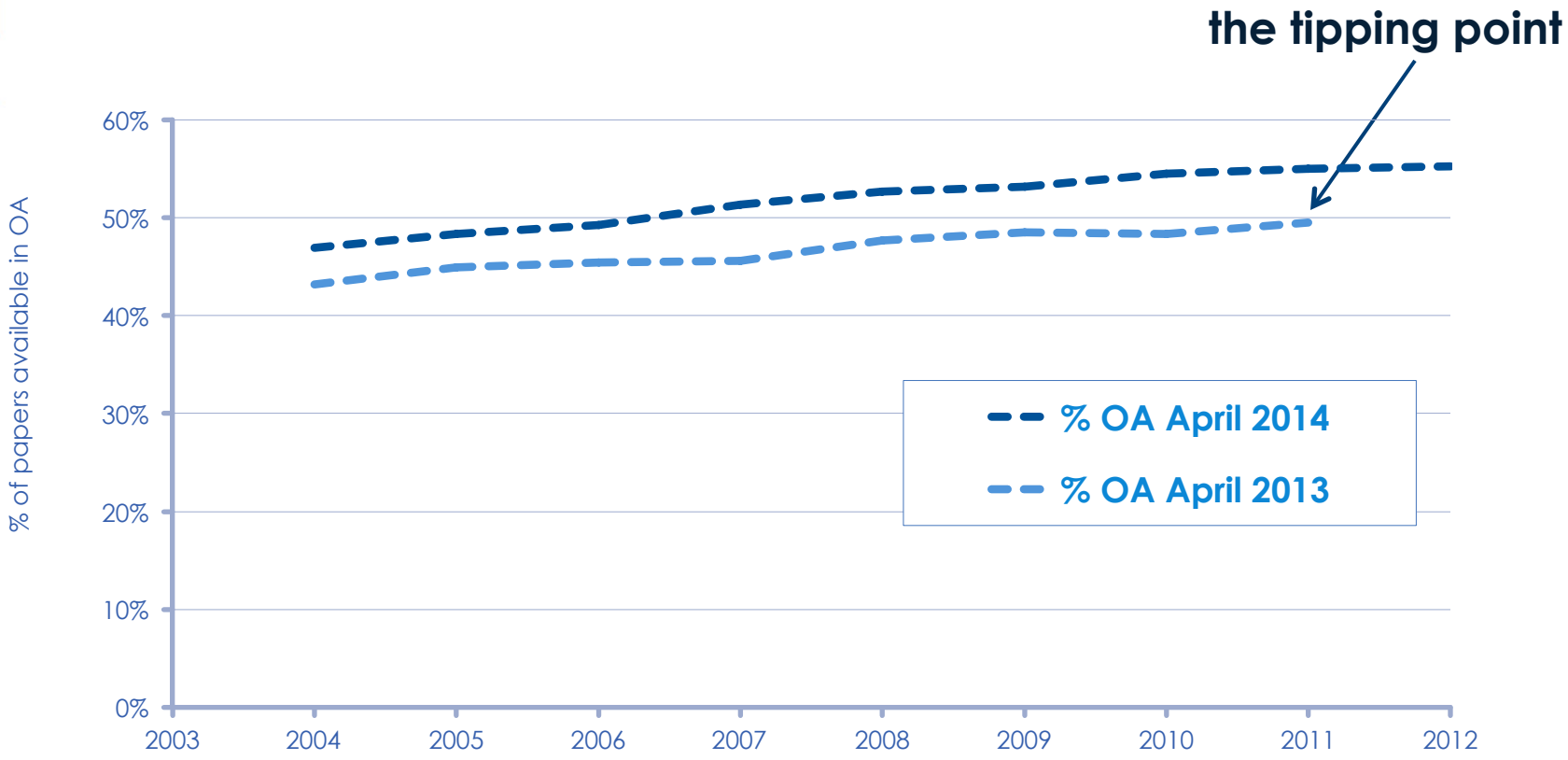

1science
Your open access solution
Affiliated with
Science-Metrix

Why is the world switching to open access?

- **Ineffectiveness**
  - $450 billion public investments in research is largely inaccessible due to subscription paywalls
- **Inequity**
  - Academia provides original contributions and manpower, but copyrights and profits go exclusively to publishers
- **Unsustainability**
  - Continuous price increases not sustainable considering flat or falling library budgets

