

1science

1science—Your open access solution

The [1science](#) Analytics and SaaS Solution for OA facilitates the acquisition and diffusion of open access articles by researchers, students and librarians. 1science is affiliated with [Science-Metrix](#), the leading expert in bibliometrics and the evaluation of knowledge production, and is headquartered in Montreal, Canada.

oAfindr

Did you know that about 60% of the papers published in peer-reviewed journals are available in open access (OA)? Unfortunately, they're dispersed all over the Web, and finding them can be tedious and time-consuming. Currently, few OA articles can be found in university discovery systems or through link resolvers, nor is there a freestanding collection that reflects the huge number of OA articles made available by publishers or archived by librarians and researchers.

If you would like your patrons to get direct, painless access to more than 20 million OA papers, [oAfindr](#) might be the solution you're looking for. This System as a Service harvests only gratis OA papers, meaning that articles can be downloaded and read by your patrons just like with a regular journal subscription.

[oAfindr](#) is a great solution for institutions wanting to embrace and actively participate in the open access revolution. It can help institutions that have previously tried to make more use of OA but were dissatisfied with the lack of quality and the instability of the few solutions available to them. It is also useful for institutions experiencing flat or reduced budgets and being forced to cut subscriptions because the cost of these is increasing faster than library budgets are growing. It can help librarians who feel they are spending too much time and money checking whether articles are available in open access before ordering them through Inter Library Loans. The solution is also advantageous to institutions looking to expand their holdings when they can no longer afford to subscribe to all the journals that their students and faculty may need.

With a growing collection of more than 20 million papers directly accessible through EBSCO, OCLC, and ProQuest/Ex Libris discovery systems and link resolvers, [oAfindr](#) is very much like a gigantic subscription package.

[oAfindr](#) harvests metadata and hyperlinks to green, gold and hybrid OA articles in the arts, humanities, and social, behavioral, natural and health sciences. The system selectively harvests valuable information on open access papers from more than 250,000 sites, retrieving only scholarly and scientific papers published in 60,000 peer-reviewed/refereed journals. [oAfindr](#)

then triangulates, de-duplicates and curates the resulting metadata, which is consolidated in a homogeneous collection, very much like a gigantic subscription package.

In contrast to what you would pay for a traditional journal package subscription of that size, with [oaFindr](#) you only pay a comparatively small amount for the technology we have developed at 1science and for our harvesting and data curating services. All the papers are yours for free, making for a very cost-effective solution that eliminates the time spent on searching, sorting and discarding poor-quality or irrelevant content types.

About 50% of the articles in [oaFindr](#) come from journals covered by the Web of Science and can be used as a fallback should you have to cut some of your seldom-used and less cost-effective packages or journal subscriptions. The other 50% can greatly expand your collection with articles published in peer-reviewed journals from all over the world, many of which are not typically available in any of your subscription packages.

Subscribers to the System as a Service access all 20 million papers directly from their discovery systems and link resolvers (early autumn 2016 availability for EBSCO, OCLC, and ProQuest/Ex Libris products). They can also query and browse [oaFindr's](#) user-friendly search and discovery software.

[oaFindr](#) is the one and only solution for institutions that are sensitive to how precious faculty's and students' time is and want to provide swift access to tens of millions of full-text OA articles published in peer-reviewed journals, together with their metadata.



[oaFindr+](#) does everything [oaFindr](#) does in addition to helping librarians find their researchers' green, gold and hybrid open access papers, wherever they are on the Internet.

Many university libraries have concentrated on developing Electronic Theses and Dissertations (ETD) repositories, but for many of them the archiving of papers published in peer-reviewed journals is nowhere near as advanced. In fact, work conducted at 1science shows that the majority of institutional repositories (IR) contain less than 5% of the papers produced by the researchers at those institutions.

Yet research-funding organizations are increasingly promulgating open access mandates, and it is currently close to impossible for institutions to verify their level of compliance. This is because while students are ready to comply and see their theses and dissertations available in an IR, researchers often have their own self-archiving habits. With [oaFindr+](#), librarians can rapidly become aware of everything already available in OA and concentrate on filling the gaps, instead of duplicating existing efforts.

