

OpenAPC

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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

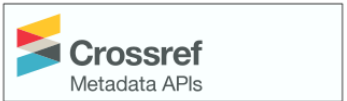
journal_full_title

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

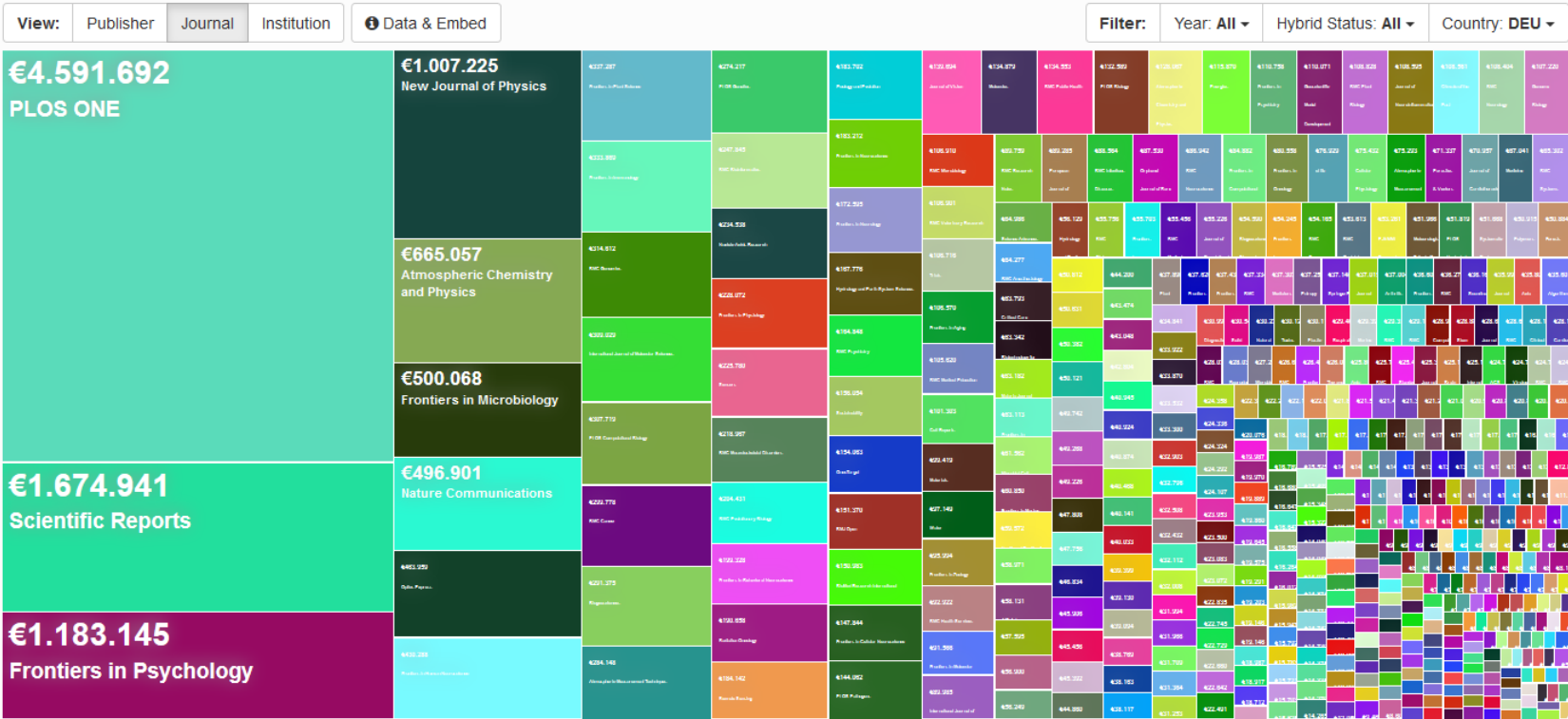
Year	Number of institutions	Number of articles	Amount in EURO	Mean value EURO
2015 (10)	24	3,618	4,474,463	1.202
2016 (10)	40	18,370	32,802,770	1,544
2017 (10)	117	44,425	86,008,454	1,756
2018 (11)	196	55,918	105,420,735	1,681
2019 (04)	236	78,104	152,234,919	1,949

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:	Sum	Number of Articles	Mean Value	Standard Deviation	Download as:	CSV	JSON
Journals (1690 entries*)	Sum	Number of Articles	Mean Value	Standard Deviation			
■ 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: Number of Articles

Download as: CSV JSON

Institutions (200 entries)	Number of Articles	Percentage
French institutions	1300	4.52%
MPG	946	3.29%
University College London	769	2.67%
University of Cambridge	701	2.44%
University of Oxford	641	2.23%
Imperial College London	588	2.04%
Medical University of Vienna	588	2.04%
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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