Open access at the crossroads



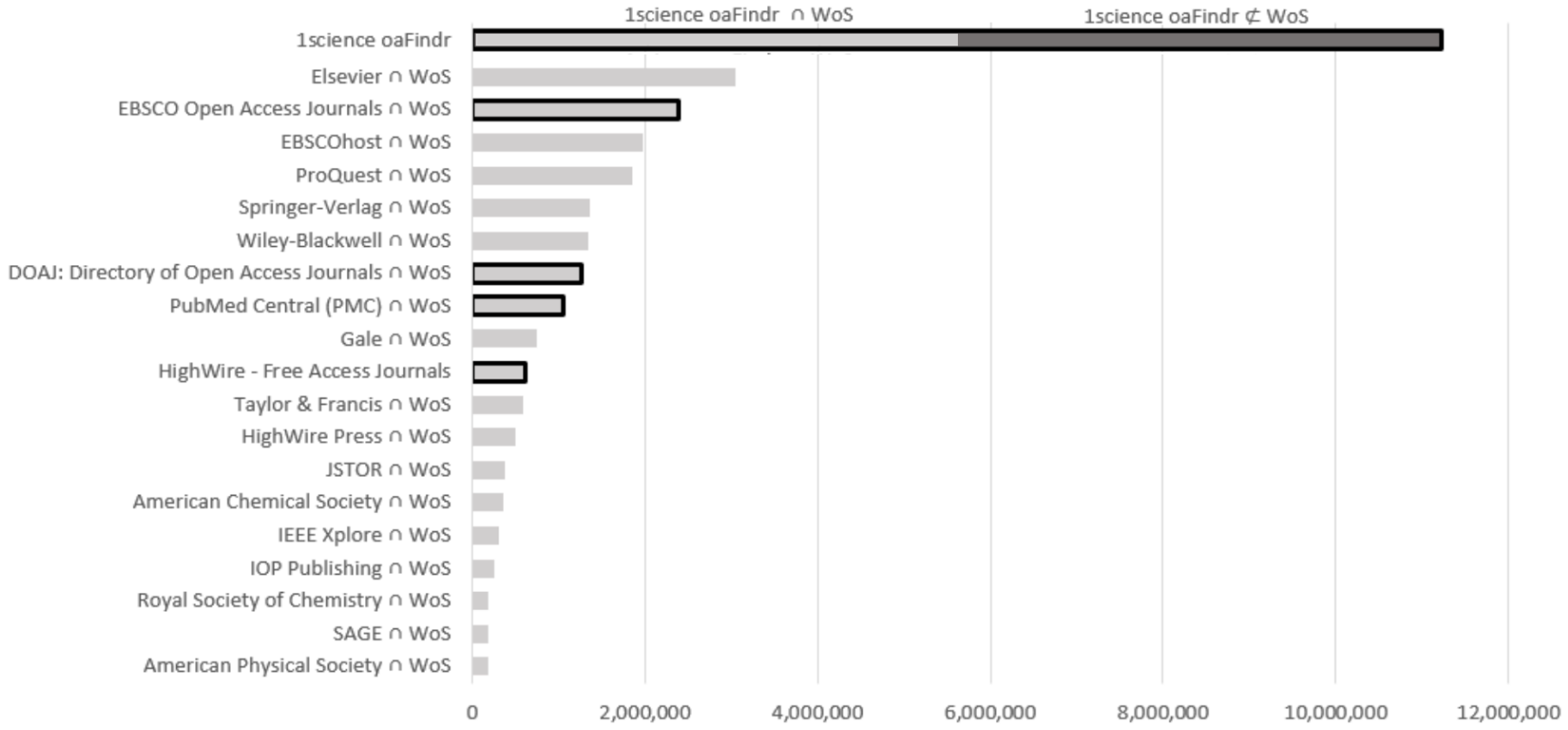
Source: Originally published in Archambault, E., et al. 2013. Proportion of Open Access Peer-Reviewed Papers at the European and World Levels—2004-2011. Produced by Science-Metrix for the European Commission.

Carefully constituted collection of high quality papers

Inclusion criteria

- Published (includes green preprints if published)
- Peer-reviewed journal
- Discoverable
- Downloadable (PDF only for now)
- Gratis OA (also contains Libre OA)

Papers per aggregators and publishers, 2006-2015



Source: Computed by Science-Metrix using Counter data, WoS, 1science oaIndx.
Note: Aggregates with black outlines are open access; oaFindr aggregates are additive (one comprises articles in journals indexed in the WoS while the second part comprises articles in journals not indexed in the WoS. Articles in WoS comprise DocType = Articles, Notes and Reviews

Harvesting, processing & accessing data

200,000 sites

5000 harvesters

DATA PIPELINE

1S Indx → Parsing → Clustering → Enrichment → Deduplication → Election → oaIndx

280M 100M 23M

ElasticSearch

Redshift

oafindr

Discover OA & integrates with EDS, PRIMO, SUMMON, OCLC Discovery & Link Resolvers