With only a few clicks, [oaFindr+](#) provides librarians with metadata and hyperlinks to OA versions of their researchers' papers, and the available versions of these papers can then be vetted and subsequently batch uploaded to an IR and/or Current Research Information System

(CRIS). At the moment, the 1science harvesting technology can typically find about 40% to 60% of the papers published by your faculty somewhere on the Internet. In 2017, we'll also provide permanent links to the sources of all these papers so that IRs can act as hubs connecting users to the versions of record—very useful when the publisher retains rights to the papers stored on their website.



In the last two years, 1science has visited hundreds of higher education and research libraries and heard time and again that affordable tools are needed to monitor scholarly communication and support evidence-based subscription management. 1science joined forces with Science-Metrix, its sister company specializing in bibliometrics, to develop a powerful yet affordable instrument called [oAfigr](#).

Leveraging [Science-Metrix'](#) world-leading expertise in bibliometrics and combining data from 1science's [oAIdx](#) and Thomson Reuters' Web of Science, [oAfigr](#) tells librarians precisely how their OA strategy has advanced compared to other institutions and how best to use advances in OA article availability to optimize their journal subscriptions.

Typically produced once a year before the yearly journal subscription review, [oAfigr](#) has two components. The first component is designed to examine and monitor publications in scholarly journals by your [institution](#), including those available in open access. The second component examines your current journal and package [subscriptions](#) in light of your institution's current use patterns and the availability of open access articles as a substitute for and complement to items in your collection.

The institution-focused component is especially useful for libraries that play a pivotal role in providing scholarly production metrics to stakeholders such as university research offices. These data not only inform strategic planning at the university level, they are also key to managing subscriptions in helping to optimally align a library's strengths with those of its university.

The [oAfigr institution](#) component includes detailed statistics on overall published output in addition to the publications available in open access in 6 domains and some 20 fields and 175 specialties. The report includes data such as number of papers, propensity to publish in highly cited journals and to be highly cited, and where the institution is growing faster than at the world level, all per domain, field and specialty. The report includes the following information:

- **Overall publications (including in non-open access channels)**
 - Number of published peer-reviewed papers
 - Specialization: Proportion of papers in each field compared to that observed at the world level

- Growth: Absolute and relative to world trend
- Impact: Average of relative citations
- Quality: Average of relative impact factors
- **Open access**
 - Number of papers in the IR
 - Proportion of total papers found in the IR
 - Number of papers in OA (anywhere on the Internet)
 - Proportion of papers in OA (anywhere on the Internet)
 - Citedness of papers not available in OA
 - Citedness of papers available in OA
 - Citation advantage or disadvantage of OA

With universities facing static or declining budgets, solid metrics are more important than ever in supporting decision-making on journal subscriptions and ensuring libraries have the right acquisition mix. With this in mind, the second component of [oAFigR](#) helps libraries gain greater insight into the relevance of the journals they are subscribing to.

This information is useful as some journals are so critical to the faculty's workflow that cutting subscriptions to them could have an adverse effect on research. On the other hand, some subscriptions are not cost-effective because they are seldom used or, indeed never used. For these cases, it is useful to know whether there are free, open access alternatives that can be brought to your users to compensate for any journal and package cuts you may decide to make.

The [subscription](#) component of the report examines which journals your authors are publishing in and analyzes which ones they are citing. It includes the following information:

- Papers published by your own faculty in journals you are subscribing to
- Citations by your own faculty to journals you are subscribing to
- A synthetic usage indicator that reflects publications, citations and downloads for each journal and journal package you are subscribing to
- Field-normalized journal impact metrics
- 15 journal tiers—from the most used journals to those with no trace of use
- 15 subfield tiers showing whether journals fall into academic areas prized by your own researchers
- Proportion of papers available in OA in journals/packages you are subscribing to