1999-2019
OpenEdition is 20 years old!

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A time for us to celebrate our twentieth birthday, and for me to step down from my post as head of OpenEdition Center to contribute to national open science policy. This activity report marks a milestone in the history of a project that was born in 1999, in the last century, and which is entering its twenties full of verve and enthusiasm. In our 19th year, we reached many milestones. There are now 700,000 documents, 500 journals, 2,500 research blogs, and 6,000 books on our platform – a real reason for satisfaction among the OpenEdition team and its communities of users. We now also have – and this is big news – 60 million annual visits to our platform, increasing our overall visitor numbers by 19.9%. Even more remarkable is the take-off of OpenEdition Books, which has grown by 61%, after having previously grown by 52% in 2017. Even the flagship OpenEdition Journals is enjoying significant growth (18%), despite already massive visitor numbers.

Thanks to the success of OPERAS in two H2020 programmes, we have also incorporated technologies that are now part of state-of-the-art digital scientific publishing (ORCID, Funder Registry, detection of named entities). We are also continuing the important work of modernising the platform’s interfaces, with the redesign of our search engine and the deployment of a generic design template for journals. Work on our technical debt and the modularisation of our software base are starting in 2019. Finally, 2018 was an excellent year for Freemium, which ended the year with a historically high turnover, eloquently underlining libraries’ support for open and free publishing.

Marin Dacos
december 2018
The team

UNIT BOARD

DIRECTOR
OpenEdition Lab Department
Communications Department
Freemium Department
Membership Department

SCIENTIFIC BOARDS

Deputy Director
INTERNATIONAL
International Development Department

Deputy Director
ADMINISTRATIVE AND FINANCIAL

Deputy Director
IT

Deputy Director
INTERNATIONAL
International Development Department

Deputy Director
EDITORIAL

ADMINISTRATIVE AND FINANCIAL DEPARTMENT
Administration, Financial and Human Resources Department

IT DEPARTMENT
IT Development Department
System Administration Department
Data Department
IT Equipment Department

INTERNATIONAL DEPARTMENT
International Development Department

EDITORIAL DEPARTMENT
Support and Training Department
Scientific Blogging Department
Scientific Events Department
Books Department
Journals Department
THE TEAM

SENIOR MANAGEMENT
Marie Pellen
Acting Director

OPENEDITION LAB DEPARTMENT
Marin Dacos
Scientific Director
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Postdoc
Élodie Faath
Department manager, R&D Project Manager
Lucie Loubère
Postdoc
Mathieu Orban de Xivry
R&D Developer

COMMUNICATIONS DEPARTMENT
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Partnerships Officer
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Library Partnerships Officer

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ADMINISTRATIVE AND FINANCIAL DEPARTMENT
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ADMINISTRATION AND FINANCIAL DEPARTMENT
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Financial and Accounting Assistant
Céline Herrero
HR Assistant
Chloé Lebon
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IT DEPARTMENT
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IT DEVELOPMENT DEPARTMENT
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Roland Haroutiounian
Developer
Hélène Prieto
Developer
Alexandre Vinogradov
Developer

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Head of Unit, Information Systems Administrator
Florentin Clouet
Systems and Networks Administrator

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Data Project Manager
Anne Durand
Developer
Jean-François Rivière
Head of Unit, Information Systems Administrator

IT EQUIPMENT DEPARTMENT
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Deputy Director - International

INTERNATIONAL DEVELOPMENT DEPARTMENT
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Arnaud Gingold
EU Programmes Technical Coordinator
Paulin Ribbe
International Cooperation Officer
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OpenEdition Italia Communications Officer

EDITORIAL DEPARTMENT
Marie Pellen
Deputy Director - Editorial
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Web Project Manager
Clément Corbin
Referencing Manager

SUPPORT AND TRAINING DEPARTMENT
Jennifer Kirkoz
Editorial Officer
Élodie Picard
Department manager, Editorial Officer
Bianca Tangaro
Editorial Officer

RESEARCH BLOGGING DEPARTMENT
Céline Guilleux
Scientific Validation Officer (50%)
Francois Pacaud
Department manager
Michel Tamarin
Web Project manager
Marion Wesely
Hypothèses Community Support and Content Promotion Officer

ACADEMIC EVENTS DEPARTMENT
Anastasia Giardinelli
Scientific Validation Officer
Céline Guilleux
Scientific Validation Officer (50%)
Elsa Zotian
Department manager, Scientific Validation Manager

BOOKS DEPARTMENT
Cédric Gaultier
Department manager, Editorial Officer
Sophie Maglia
SAN Verification Officer
Alice Pierre
Editorial Officer
Fabien Rousset
Editorial Officer
Caroline Terrier
Editorial Officer
Amandine Texier
Editorial Officer

JOURNALS DEPARTMENT
Gwenn Dossmann
Editorial Officer
Sandra Guigonis
Department manager, Editorial Officer
Anne-Sibylle Loiseau
Editorial Officer
Mélanie Perret
Editorial Officer

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OpenEdition, an essential infrastructure
2018: A vintage of excellent quality

This year, OpenEdition has reached a milestone on each of its platforms: 40,000 scientific events; 5,000 books in open access; 2,700 research blogs in the catalogue; 500 online journals. This amounts to no fewer than 700,000 scientific documents.

In order to optimize the circulation of readers between the four OpenEdition platforms and to facilitate access to all content, we have worked on several projects to enrich our catalogue, three of which were completed in 2018:

• implementation on the Calenda platform of the More Like This recommendation module, which includes documents from all platforms;
• automatic categorization of content: after taking the initial step of mapping controlled vocabularies on OpenEdition, the automatic categorization of books will be brought into production in the first quarter of 2019;
• last but not least, a new version of OpenEdition's search engine! The new search engine is responsive, meaning it is able to adapt to all screen resolutions, and available in various languages.