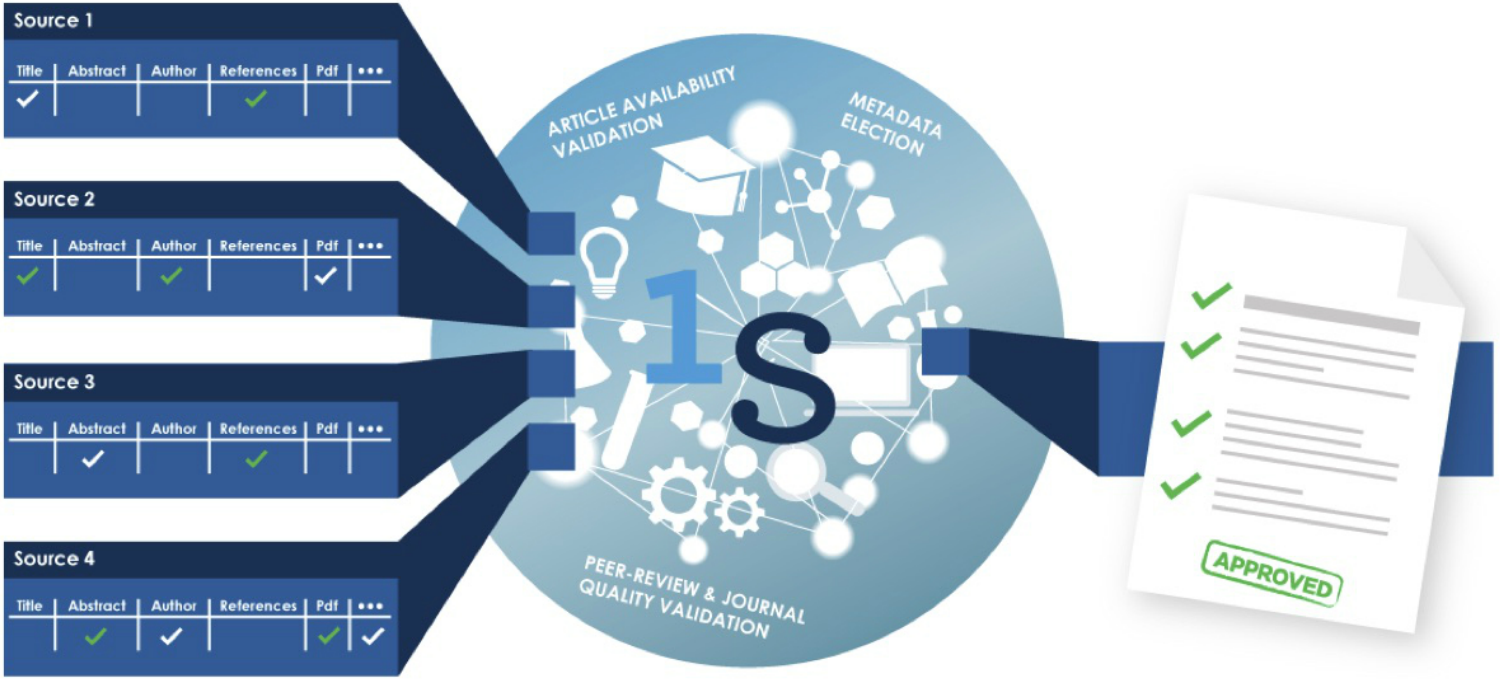
oafindr+

and, in addition, find & export records to your CRIS & institutional repository

oafigr

Analyze your publications & your subscriptions objectively

1science "election" technology



1science growing client list

Collège militaire royal
de Saint-Jean


figr

Crafted by world-renowned bibliometric experts

2 components

institution — Examines scholarly output & impact and the state of OA advance of your researchers in 200 areas of scholarly activities

subscription — Optimize subscriptions based on rigorously produced usage statistics and knowledge of OA alternative solutions

oafigr produced with Science-Metrix

Librarians can use oaFigr to

- Measure and monitor OA in their IR
  and their universities' papers made available for free by researchers and publishers all over the Web
- Gain knowledge to plan their OA strategies and tactics: see what benefits their OA strategy yields
- Strategically plan library's subscriptions by aligning them with their researcher's patterns of use
- Help decide whether to prune subscriptions to little-used packages and journals that are largely substitutable by OA content

findr & findr+

oaFindr—Referred knowledge without frontiers

What is oaFindr?

A new generation of hybrid bibliographic database, born to maximize the use of open access articles

