OpenAPC: Reporting and monitoring expenditures for fee-based open access publishing

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Dirk Pieper, Bielefeld UL

Agenda

1. Motivation, aims and principles
2. OpenAPC overview
3. Transformative agreements
4. How to contribute
5. Value proposition and benefits

Motivitation

Funders, libraries and authors are afraid of disproportionately cost increases in OA publishing

Need for independent information about price and cost developments

Need for transparent reporting of funded OA publications (bibliographic and cost data)

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Aims and principles

Establish cost transparency and comparability, track development of costs over time

Provide data as foundation for policy making in the ongoing OA transition

Maximum of transparency ("open" not only applies to data, but also to code/workflows/history)

High degree of automation, low entry barriers for new participants

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Overview (11/2022)

Open Data project, established at Bielefeld University Library in 2014 (funded by DFG, BMBF, OpenAIRE)

Aggregates and normalises data on fee-based OA publishing (APCs, data on transformative agreements, BPCs)
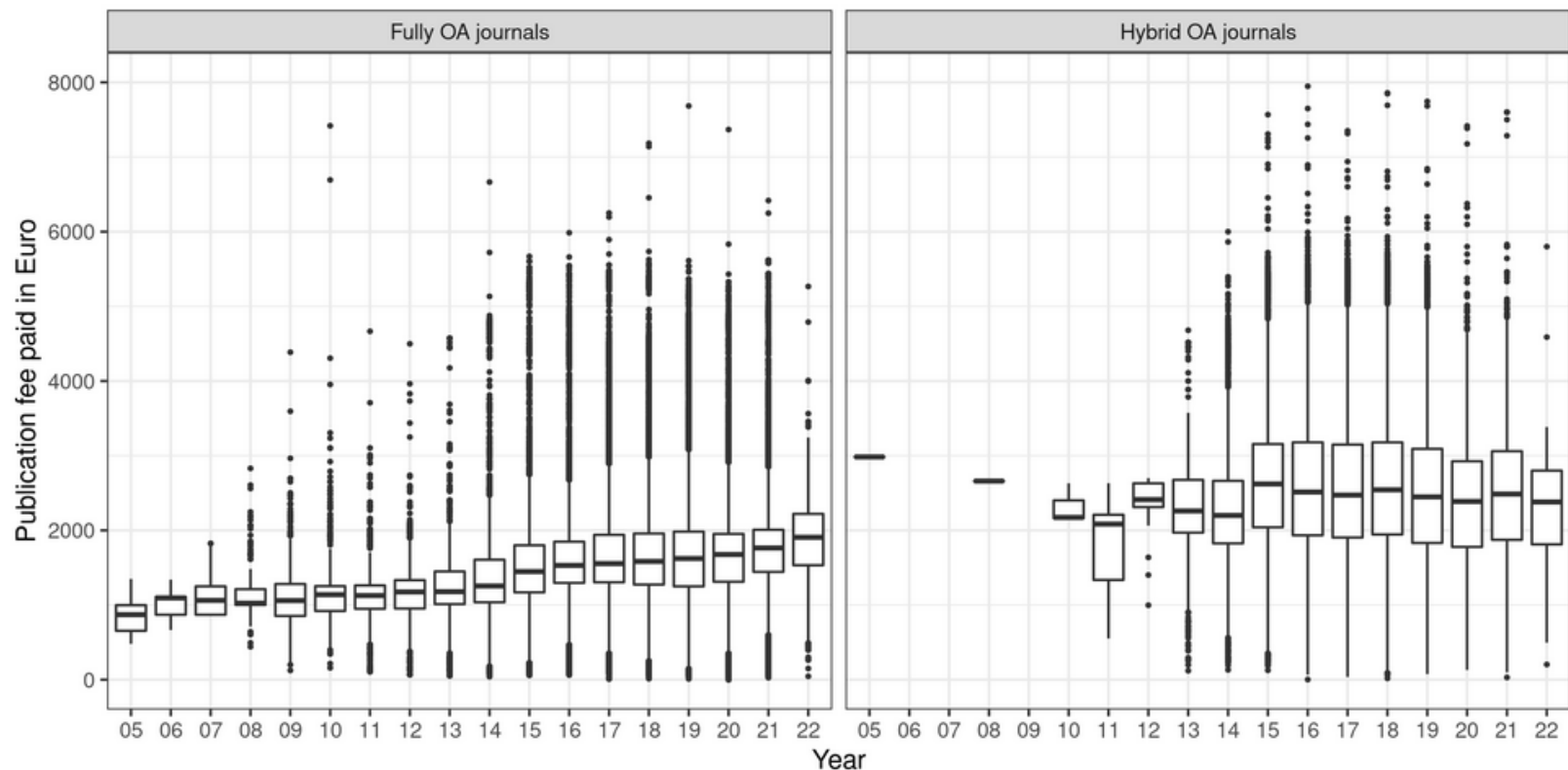
383 institutions, 168.094 OA journal articles, aggregated total APC costs: € 323.470.787
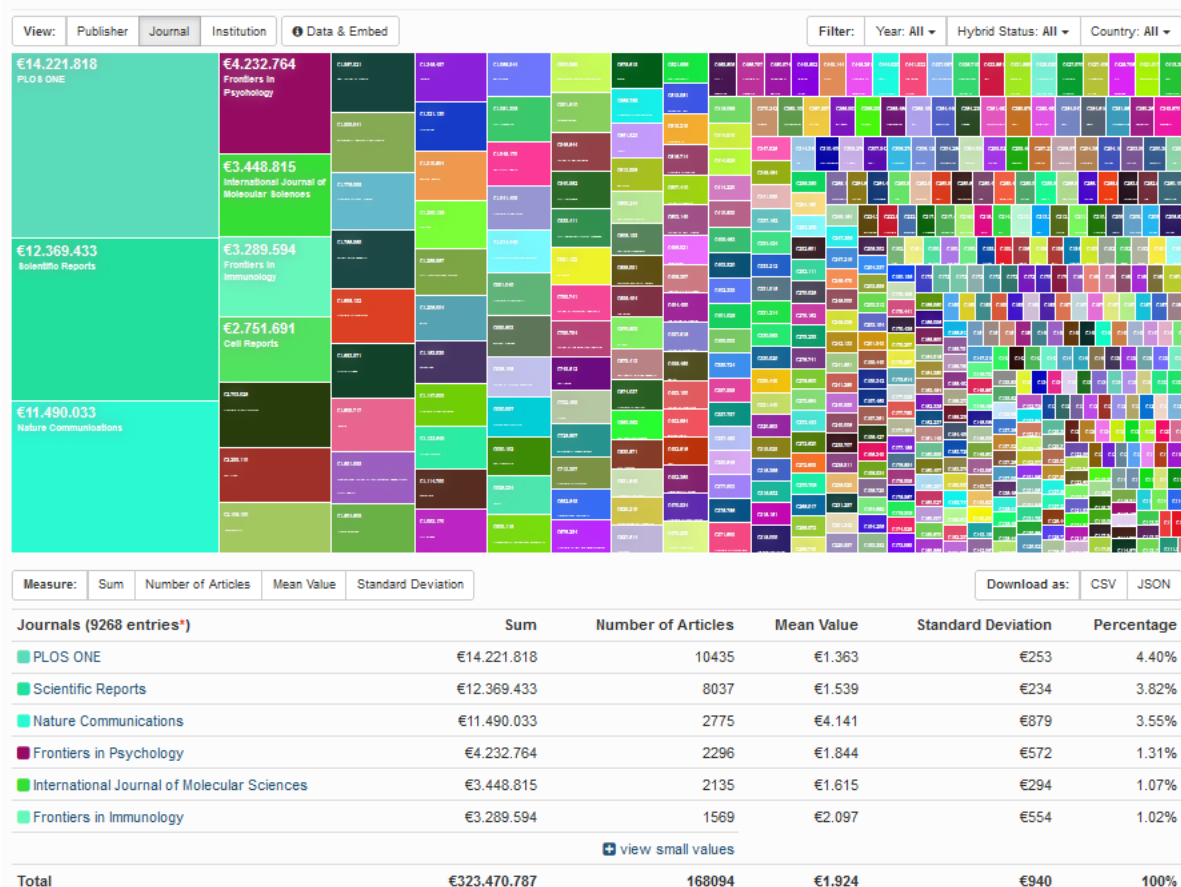
Overview (11/2022)