This new version offers new filters, a search perimeter refocused on editorial content, and takes into account accessibility recommendations. It is part of the general overhaul of the OpenEdition platforms. This new search engine is the first step in the future graphic and ergonomic changes we have planned for our platforms.

These projects are the first building blocks of a larger project over several years, one that will require the mobilization of all skills and roles within our team.

As coordinator of the EU H2020 project HIRMEOS, this year OpenEdition also sets up high value-adding services for monographs. Alongside the four European publishing platform partners, the OpenEdition Books platform is now enriched with new features:

• ORCID identifiers for people
• Funder Registry identifiers for funders
• named entity detection: place and name filters
• peer review processes certified by the DOAB
• the online annotation tool hypothes.is can be activated at the level of book series, books or chapters
**Visits in the tens of millions, hundreds of thousands of documents**

- **Number of visits per year in millions (2011-2018):**
  - 2011: 12.9
  - 2012: 18.9
  - 2013: 24.0
  - 2014: 29.6
  - 2015: 40.9
  - 2016: 45.4
  - 2017: 53.9
  - 2018: 64.6

- **Three quarters of a million documents published:**
  - Number of documents published on OpenEdition (1999-2018):
    - 1999-2008: 91,000
    - 2009: 115,000
    - 2010: 142,000
    - 2011: 177,000
    - 2012: 228,000
    - 2013: 310,000
    - 2014: 384,000
    - 2015: 465,000
    - 2016: 551,000
    - 2017: 643,000
    - 2018: 724,000

- **A new record:**
  - 64 million visits in a year

- **All of OpenEdition**
  - Full statistics available.
Breakdown of visits to OpenEdition in 2018

In millions of visits

<table>
<thead>
<tr>
<th></th>
<th>Journals</th>
<th>Books</th>
<th>Hypotheses</th>
<th>Calenda</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>12.2</td>
<td>-</td>
<td>1.59</td>
<td>0.41</td>
</tr>
<tr>
<td>2012</td>
<td>15.5</td>
<td>-</td>
<td>3.09</td>
<td>0.53</td>
</tr>
<tr>
<td>2013</td>
<td>17.5</td>
<td>0.69</td>
<td>5.28</td>
<td>0.53</td>
</tr>
<tr>
<td>2014</td>
<td>20.8</td>
<td>1.9</td>
<td>6.73</td>
<td>0.55</td>
</tr>
<tr>
<td>2015</td>
<td>26.9</td>
<td>3.03</td>
<td>9.37</td>
<td>0.53</td>
</tr>
<tr>
<td>2016</td>
<td>29.6</td>
<td>3.3</td>
<td>11.1</td>
<td>0.61</td>
</tr>
<tr>
<td>2017</td>
<td>35.3</td>
<td>5.02</td>
<td>12.8</td>
<td>0.7</td>
</tr>
<tr>
<td>2018</td>
<td>41.8</td>
<td>8.1</td>
<td>14.0</td>
<td>0.71</td>
</tr>
</tbody>
</table>

An increasingly multilingual infrastructure

Distribution by language of documents published on OpenEdition

<table>
<thead>
<tr>
<th>LANGUAGE OF DOCUMENTS</th>
<th>AS OF 31 DECEMBER 2018</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>French</td>
<td>491,275</td>
<td>70.0</td>
</tr>
<tr>
<td>English</td>
<td>78,498</td>
<td>11.2</td>
</tr>
<tr>
<td>German</td>
<td>69,924</td>
<td>10.0</td>
</tr>
<tr>
<td>Spanish</td>
<td>26,346</td>
<td>3.7</td>
</tr>
<tr>
<td>Portuguese</td>
<td>18,758</td>
<td>2.7</td>
</tr>
<tr>
<td>Italian</td>
<td>11,926</td>
<td>1.7</td>
</tr>
<tr>
<td>Other languages</td>
<td>5,221</td>
<td>0.7</td>
</tr>
</tbody>
</table>
Visitor numbers to the platforms

Worldwide visitor numbers to all OpenEdition platforms

VISITS in millions

25
10
5

VISITS per 1,000 inhabitants

- fewer than 5
- 5 to 30
- 30 to 200
- 30 to 200 over 200
Visitor numbers to OpenEdition
in millions of visits

**Visits to OpenEdition Books**

<table>
<thead>
<tr>
<th>Country</th>
<th>Visits (in millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>France</td>
<td>3.17</td>
</tr>
<tr>
<td>Morocco</td>
<td>0.46</td>
</tr>
<tr>
<td>United States</td>
<td>0.36</td>
</tr>
<tr>
<td>Canada</td>
<td>0.26</td>
</tr>
<tr>
<td>Algeria</td>
<td>0.24</td>
</tr>
<tr>
<td>United States</td>
<td>0.23</td>
</tr>
</tbody>
</table>

**Visits to OpenEdition Journals**

<table>
<thead>
<tr>
<th>Country</th>
<th>Visits (in millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>France</td>
<td>6.25</td>
</tr>
<tr>
<td>Germany</td>
<td>1.07</td>
</tr>
<tr>
<td>United States</td>
<td>0.50</td>
</tr>
<tr>
<td>Mexico</td>
<td>0.49</td>
</tr>
<tr>
<td>Spain</td>
<td>0.43</td>
</tr>
<tr>
<td>Morocco</td>
<td>0.36</td>
</tr>
</tbody>
</table>