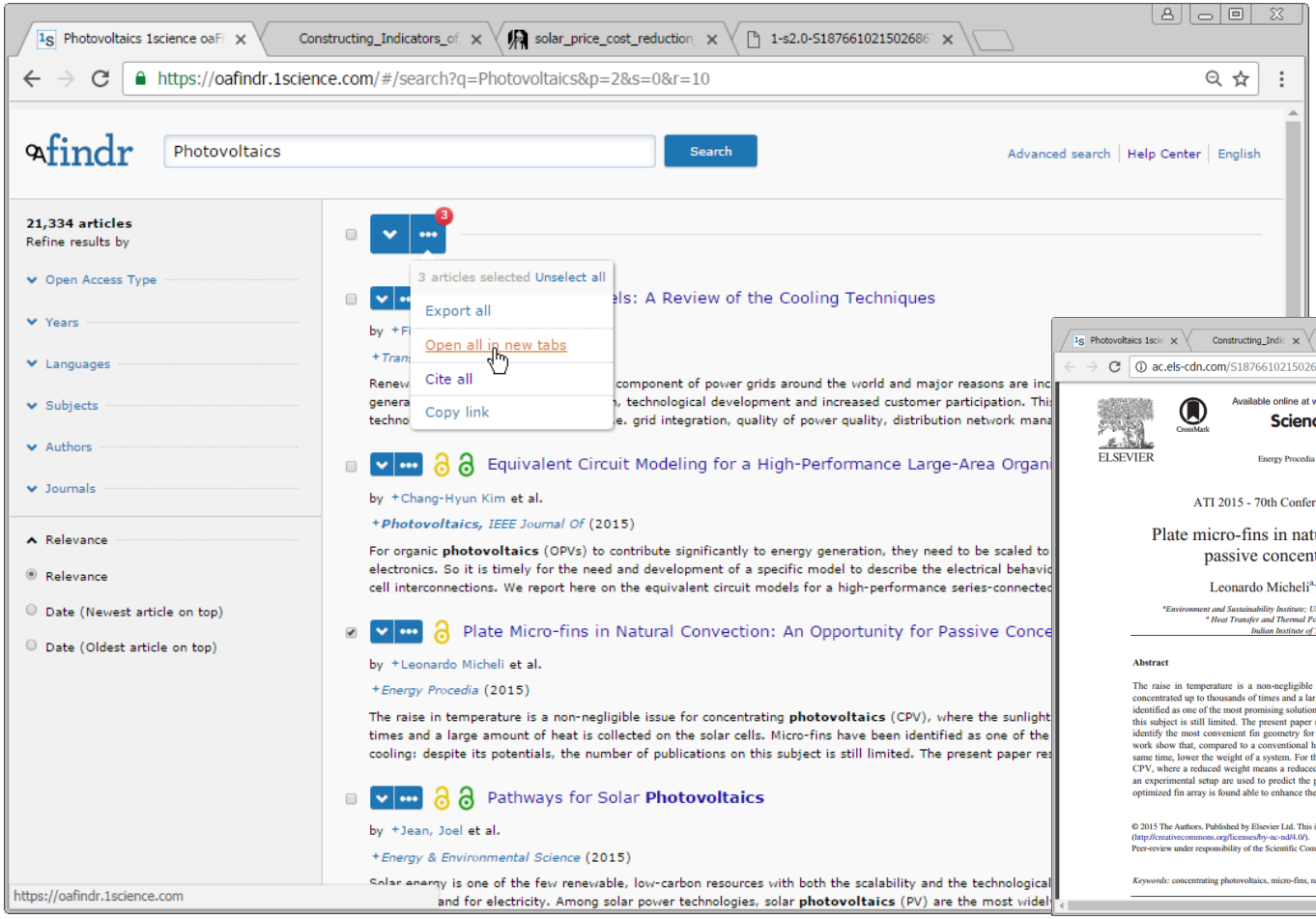
- in all fields of scholarly and research activities
- in all languages
- from all over the world

What does it include?

A growing collection of 23 million metadata records & carefully maintained hyperlinks to green, hybrid, and gold open access papers published in peer-reviewed journals