Average payment for articles in full OA journals: € 1.924 (median € 1.776)

Average payment for articles in hybrid journals: € 2,495 (median € 2,458)

![open aPC logo]

Spending distribution over fully and hybrid open access journals (11/2022)

Treemap visualisation of the same data (dimension "journals")

Transformative agreements

Additional data set and [visualisation without cost data](#)

Example [DEAL including cost data](#) from data providing institutions in Germany

Due to the complex model [special data submission handout for DEAL](#)

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How to contribute

Institutions only have to provide a minimal data set

Most bibliographic metadata is enriched by OpenAPC using external services

institution	period	euro	doi	is_hybrid	publisher	journal_full_title	issn	issn_p	issn_e	issn_l	license_ref	in_crossref	pmid	pmcid	ut	url	doaj
Bamberg	2013	1372	10.2147...	FALSE	Dove Medical...	Journal of...	1178-7090	NA	1178-7090	1178-7090	http://creative...	TRUE	2378...	PMC3...	ut:00020...	NA	TRUE
Bamberg	2013	960	10.3389...	FALSE	Frontiers...	Frontiers in...	1664-1078	NA	1664-1078	1664-1078	NA	TRUE	2376...	PMC3...	ut:00033...	NA	TRUE
Bamberg	2013	960	10.3389...	FALSE	Frontiers...	Frontiers in...	1664-1078	NA	1664-1078	1664-1078	NA	TRUE	2384...	PMC3...	ut:00033...	NA	TRUE