**Visits to Hypotheses**

<table>
<thead>
<tr>
<th>Country</th>
<th>Visits (in millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>France</td>
<td>16.71</td>
</tr>
<tr>
<td>Brazil</td>
<td>1.74</td>
</tr>
<tr>
<td>Canada</td>
<td>1.58</td>
</tr>
<tr>
<td>Morocco</td>
<td>1.57</td>
</tr>
<tr>
<td>Algeria</td>
<td>1.46</td>
</tr>
<tr>
<td>United States</td>
<td>1.45</td>
</tr>
</tbody>
</table>

**Visits to Calenda**

<table>
<thead>
<tr>
<th>Country</th>
<th>Visits (in millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>France</td>
<td>388,000</td>
</tr>
<tr>
<td>Morocco</td>
<td>31,900</td>
</tr>
<tr>
<td>Algeria</td>
<td>26,900</td>
</tr>
<tr>
<td>Canada</td>
<td>21,700</td>
</tr>
<tr>
<td>Belgium</td>
<td>20,900</td>
</tr>
<tr>
<td>Cameroon</td>
<td>20,400</td>
</tr>
</tbody>
</table>
Geographical location of teams disseminating content on OpenEdition
### OpenEdition Journals
Location of journal editorial teams (online journals)

- **Number of journals**
  - TOTAL: 502
  - France: 392
  - Europe (excluding France): 59
  - World (outside Europe): 51

### OpenEdition Books
Publisher location

- **Number of publishers**
  - TOTAL: 88
  - France: 48
  - Europe (excluding France): 23
  - World (outside Europe): 17

### Hypotheses
Location of Hypotheses bloggers

- **Number of blogs**
  - TOTAL: 2,693
  - France: 2,127
  - Europe (excluding France): 477
  - World (outside Europe): 89

### Calenda
Location of events on Calenda

- **Number of events**
  - TOTAL: 41,349
  - France: 32,241
  - Europe (excluding France): 5,613
  - World (outside Europe): 3,495
OpenEdition Journals: Over 500 online journals registered

Fluctuations in applications (2010-2018)

Number of member and online journals (2000-2018)

Reduction in the journal waiting list (Number of journals)
OpenEdition Journals: Access Policy (December 2018)

- Moving paywall
- Open access
- Including open access in all formats
- Including open access Freemium

OpenEdition Journals: The main languages of publication

<table>
<thead>
<tr>
<th>LANGUAGE</th>
<th>NUMBER OF ARTICLES</th>
</tr>
</thead>
<tbody>
<tr>
<td>French</td>
<td>182,967</td>
</tr>
<tr>
<td>English</td>
<td>22,627</td>
</tr>
<tr>
<td>Spanish</td>
<td>10,948</td>
</tr>
<tr>
<td>Italian</td>
<td>6,317</td>
</tr>
<tr>
<td>Portuguese</td>
<td>6,025</td>
</tr>
<tr>
<td>German</td>
<td>1,815</td>
</tr>
<tr>
<td>Other</td>
<td>2,028</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>%</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moving paywall</td>
<td>54</td>
<td>46</td>
<td>44</td>
<td>42</td>
<td>35</td>
<td>31</td>
<td>26</td>
<td>25</td>
</tr>
<tr>
<td>Open access</td>
<td>46</td>
<td>58</td>
<td>58</td>
<td>65</td>
<td>69</td>
<td>74</td>
<td>75</td>
<td>76</td>
</tr>
<tr>
<td>Including open access Freemium</td>
<td>58</td>
<td>58</td>
<td>65</td>
<td>69</td>
<td>74</td>
<td>75</td>
<td>76</td>
<td></td>
</tr>
</tbody>
</table>
OpenEdition Books: Over 6,000 books

- **OpenEdition Books**: Number of books online (2013-2018)
  - 2013: 1,018
  - 2014: 1,622
  - 2015: 2,621
  - 2016: 3,419
  - 2017: 4,800
  - 2018: 6,442

- **OpenEdition Books**: Number of publishers online (2013-2018)
  - 2013: 31
  - 2014: 46
  - 2015: 50
  - 2016: 62
  - 2017: 76
  - 2018: 88

- **OpenEdition Books**: Access policy as of 31 December 2018
  - Exclusive access
  - Open access
  - Including Freemium access
  - Including open access in all formats

- **OpenEdition Books**: Language of publication of books as of 31 December 2018
  - French: 5,300
  - Spanish: 430
  - English: 414
  - Italian: 130
  - German: 99
  - Portuguese: 12
  - Other: 53
  - Total: 5,926
**Hypotheses:**
The world’s largest research blogging platform

**Hypotheses:**
Number of blogs in the catalogue since 2011

<table>
<thead>
<tr>
<th>Year</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blogs</td>
<td>291</td>
<td>570</td>
<td>802</td>
<td>922</td>
<td>1,396</td>
<td>1,686</td>
<td>2,531</td>
<td>2,749</td>
</tr>
</tbody>
</table>

**Hypotheses:**
Distribution of published posts by language

<table>
<thead>
<tr>
<th>LANGUAGE OF POST</th>
<th>% (as of 31/12/2018)</th>
</tr>
</thead>
<tbody>
<tr>
<td>French</td>
<td>56,5</td>
</tr>
<tr>
<td>German</td>
<td>21.2</td>
</tr>
<tr>
<td>English</td>
<td>14.2</td>
</tr>
<tr>
<td>Portuguese</td>
<td>4.0</td>
</tr>
<tr>
<td>Spanish</td>
<td>2.3</td>
</tr>
<tr>
<td>Italian</td>
<td>1.0</td>
</tr>
<tr>
<td>Other languages</td>
<td>0.8</td>
</tr>
</tbody>
</table>
Calenda: The indispensable reference with over 40,000 events