oafindr

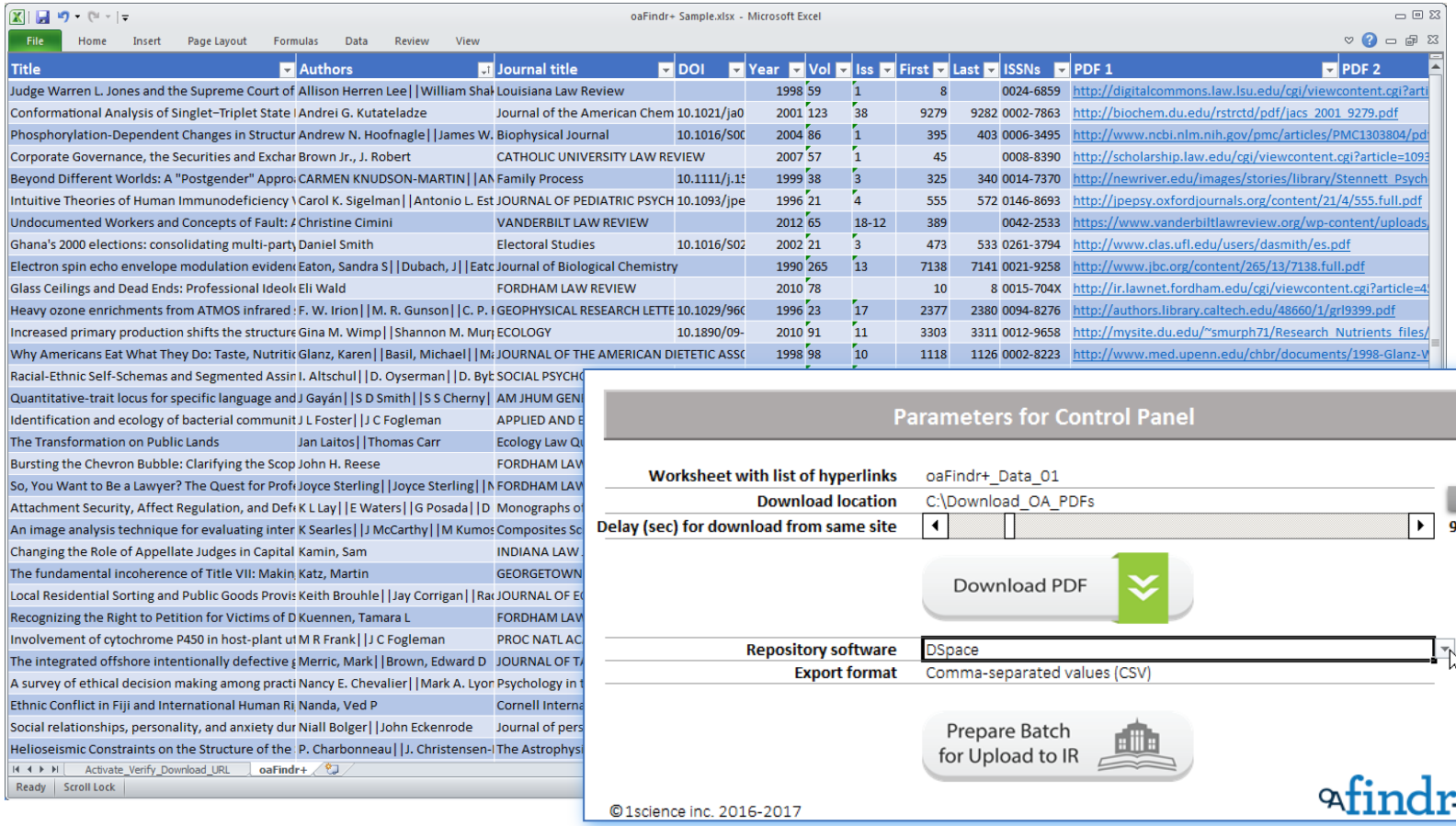
Effective use of time—one click—multiple downloads



oaFindr+ adds the following capability to oaFindr

- find green, gold and hybrid OA papers published in peer-reviewed journals by your university's authors
- wherever they may be archived and by whomever
- in order to radically increase the number of OA papers and their metadata available in institutional repositories while significantly reducing labour cost & the amount of tedious work
- and it can be conveniently integrated in your workflow
  - Initial delivery of metadata and hyperlinks in Excel
    - Macro facilitates batch downloading of OA papers
    - Librarian-vetted records can be batch uploaded to IR
  - Tools will be developed to directly retrieve relevant records within oaFindr+

Effective use of time—select and upload papers to IR



How may libraries benefit from oaFindr and oaFindr+

- ***Hybrid database containing links to OA is cost effective***
  - Cost per paper typically 100 to 300 times less than big deals with dominant publishers
- Save through replacement of little used journals/packages in favor of OA content
- Save on document delivery services
- Expand collection beyond traditional packages
- Fill IR/CRIS more rapidly and more conveniently
- Leave busy faculty alone:
  let them self-archive where they want

