

# OpenAPC

Workshop Open Access Monitor 2019, FZ Jülich, 07.06.2019  
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## Funder

- Federal Ministry of Education and Research
- European Commission (OpenAIRE Advance - WP 6 „Towards a scholarly commons“, subtask 6.3.3)



## Basic goals

- Release APC cost data under an open database license
- Transparent and reusable reporting and monitoring for academic institutions and funders
- Allocation of cost data to support open access transformation

## Open Science approach

- „everything is visible by anyone at any time“
- Transparent data versioning
- Continuous integration ([Travis CI](#))
- Scripts are open source
- OpenAPC complies to [FAIR data principles](#)

# open@PC

1

```
institution,period,euro,doi,is_hybrid
"Bielefeld U",2015,1340.00,"10.1186/s12874-015-0028-8",FALSE
"Bielefeld U",2015,1598.17,"10.1186/1471-2105-16-s19-s1",FALSE
"Bielefeld U",2015,1765.75,"10.3390/ijerph121215019",FALSE
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institution period euro doi is\_hybrid

2

doi

publisher

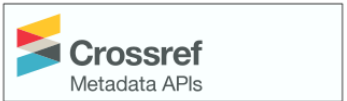
journal\_full\_title

issn issn\_print

issn\_electronic

indexed\_in\_crossref

license\_ref



3

doi

pmid

pmcid



4

doaj

issn



5

issn\_l

issn



6

ut

doi



identifier	
text value	
numeric value	
boolean value	
API query	
API answer	

OpenAPC enrichment overview

## Data dissemination

- [Raw data](#) and versions via GitHub
- [GitHub readme](#)
- OpenAPC [blog](#)
- [OLAP server API](#)
- [Treemap visualisation](#)

## Data contribution

- Data submission handout
- National aggregators or single (pilot) institutions
- Sending Excel or csv files
- Pull request on GitHub
- Harvesting via OAI-PMH

## OpenAPC 2015 - 04/2019

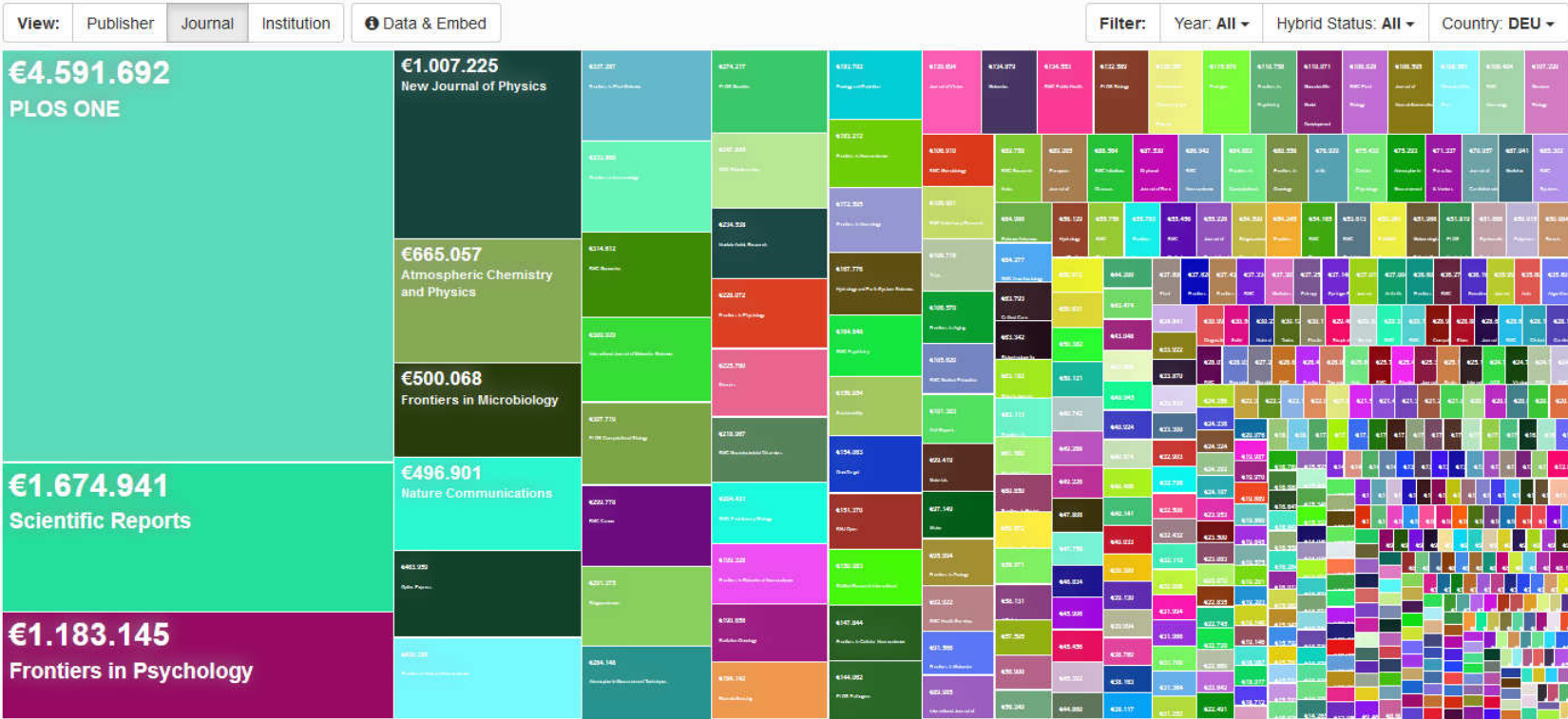
<b>Year</b>	<b>Number of institutions</b>	<b>Number of articles</b>	<b>Amount in EURO</b>	<b>Mean value EURO</b>
<b>2015 (10)</b>	24	3,618	4,474,463	1.202
<b>2016 (10)</b>	40	18,370	32,802,770	1,544