☐ Reported by institution ☐ Crossref ☐ Europe Pubmed Central ☐ ISSN Organisation ☐ Web of Science ☐ DOAJ

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How to contribute

Participants may provide new data in different ways:

Via e-mail, or by making a pull request on GitHub, or by integrating cost data directly into their institutional repository and letting OpenAPC harvest it

Information about harvesting workflow: Deinzer, Gernot, Wagner, Alexander, Broschinski, Christoph, & Pieper, Dirk. (2017). Including Open Access Information in institutional repositories. Zenodo. https://doi.org/10.5281/zenodo.887318
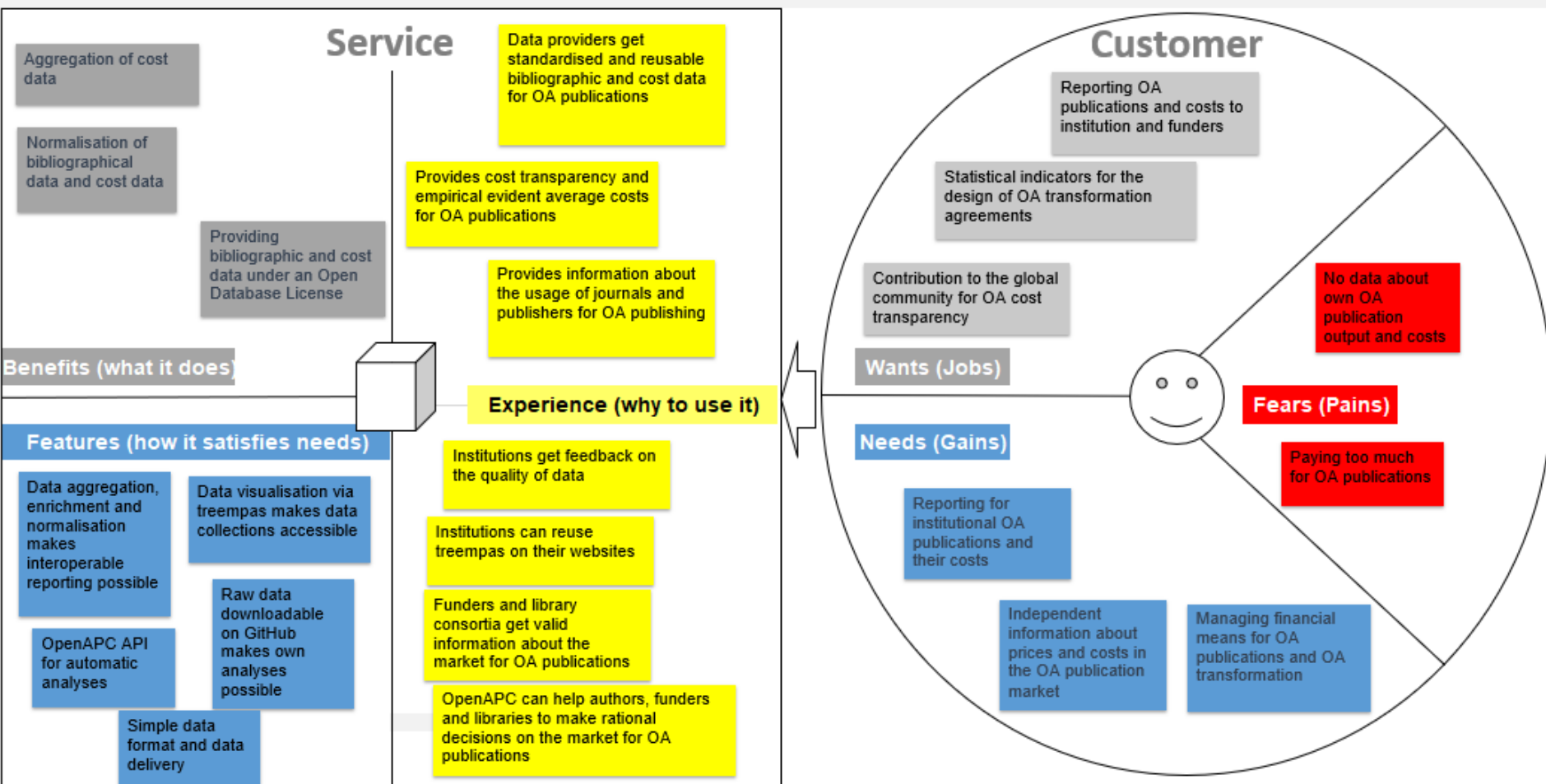
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Benefits

Funders and libraries can use OpenAPC to report, which articles have been funded

With every data submission, institutions are getting individual reports about their cost data

Funders, libraries and authors are getting independent information about the market for fee-based OA publishing

Thank you!

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

https://treemaps.openapc.net/

https://marketplace.eosc-portal.eu/services/openapc

https://twitter.com/open_apc