Cost-shifting

Pricing from the British Library per Article

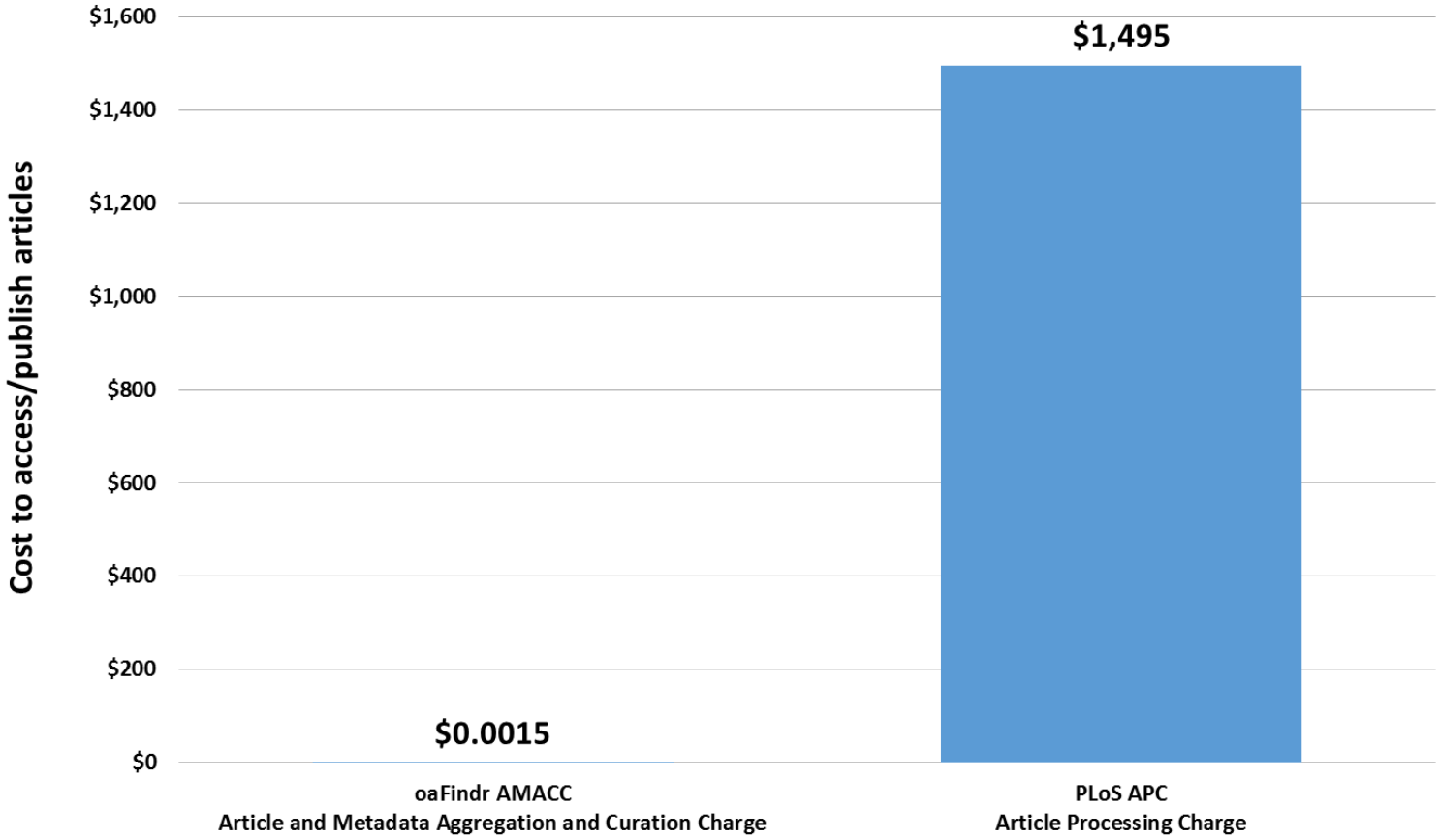
- **£5.35** Standard electronic delivery of a born digital copy
- **£10.70** Standard electronic delivery of a copy from print
- **£18.25** 24-hour electronic delivery of a copy from print
- **£27.80** 2-hour electronic delivery of a copy from print
- **£12.20** Paper copy by mail (UK delivery)