Calenda:
Annual number of suggested and published ads (2000-2018)

Some events are published in several languages:
- French
- Spanish
- English
- Italian
- German
- Portuguese
- Other
OpenEdition Freemium is a partnership offered to institutions (libraries, campuses, research centres), and one that aims to build a sustainable business model for open access. The programme consists of two offers, one dedicated to journals, and the other to book collections. 2018 was marked by two major agreements nationwide in France. As a result of the Digital Republic Act of October 2016, the state established a support plan for scientific publishing, which has enabled support for the Freemium offer for journals and has consolidated turnover for four years.

The state has set up a purchasing group and encouraged libraries to join it. In addition, ISTEX, an ambitious national programme for the purchasing of scientific resources, has acquired 1,200 works, benefiting 300 institutions¹. These two operations make our offers in France more widely known and confirm that it is possible to progressively develop open and balanced digital publishing from an economic point of view.

¹. A quarter of the revenue is attributed to book sales turnover in 2018; the remaining three quarters will be included in the 2019, 2020, 2021 sales turnovers respectively.
The services associated with Freemium offers

FORMATS
• PDFs and ePubs (without DRM or quotas)
• HTML for books in exclusive access
• A user-friendly reading format for books
• Sustainability of data and data access

DASHBOARDS
• Purchaser area: A personal space to manage purchases and collections
• COUNTER statistics (accessible via SUSHI)
• Purchase suggestions

SUPPLY AND DATA SERVICE
• MARC entries (Marc 21 and Unimarc)
• Coverage lists (Kbart format option)
• OAI-PMH repository, Dublin Core metadata by URL resolution, ISBN resolver
• Calenda webservice
• Crosslinking via DOIs

REFERENCING
• Integration into discovery tools (DOAJ, DOAB, Ebsco AtoZ, Ebsco Discovery Service, Ex-Libris SFX, Serial Solutions, Proquest Summon, etc.) and umbrella catalogues (SUDOC, Worldcat)

INFORMATION
• Unlimited alerts and subscriptions
• RSS feeds
• Search engine
• Catalogues
• OPDS
• Books catalogue filter: “Institution access”

SUPPORT, TRAINING AND GOVERNANCE
• A contact person
• Training courses
• Communications materials for users
• Participation in the Users’ Committee

CUSTOMIZATION
• Name and logo of the library on ePub and PDF versions
• Name and logo of the library on the homepage and in the navigation bar
### OpenEdition Freemium turnover (2012-2018 - in euros)

<table>
<thead>
<tr>
<th>Year</th>
<th>JOURNALS</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>95,000</td>
<td>141,500</td>
<td>187,500</td>
<td>197,000</td>
<td>208,600</td>
<td>245,750</td>
<td>473,400</td>
</tr>
<tr>
<td>BOOKS</td>
<td>-</td>
<td>-</td>
<td>284,500</td>
<td>318,000</td>
<td>368,200</td>
<td>260,200</td>
<td>416,250</td>
<td>+59.97%</td>
</tr>
<tr>
<td>JOURNALS + BOOKS</td>
<td>-</td>
<td>-</td>
<td>472,000</td>
<td>515,000</td>
<td>576,800</td>
<td>505,950</td>
<td>889,650</td>
<td>+75.84%</td>
</tr>
</tbody>
</table>

### Distribution of income from Freemium offers (%)

- **Publishers**: 66.6%
- **OpenEdition**: 33.4%

Breakdown of sales by digital bookseller (2018 - in euros)


Location of subscribers and access points to OpenEdition in 2018

<table>
<thead>
<tr>
<th></th>
<th>Number of subscribers and institutions with access via a national licence or on a free basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL</td>
<td>495</td>
</tr>
<tr>
<td>FRANCE</td>
<td>350</td>
</tr>
<tr>
<td>EUROPE outside France</td>
<td>28</td>
</tr>
<tr>
<td>WORLD outside Europe</td>
<td>117</td>
</tr>
</tbody>
</table>
OpenEdition,
serving demanding, loyal
and diverse communities
The world of research entrusts us with its content

38 candidate journals in 2018

1,600 books published in 2018

15 applications per week

1,600 books published in 2018

1,600 books published in 2018

Everyday users

47,800 Number of subscribers to the OpenEdition newsletter (in French and English)

10,300 Number of subscribers to the Twitter account @openeditionactu*

23,000 User accounts with writing permission on one of our platforms (via Lodel and Wordpress)

240 Number of people trained (training courses in Paris, Lyon and Marseille)

1,870 Requests for support processed for OpenEdition Journals and OpenEdition Books

* See all OpenEdition accounts:
Twitter: @OpenEditionActu @Hypothesesorg @CalendaSHS @OpenEditionPro @OpenEditionNews
Facebook: OpenEdition @openedition, Hypotheses.org@hypotheses.org, Calenda @calendaSHS
The support of libraries and institutions that use our services

169 libraries and institutions subscribed to the Freemium programme (journals)

Views of OpenEdition Journals

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>JR1 All</td>
<td>2,253,935</td>
<td>2,522,300</td>
<td>2,758,775</td>
<td>3,101,419</td>
</tr>
</tbody>
</table>

These measurements comply with the COUNTER 4 standard. OpenEdition will move to the COUNTER 5 standard in 2019. Proxyfication of French institutions tends to reduce the measurements; many views are outside the proxies.

