
<td>13,48%</td>
<td>12,56%</td>
<td>27,24%</td>
<td>7,32%</td>
<td>15,27%</td>
</tr>
<tr>
<td>CHEMISTRY</td>
<td>8,91%</td>
<td>4,24%</td>
<td>3,98%</td>
<td>3,38%</td>
<td>3,75%</td>
<td>7,40%</td>
</tr>
<tr>
<td>ENGINEERING</td>
<td>8,62%</td>
<td>4,62%</td>
<td>3,30%</td>
<td>8,04%</td>
<td>4,38%</td>
<td>4,66%</td>
</tr>
<tr>
<td>COMPUTER SCIENCE</td>
<td>5,77%</td>
<td>2,14%</td>
<td>1,56%</td>
<td>2,09%</td>
<td>2,26%</td>
<td>3,51%</td>
</tr>
<tr>
<td>MATHEMATICS</td>
<td>5,65%</td>
<td>4,25%</td>
<td>2,87%</td>
<td>1,79%</td>
<td>8,08%</td>
<td>1,17%</td>
</tr>
<tr>
<td>BIOCHEMISTRY MOLECULAR BIOLOGY</td>
<td>4,95%</td>
<td>5,48%</td>
<td>4,47%</td>
<td>2,42%</td>
<td>6,95%</td>
<td>8,28%</td>
</tr>
<tr>
<td>NEUROSCIENCE NEUROLOGY</td>
<td>3,99%</td>
<td>2,60%</td>
<td>2,81%</td>
<td>3,20%</td>
<td>3,77%</td>
<td>9,45%</td>
</tr>
<tr>
<td>BUSINESS ECONOMICS</td>
<td>2,67%</td>
<td>2,59%</td>
<td>1,46%</td>
<td>1,63%</td>
<td>4,79%</td>
<td>1,20%</td>
</tr>
<tr>
<td>PSYCHOLOGY</td>
<td>1,72%</td>
<td>1,31%</td>
<td>1,51%</td>
<td>0,83%</td>
<td>0,86%</td>
<td>2,50%</td>
</tr>
<tr>
<td>SOCIAL SCIENCES</td>
<td>1,00%</td>
<td>1,53%</td>
<td>3,54%</td>
<td>0,96%</td>
<td>0,11%</td>
<td>0,22%</td>
</tr>
</tbody>
</table>
Percentage DOCS Cited

- TOTAL OA: 70
- DOAJ GOLD: 65
- OTHER GOLD: 70
- BRONZE: 80
- GREEN: 85
- OVERALL HUNGARY: 62.01

Focus On Open Science

Clarivate Analytics
Köszönöm!