Papers in oaFindr vs. common packages, 2006-2015

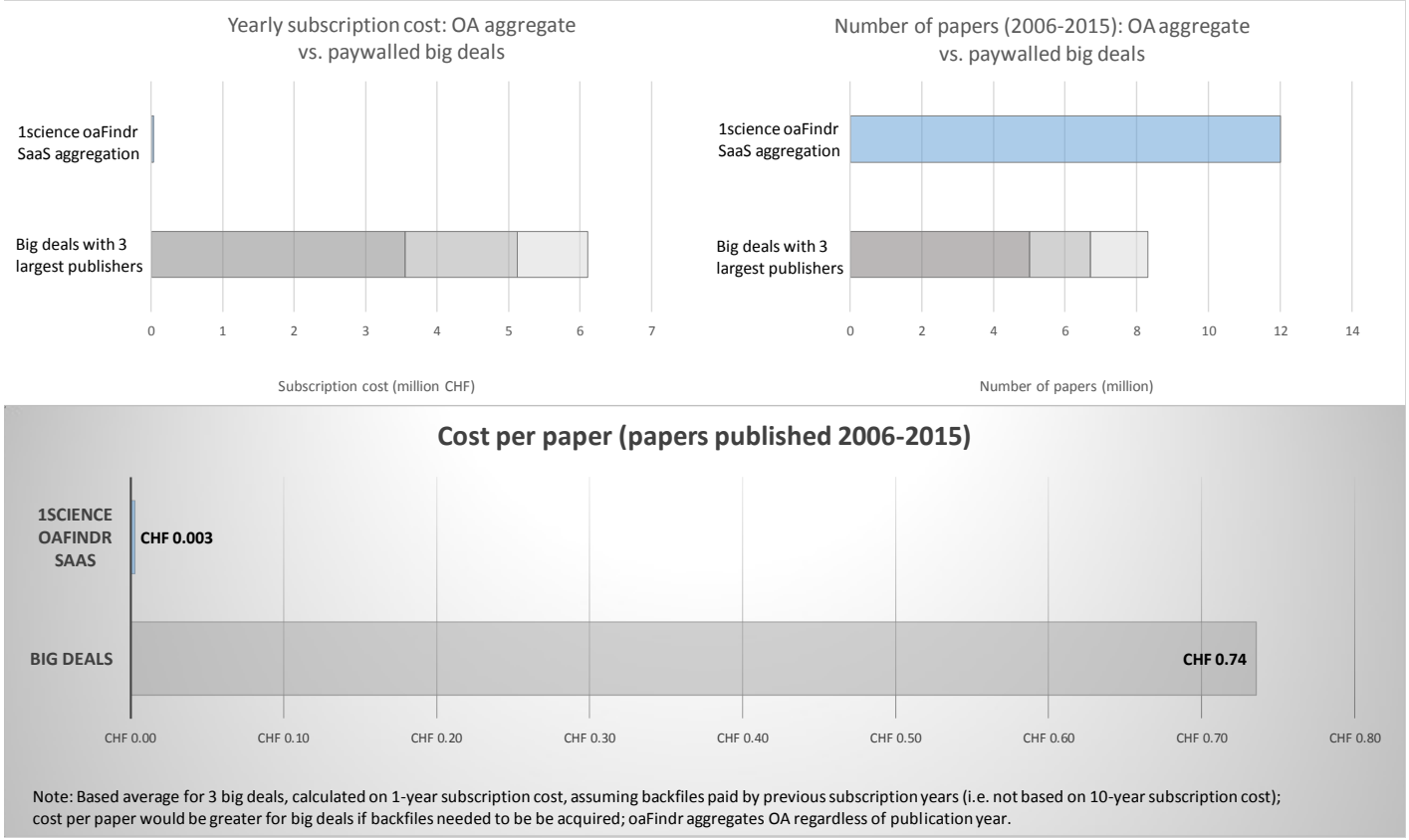
	Number of papers in 1science oaFindr										Total
Provider	**2006**	**2008**	**2009**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015***	**2006-2015**
TOTAL 1science oaFindr (within and outside WoS)	**790,541**	**820,161**	**1,105,105**	**1,105,409**	**1,221,581**	**1,294,514**	**1,258,858**	**1,309,099**	**1,324,930**	**989,876**	**11,220,074**
1science oaFindr - only papers outside of WoS	**385,294**	**365,446**	**595,304**	**556,378**	**634,280**	**665,421**	**602,456**	**616,137**	**640,728**	**531,637**	**5,593,081**

	Number of papers by providers (intersection with WoS - typical packages)										Total
Provider / Package	**2006**	**2008**	**2009**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015***	**2006-2015**
1science oaFindr	**405,247**	**454,715**	**509,801**	**549,031**	**587,301**	**629,093**	**656,402**	**692,962**	**684,202**	**458,239**	**5,626,993**
Elsevier	248,702	266,879	276,089	287,514	287,881	307,244	315,018	346,019	354,735	352,301	3,042,382
EBSCO	139,061	154,054	169,460	177,864	187,581	203,372	224,125	242,864	247,107	234,267	1,979,755
ProQuest	131,888	145,081	158,745	168,727	181,680	193,373	203,825	219,120	228,876	220,948	1,852,263
Springer	94,005	107,072	120,004	127,476	138,003	147,890	159,969	171,664	178,203	174,599	1,418,885
Wiley-Blackwell	116,982	127,636	132,732	133,133	137,041	140,041	140,175	141,596	142,636	139,105	1,351,077
Taylor & Francis	39,329	43,751	51,015	55,293	57,949	61,275	64,329	68,473	70,388	69,654	581,456
Gale	39,876	45,704	52,459	56,512	64,415	75,477	93,715	109,715	114,413	101,813	754,099
American Chemical Society	29,140	31,295	33,853	34,876	37,180	36,428	38,291	39,251	41,180	39,417	360,911
HighWire Press	28,098	30,623	31,727	32,942	34,133	34,862	36,616	37,521	37,613	36,753	340,888
IEEE	25,304	26,498	26,832	27,473	27,469	30,590	32,290	34,751	35,590	33,612	300,409
JSTOR	25,151	25,893	27,386	28,524	28,711	28,830	29,345	29,840	30,063	28,807	282,550
IOP Publishing	21,275	22,850	24,591	25,159	24,609	25,013	25,875	26,102	24,918	24,326	244,718
Oxford Journals	19,929	21,273	21,733	22,372	23,937	25,285	26,115	25,678	26,779	25,955	239,056
Royal Society of Chemistry	5,326	5,760	7,169	10,162	13,118	19,955	23,116	27,155	36,204	42,199	190,164
SAGE Publications	12,524	13,800	15,673	16,688	17,624	18,685	19,856	21,030	21,708	21,610	179,198