20 FRENCH LIBRARIES AND INSTITUTIONS DOWNLOADING THE MOST IN 2018

<table>
<thead>
<tr>
<th>Library/University</th>
<th>Number of Downloads</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. TOULOUSE MIDI-PYRÉNÉES FEDERAL UNIVERSITY</td>
<td>95,500</td>
</tr>
<tr>
<td>2. PARIS NANTERRE UNIVERSITY</td>
<td>80,295</td>
</tr>
<tr>
<td>3. NATIONAL FOUNDATION OF POLITICAL SCIENCES</td>
<td>77,136</td>
</tr>
<tr>
<td>4. LYON 2 LUMIÈRE UNIVERSITY</td>
<td>76,535</td>
</tr>
<tr>
<td>5. PARIS 1 PANTHÉON-SORBONNE UNIVERSITY</td>
<td>76,103</td>
</tr>
<tr>
<td>6. UNIVERSITY OF ROUEN – UNIVERSITY LIBRARY</td>
<td>57,491</td>
</tr>
<tr>
<td>7. LILLE 3 UNIVERSITY</td>
<td>52,912</td>
</tr>
<tr>
<td>8. RENNES 2 UNIVERSITY</td>
<td>52,020</td>
</tr>
<tr>
<td>9. AIX-MARSEILLE UNIVERSITY (AMU)</td>
<td>47,159</td>
</tr>
<tr>
<td>10. INTER-UNIVERSITY LIBRARY OF MONTPELLIER</td>
<td>43,226</td>
</tr>
<tr>
<td>11. SAINTE-BARBE LIBRARY - PARIS 3 SORBONNE NOUVELLE UNIVERSITY</td>
<td>41,958</td>
</tr>
<tr>
<td>12. TOULOUSE 2 - JEAN JAUÑÉS UNIVERSITY</td>
<td>40,969</td>
</tr>
<tr>
<td>13. CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)</td>
<td>38,646</td>
</tr>
<tr>
<td>14. UNIVERSITY OF LORRAINE</td>
<td>37,372</td>
</tr>
<tr>
<td>15. LIBRARY OF THE UNIVERSITY OF ANGERS</td>
<td>37,219</td>
</tr>
<tr>
<td>16. ÉCOLE DES HAUTES ÉTUDES EN SCIENCES SOCALES (EHESS)</td>
<td>34,720</td>
</tr>
<tr>
<td>17. PUBLIC INFORMATION LIBRARY</td>
<td>31,866</td>
</tr>
<tr>
<td>18. UNIVERSITY LIBRARY OF LANGUAGES AND CIVILIZATIONS</td>
<td>30,803</td>
</tr>
<tr>
<td>19. INSTITUTE OF LIFE AND ENVIRONMENT SCIENCE AND INDUSTRIES – PARISAGROTECH</td>
<td>30,497</td>
</tr>
<tr>
<td>20. LYON ENS DIDEROT UNIVERSITY</td>
<td>29,847</td>
</tr>
</tbody>
</table>
## 20 Libraries and Non-French Institutions Downloading the Most in 2018

<table>
<thead>
<tr>
<th>Rank</th>
<th>Library</th>
<th>Downloads (JR1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Libraries of the University of Montreal</td>
<td>161,586</td>
</tr>
<tr>
<td>2</td>
<td>Lausanne Cantonal and University Library</td>
<td>84,904</td>
</tr>
<tr>
<td>3</td>
<td>Laval University Library</td>
<td>68,744</td>
</tr>
<tr>
<td>4</td>
<td>Université du Québec à Montréal</td>
<td>65,459</td>
</tr>
<tr>
<td>5</td>
<td>Archives &amp; Libraries of the Université Libre de Bruxelles (ULB)</td>
<td>53,276</td>
</tr>
<tr>
<td>6</td>
<td>University of Geneva / Graduate Institute / Geneva Library</td>
<td>47,346</td>
</tr>
<tr>
<td>7</td>
<td>University of Liège</td>
<td>46,628</td>
</tr>
<tr>
<td>8</td>
<td>University of Ottawa</td>
<td>31,557</td>
</tr>
<tr>
<td>9</td>
<td>Catholic University of Leuven</td>
<td>27,728</td>
</tr>
<tr>
<td>10</td>
<td>Fribourg Cantonal and University Library</td>
<td>25,488</td>
</tr>
<tr>
<td>11</td>
<td>University of Neuchâtel</td>
<td>22,102</td>
</tr>
<tr>
<td>12</td>
<td>University of Sherbrooke</td>
<td>22,085</td>
</tr>
<tr>
<td>13</td>
<td>Université du Québec en Outaouais</td>
<td>10,632</td>
</tr>
<tr>
<td>14</td>
<td>Libraries of Saint-Louis University - Brussels</td>
<td>10,571</td>
</tr>
<tr>
<td>15</td>
<td>Université du Québec à Trois-Rivières</td>
<td>10,433</td>
</tr>
<tr>
<td>16</td>
<td>Columbia University Libraries</td>
<td>9,602</td>
</tr>
<tr>
<td>17</td>
<td>TÉLUQ University of Québec</td>
<td>7,078</td>
</tr>
<tr>
<td>18</td>
<td>Harvard Library</td>
<td>6,725</td>
</tr>
<tr>
<td>19</td>
<td>Cornell University</td>
<td>4,960</td>
</tr>
<tr>
<td>20</td>
<td>Yale University Library</td>
<td>4,892</td>
</tr>
</tbody>
</table>