<b>2017 (10)</b>	117	44,425	86,008,454	1,756
<b>2018 (11)</b>	196	55,918	105,420,735	1,681
<b>2019 (04)</b>	236	78,104	152,234,919	1,949

Current data set

<https://github.com/OpenAPC/openapc-de>

<https://treemaps.intact-project.org/apcdata/openapc/>

Example: [Distribution of APC expenditures of german academic institutions on journal level](#)



Sort by:

Download as:

Journals (1690 entries*)	Sum	Number of Articles	Mean Value	Standard Deviation	Percentage
PLOS ONE	€4.591.692	3457	€1.328	€212	14.40%
Scientific Reports	€1.674.941	1145	€1.463	€178	5.25%
Frontiers in Psychology	€1.183.145	745	€1.588	€482	3.71%
New Journal of Physics	€1.007.225	920	€1.095	€244	3.16%
Atmospheric Chemistry and Physics	€665.057	408	€1.630	€726	2.09%
Frontiers in Microbiology	€500.068	282	€1.773	€474	1.57%

## Data from transformative agreements

- Data providers: Bibsam, Couperin, Jisc, KEMÖ, MPDL, VSNU/UKB)
- Publishers: EDP, IOP, RSC, T&F, Springer Compact
- Outlook (to be discussed with OpenAPC community): ingest cost data of participating institutions from transformative agreements (e.g. DEAL-Wiley)

## TRANSFORMATIVE AGREEMENTS



Sort by:

Download as:

### Institutions (200 entries)

	Number of Articles	Percentage
<input type="checkbox"/> French institutions	1300	4.52%
<input type="checkbox"/> MPG	946	3.29%
<input type="checkbox"/> University College London	769	2.67%
<input type="checkbox"/> University of Cambridge	701	2.44%
<input type="checkbox"/> University of Oxford	641	2.23%
<input type="checkbox"/> Imperial College London	588	2.04%
<input type="checkbox"/> Medical University of Vienna	588	2.04%
<input type="checkbox"/> Lund University	548	1.90%

More information:

Pieper, D., & Broschinski, C. (2018). OpenAPC: a contribution to a transparent and reproducible monitoring of fee-based open access publishing across institutions and nations. *Insights*, 31, 39.

DOI: <http://doi.org/10.1629/uksg.439>

Thank You!



OpenAPC Data contributors

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