Paradigm shift - cost shifts from access to publication



Cost advantage of OA aggregation vs. paywall access



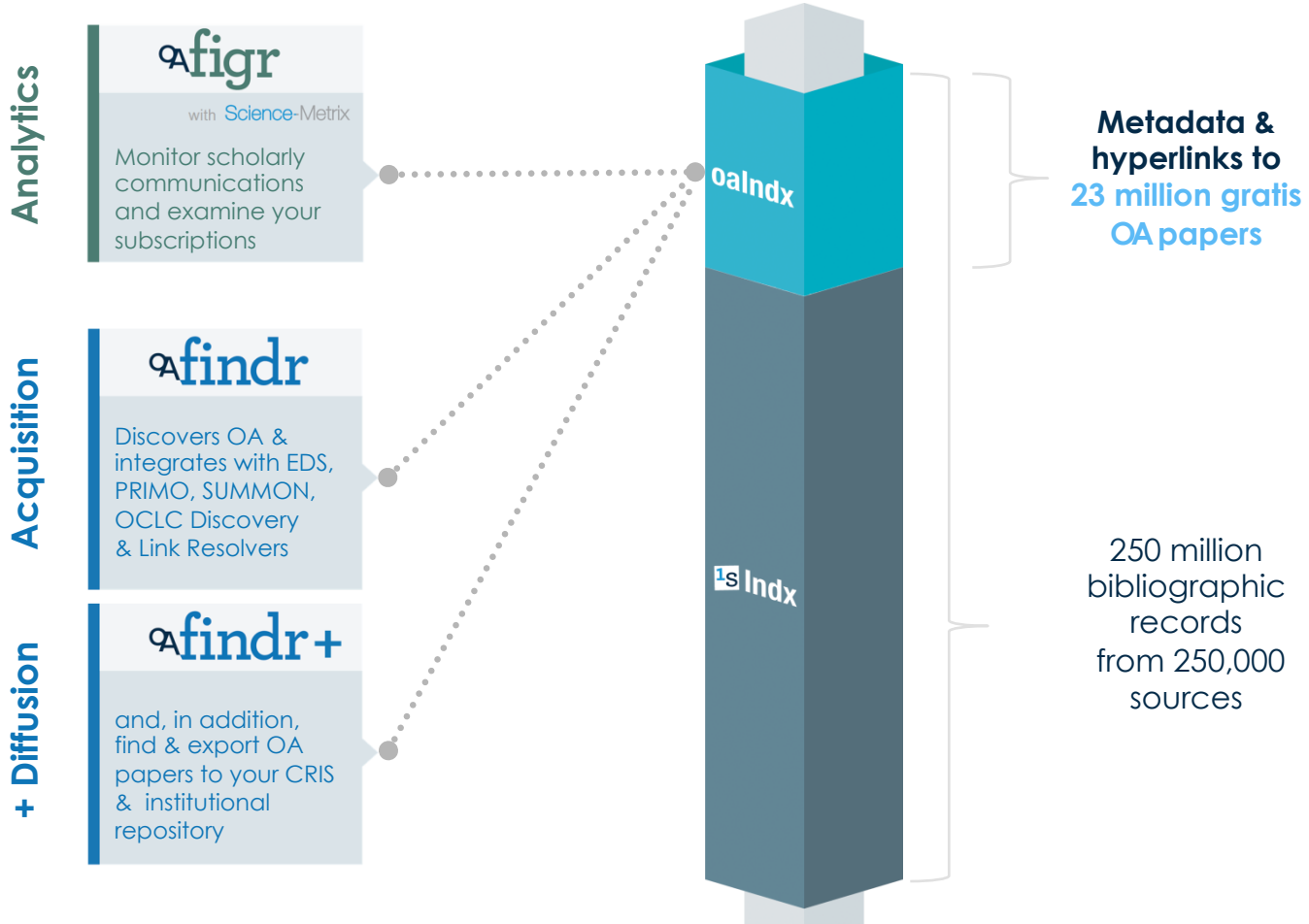
Example based on price paid by ETH Zurich for subscriptions as revealed in https://wisspub.net/2015/08/29/zahlungen-der-eth-zuerich-an-elsevier-springer-und-wiley-nun-oeffentlich

Simple, transparent, fair

Tier	oaFindr	oaFindr+	oaFigr
8	$3,500	$4,500	$4,000
7	$5,000	$6,500	$5,000
6	$7,500	$10,000	$6,000
5	$10,000	$13,250	$8,000
4	$15,000	$20,000	$10,000
3	$20,000	$26,000	$12,000
2	$25,000	$32,750	$14,000
1	$30,000	$40,000	$16,000

oaFindr+ comprises oaFindr; prices are in US dollars

1science delivery sub-systems



Thank You

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