### Focus on France

<table>
<thead>
<tr>
<th>Library</th>
<th>Downloads (JR1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toulouse Midi-Pyrénées Federal University</td>
<td>95,500</td>
</tr>
<tr>
<td>Paris Nanterre University</td>
<td>80,295</td>
</tr>
<tr>
<td>National Foundation of Political Sciences</td>
<td>77,136</td>
</tr>
<tr>
<td>Paris 1 Panthéon-Sorbonne University</td>
<td>76,103</td>
</tr>
</tbody>
</table>

### Focus around the World

<table>
<thead>
<tr>
<th>Library</th>
<th>Downloads (JR1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Libraries of the University of Montreal</td>
<td>161,586</td>
</tr>
<tr>
<td>Archives &amp; Libraries of the Université Libre de Bruxelles (ULB)</td>
<td>53,276</td>
</tr>
<tr>
<td>Columbia University Libraries</td>
<td>6,725</td>
</tr>
<tr>
<td>Yale University Library</td>
<td>4,892</td>
</tr>
</tbody>
</table>
As a joint service and research unit, OpenEdition hosts a variety of research and R&D projects within OpenEdition Lab. The objective of OpenEdition Lab is to enable the creation of new knowledge, but also to test and point towards the deployment of innovative services on OpenEdition. The four research areas of OpenEdition Lab are:

→ **An open laboratory**: Open laboratory data for the benefit of the scientific community
→ **Open science and society**: Experiments to strengthen the links between open science and society
→ **Understanding uses**: Quantitative and qualitative research on the ways in which OpenEdition is used
→ **Text and data mining**: Mining texts and data for new services and new knowledge
OpenEdition Lab projects

➔ **Bilbo**
The software is being rewritten to allow for maintenance and to take into account the needs of research partners. A technical study was carried out in June 2018 and a service on the new version of the software will be delivered at the end of the 1st quarter of 2019.

➔ **Targeted recommendation system**
As part of the Equipment of Excellence (Equipex) and in collaboration with the Laboratory of Informatics and Systems (LIS), the R&D projects aim to achieve a targeted recommendation system based on textual data and the automatic generation of hyperlinks. The second thesis on the recommendation of books by analysis of contents and feelings tailored to collections of works in the HSS will be defended at a viva in 2019.

➔ ** Appropriations of open knowledge**
Extending our research activities to the users of the platforms, the “Appropriations of open knowledge” project (2018-2020), funded by the Aix-Marseille University Foundation, A * Midex, consists in understanding uses on OpenEdition platforms by looking for correlations between the content and uses identified in order to define scenarios around the propagation and appropriation of scientific information.

➔ **OpenEdition data**
As part of the open data movement, the OpenEdition data project aims to make data on our platforms more accessible. The feasibility study has made it possible to assess the state-of-the-art and open data needs in scientific publishing and to develop an implementation strategy for 2019.
Towards a complete targeted reading recommendation system for scientific publications


Start of searches on BILBO

BILBO 1 in test phase and evaluation of BIBLIO 1

Implementation of BILBO 1 on Revues.org

OpenEdition Review of Books demonstrator
ECHO in test phase

GRAPHER demonstrator tested on the journal Asp

Implementation of BILBO 1 on OpenEdition Books

GRAPHER demonstrator implemented on all Revues.org journals

BILBO 2 in test phase
MORE LIKE THIS in test phase on Calenda

First results of UMBERTO, the unexpected reader detector

Technical study of BILBO

Implementation of MORE LIKE THIS on Calenda

OpenEdition data feasibility study

Postdoctoral research by Young-Min Kim

Thesis by Hussam Hamdam
OpenEdition Review of Books, Paca Regional Council

Thesis by Chahinez Benkoussas
Intertexts, Caisse des Dépôts et Consignations PIA Development of the Digital Economy

Thesis by Anaïs Ollagnier
Equipex DILOH

Thesis by Amal Htait
Equipex DILOH

Alpha Uses (ISTEX)

Appropriations of open knowledge (A*Mides)
**Bibliographic enrichments**

<table>
<thead>
<tr>
<th>Year</th>
<th>Bibliographic references</th>
<th>Bibliographic references where DOIs have been found</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>1,042,780</td>
<td>102,516</td>
<td>9.80</td>
</tr>
<tr>
<td>2015</td>
<td>1,415,161</td>
<td>140,221</td>
<td>9.90</td>
</tr>
<tr>
<td>2016</td>
<td>1,623,763</td>
<td>166,490</td>
<td>10.20</td>
</tr>
<tr>
<td>2017</td>
<td>2,013,976</td>
<td>239,621</td>
<td>11.90</td>
</tr>
<tr>
<td>2018</td>
<td>2,250,000</td>
<td>284,960</td>
<td>12.66</td>
</tr>
</tbody>
</table>

**Number of DOIs on OpenEdition Books**

<table>
<thead>
<tr>
<th>Year</th>
<th>Bibliographic references</th>
<th>Bibliographic references where DOIs have been found</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>396,049</td>
<td>19,132</td>
<td>4.80</td>
</tr>
<tr>
<td>2016</td>
<td>494,852</td>
<td>24,891</td>
<td>5.00</td>
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<tr>
<td>2017</td>
<td>764,754</td>
<td>53,896</td>
<td>7.05</td>
</tr>
<tr>
<td>2018</td>
<td>998,140</td>
<td>78,650</td>
<td>7.88</td>
</tr>
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</table>
### Number of “Cited by” on OpenEdition Journals

<table>
<thead>
<tr>
<th>Year</th>
<th>Citable documents</th>
<th>Documents cited at least once</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>88,800</td>
<td>11,100</td>
<td>12.50</td>
</tr>
<tr>
<td>2018</td>
<td>107,590</td>
<td>15,930</td>
<td>14.81</td>
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</tbody>
</table>

### Number of “Cited by” on OpenEdition Books

<table>
<thead>
<tr>
<th>Year</th>
<th>Citable documents</th>
<th>Documents cited at least once</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>75,930</td>
<td>2,003</td>
<td>2.64</td>
</tr>
<tr>
<td>2018</td>
<td>104,380</td>
<td>2,800</td>
<td>2.68</td>
</tr>
</tbody>
</table>

### Number of purchased DOIs (cumulative)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>46,448</td>
<td>54,260</td>
<td>70,375</td>
<td>143,383</td>
<td>171,720</td>
<td>211,707</td>
</tr>
</tbody>
</table>
International development: “high strategic potential area”
International activity was structured in 2018 around the development of the European OPERAS infrastructure.

**Enlargement and stabilisation of the infrastructure:** It now has 38 partners from 15 European countries. Nine partners now form the Core Group, which ensures the strategic development of the infrastructure. In addition, the coordination team was expanded and structured. The coordination of OPERAS is now led by the two French infrastructures OpenEdition and Huma-Num through its two coordinators: Suzanne Dumouchel for Huma-Num, and Pierre Mounier for OpenEdition.

**OPERAS-D project:** Funded by the European Commission as part of the H2020 Framework Programme, this project ended in June 2018. It allowed OPERAS to conduct its design study, to carry out communications work, to expand, and finally to apply for the ESFRI roadmap. This application led to ESFRI’s identification of a “high strategic potential area” in the human and social sciences in OPERAS’s very own field. This should allow the infrastructure to benefit from EU support to continue its preparation work.

**HIRMEOS project:** Technical development and implementation around high value-adding services for open access books continued. Critical services and ones more immediately usable by researchers and the public have been implemented, such as certification services, open annotation and metrics. Significant publication and communications work was carried out in partnership with the University of Göttingen, which made the HIRMEOS project more widely known, in Europe and North America especially.

The year was also devoted to preparing for future EU projects with OPERAS partners, implementing the design study carried out thanks to the OPERAS-D project. Three projects have been prepared, which will result in a submission in 2019. One of these, led by the Huma-Num infrastructure, is a good illustration of the synergies that the two infrastructures have developed, particularly at the international level.

Lastly, we used 2018 to integrate OpenEdition’s bilateral partnerships into OPERAS in various European countries (Italy, Portugal, Poland). This strategic action was carried out in anticipation of the end of Equipex funding.
OPERAS Partners

OPERAS gathers 38 organisations from 15 countries and is led by a 9 members core group. OPERAS is coordinated from France by OpenEdition and Huma-Num.
System and software architecture
High availability schema

With a budget of €180,000 from the State-Region Plan Contract (CPER), we were able to invest in a new computer rack and new servers, which support a ramp-up in use and the increased complexity of our services. We carried out a complete modernization of our hardware infrastructure and a revision of our agreement with the IN2P3 Computer Center (CCIN2P3 / CNRS), which takes into account the general ramp-up of our platforms. We have purchased a robust storage solution and powerful servers that are much superior in density. During 2018, all of our platforms and services were migrated to these new devices, with older equipment being recycled to the greatest possible extent as back-up storage and various calculation resources (statistics, text mining).

The high availability system architecture is therefore constantly evolving and less subject to technical debt than the software layers. The architecture is primarily based on the principle of load balancing on several servers and the use of multi-layer cache systems. It is implemented in a virtualized system environment that allows optimization of hardware resources and facilitates the allocation of additional resources when needed.
OpenEdition Information System

The platform’s information system and software architecture are organized around the Core (Central OpenEdition Registry) service. Core is based on the Lucene SolR indexing engine, which aggregates content produced in heterogeneous software environments (Wordpress and Lodel for the publication of content) and allows the automatic enrichment of documents (DOIs, ORCID, enrichment of bibliographical references, “Cited by”). The Freemium space (an internally developed application) in turn enables marketing and management of authorizations to access published content.

Among the developments in 2018, it is worth noting:
- the implementation of a new version of OpenEdition Search, the platform’s search engine;
- the use of new external data enrichment services (shown in blue on the following diagram): ORCID, CrossRef Funder Registry, Entity Fishing (detection of named entities), Hypothes.is.
In conclusion
Towards twenty new years in the service of open science

What should be our roadmap for the next 10 or 20 years? The evaluation of OpenEdition conducted in 2017 by Research Consulting offered up many lessons. The evaluation concludes that “the technical capacity of OpenEdition is highly appreciated by all stakeholders. OpenEdition offers a unique academic platform of its kind”. It emphasizes the service provided to publishers: “OpenEdition is able to offer increased visibility to publishers. As part of the work to be developed, the expert analysis indicates that OpenEdition “can more intensively add value to its content among international stakeholders”. Other things that are highlighted are “opportunities to valorize the richness and diversity of content”, as well as the opportunity represented by “an international expansion towards libraries”. In terms of risks, the report emphasizes that “the growth rate of the social sciences and humanities market is weak”. Finally, there is also a risk of free-riding behavior when content is disseminated in open access, with actors using the resource without investing in its long-term viability through financial support. Research Consulting has proposed eight operational directions arising from this review, ranging from more explicit signposting of peer review processes to the development of an OpenEdition ambassador programme, the mapping of “trade” processes and increasing the transparency of the Freemium model.

All of these proposed directions offer rich raw material for advancing OpenEdition’s services in the years to come. We know that we will not do it alone, but increasingly in close synergy with national and international open science actors. From universities to research organizations, libraries to data infrastructures, researchers to publishers, ID providers (such as ORCID, Datacite or Crossref) to labelling platforms (DOAJ, DOAB, etc.), all have a role to play. In other words, our future lies in sensibly positioning ourselves in a vast ecosystem in which each actor reinforces its added value and complementarity with others. From a technological point of view, this direction of travel offers an opportunity to modularize our software base and reduce our technical debt. More than ever, OpenEdition must be at the service of its users, all of its users.

The infrastructure must also be guided by the open science paradigm, which consists of opening up publications, but also processes and data. We need to contribute to research that is more transparent, more accessible, and more open to society.
Annex 1.
Données budgétaires 2018.

<table>
<thead>
<tr>
<th>Type</th>
<th>Total amount (€)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXPENDITURE</td>
<td></td>
</tr>
<tr>
<td>Type</td>
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</tr>
<tr>
<td>PAYROLL</td>
<td>2,937,049.82</td>
</tr>
<tr>
<td>A. OpenEdition (editorial, documentary and scientific), management and international development</td>
<td>960,837.00</td>
</tr>
<tr>
<td>B. OpenEdition (technology platform)</td>
<td>418,103.00</td>
</tr>
<tr>
<td>C. OpenEdition Books</td>
<td>319,166.00</td>
</tr>
<tr>
<td>D. OpenEdition journals</td>
<td>326,879.41</td>
</tr>
<tr>
<td>E. Calenda</td>
<td>76,376.27</td>
</tr>
<tr>
<td>F. Hypothèses</td>
<td>166,999.83</td>
</tr>
<tr>
<td>G. OpenEdition Lab</td>
<td>104,907.00</td>
</tr>
<tr>
<td>H. Freemium</td>
<td>334,030.99</td>
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<tr>
<td>I. Provisioning in terms of Freemium-financed permanent contracts</td>
<td>229,750.32</td>
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<tr>
<td>MISSIONS</td>
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<tr>
<td>PUBLIC PROCUREMENT UNDER EQUIPEX</td>
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</tr>
<tr>
<td>DELIVERY OF SERVICES</td>
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</tr>
<tr>
<td>EQUIPMENT</td>
<td>40,000.00</td>
</tr>
<tr>
<td>FUNCTIONNING</td>
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</tr>
<tr>
<td>Type</td>
<td>Total amount (€)</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>------------------</td>
</tr>
<tr>
<td>Total amount</td>
<td>3,767,256.31</td>
</tr>
<tr>
<td>TENURED PAYROLL</td>
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</tr>
<tr>
<td>GRANTS</td>
<td>680,000.00</td>
</tr>
<tr>
<td>AU</td>
<td>20,000.00</td>
</tr>
<tr>
<td>AMU</td>
<td>56,000.00</td>
</tr>
<tr>
<td>EHESS</td>
<td>40,000.00</td>
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<tr>
<td>CNRS</td>
<td>64,000.00</td>
</tr>
<tr>
<td>MESRI</td>
<td>500,000.00</td>
</tr>
<tr>
<td>INCOME MANAGED BY PROTISVALOR MEDITERRANÉE</td>
<td>348,904.00</td>
</tr>
<tr>
<td>Journal styling service</td>
<td>11,600.00</td>
</tr>
<tr>
<td>Freemium income (33.40% of 2018 turnover)</td>
<td>297,143.00</td>
</tr>
<tr>
<td>Cairn income</td>
<td>40,161.00</td>
</tr>
<tr>
<td>PROJECTS</td>
<td>1,392,400.00</td>
</tr>
<tr>
<td>Equipex DILOH</td>
<td>1,046,000.00</td>
</tr>
<tr>
<td>CPER (CP)</td>
<td>146,000.00</td>
</tr>
<tr>
<td>Amidex appropriations</td>
<td>90,400.00</td>
</tr>
<tr>
<td>Hirmeos</td>
<td>82,000.00</td>
</tr>
<tr>
<td>Operas D</td>
<td>28,000.00</td>
</tr>
<tr>
<td>Non-tenured payroll income</td>
<td>2,421,304.83</td>
</tr>
</tbody>
</table>
Annex 2.
Referencing.
Main bases for referencing

Journals
Directories, catalogues and search engines
DOAJ (Directory of Open Access Journals)
Base (Bielefeld Academic Search Engine)
EZB (Elektronische Zeitschriftenbibliothek)
Google Scholar
Journal TOCs
Latindex
Mir@bel
Sudoc (catalog of the University Documentation System)
Isidore
OpenAIRE
WorldCat (OCLC)

Tools used in libraries
BACON (Base de Connaissance Nationale - ABES)
AtoZ (EBSCO)
360 Core (Serials Solutions)
SFX (Exlibris)
LinkSolver (Ovid)
EBSCO Discovery Service
Summon (Proquest)
Primo Central (Exlibris)

Books
Directories, catalogues and search engines
DOAB (Directory of Open Access Books)
Google Scholar
Sudoc (catalog of the University Documentation System)
Isidore
OpenAIRE
WorldCat (OCLC)

Tools used in libraries
BACON (Base de Connaissance Nationale - ABES)
AtoZ (EBSCO)
360 Core (Serials Solutions)
SFX (Exlibris)
LinkSolver (Ovid)
EBSCO Discovery Service
Summon (Proquest)
Primo Central (Exlibris)