

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

About OpenAPC

The Open APC initiative releases datasets on fees paid for open access journal articles by universities and research institutions under an open database license. Open APC, which is also supported by the [DINI Working Group Electronic Publishing](#) is part of the INTACT project and located at [Bielefeld University Library](#). The datasets demonstrate transparent and reproducible reporting and allow various cost analysis on fee-based open access publishing across institutions and publishers.

Open APC uses GitHub for aggregating data provided by universities and research institutions, new contributions and changes will also be displayed on the INTACT Blog.

The Open APC initiative releases datasets on fees paid for Open Access journal articles by universities and research institutions under an Open Database License.

Select a region from the map or use the list below to view APC data for individual institutions. You may also browse the following aggregated collections:

- The [OpenAPC](#) dataset is an aggregation of all institutional APC data.
- The [Offsetting](#) dataset contains articles published under offsetting deals such as the Springer Compact pilot agreements.
- The [Offsetting coverage](#) is a special view on the offsetting dataset, combining it with journal total article numbers to determine the coverage of offsetting contracts.
- The [combined](#) dataset combines cost data from both the OpenAPC and the Offsetting collections.

The aim of this repository is:

- to release datasets on fees paid for Open Access journal articles by Universities and Research Society Funds under an Open Database License
- to demonstrate how reporting on fee-based Open Access publishing can be made more transparent and reproducible across institutions.

At the moment this project provides cost data on 71,668 open access journal articles, amounting to € 141,634,785 and contributed by 219 institutions.

[\(What's this?\)](#)

How to contribute?

Any academic institution or research funder paying for Article Process Charges (APCs) can contribute to OpenAPC, no formal registration is required. This [page \(German version\)](#) explains the details.

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OPENAPC

View:

Publisher

Journal

Institution

i Data & Embed

€12.853.559

UCL

€7.799.638

University of Cambridge

€

Un

€12.020.224

Wellcome Trust

€7.119.552

University of Oxford

€

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€11.570.305

FWF - Austrian Science Fund

€6.084.513

Imperial College London

€

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€4.996.267

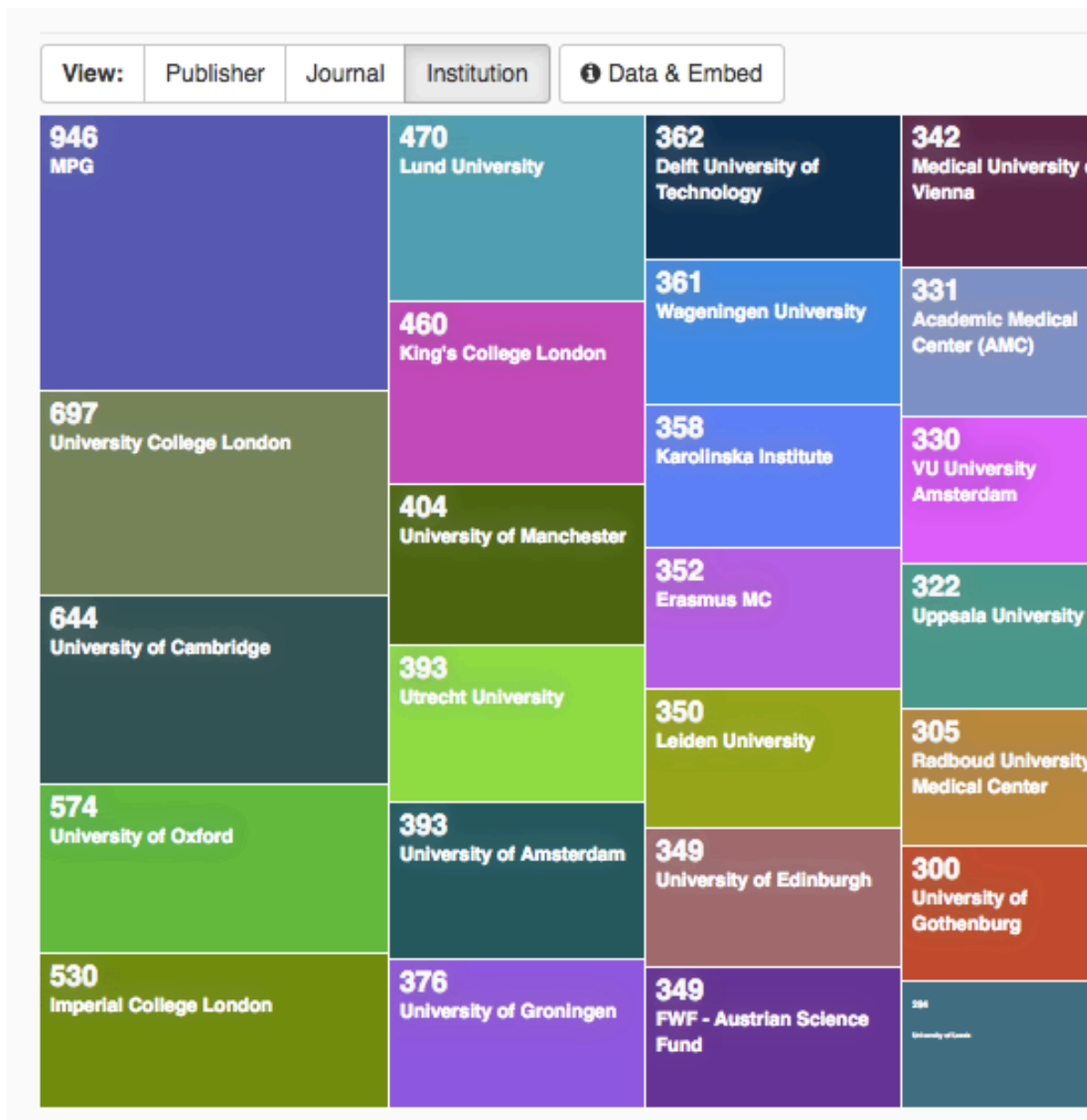
MPG

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Participating German Universities

So far, the following German universities have agreed to share information on paid author processing charges (APC):

- [Bayreuth University](#)
- [Bielefeld University](#)
- [Clausthal University of Technology](#)
- [Freie Universität Berlin](#)
- [Friedrich-Alexander-Universität Erlangen-Nürnberg](#)
- [Hamburg University of Technology](#)
- [Heidelberg University](#)
- [Leibniz Universität Hannover](#)
- [Leipzig University](#)
- [Ludwig-Maximilians-Universität München](#)
- [Martin-Luther-Universität Halle-Wittenberg](#)
- [Münster University](#)

- [JGU Mainz](#)
- [JLU Giessen](#)
- [KIT Karlsruhe](#)
- [Osnabrück University](#)
- [Ruhr Universität Bochum](#)
- [Technische Universität Berlin](#)
- [Technische Universität Braunschweig](#)
- [Technische Universität Chemnitz](#)
- [Technische Universität Darmstadt](#)
- [Technische Universität Dortmund](#)
- [Technische Universität Dresden](#)
- [Technische Universität Ilmenau](#)
- [Technische Universität München](#)
- [University of Bamberg](#)
- [University of Bremen](#)
- [University of Duisburg-Essen](#)
- [University of Freiburg](#)
- [University of Göttingen](#)
- [University of Kassel](#)
- [University of Konstanz](#)
- [University of Oldenburg](#)
- [University of Potsdam](#)
- [University of Regensburg](#)
- [University of Stuttgart](#)
- [University of Trier](#)
- [University of Tübingen](#)
- [University of Veterinary Medicine Hannover, Foundation \(TiHo\)](#)
- [University of Würzburg](#)
- [Ulm University](#)

Participating Research Society Funds in Germany

Dataset on funds that are supported by research societies under its Open-Access Publishing Programme.

Participating Research Organizations:

- [Max Planck Digital Library](#)

The data content covers APCs as paid for by our central budget for the Max Planck Society (MPS). APCs funded locally by Max Planck Institutes are not part of this data set. The MPS has a limited input tax reduction. The refund of input VAT for APC is 20%. Until the end of 2007 the MPS was VAT exempt.

- [Fraunhofer Publishing Fund](#)
- [Forschungszentrum Jülich](#)
- [GIGA German Institute of Global and Area Studies](#)
- [Helmholtz-Zentrum Dresden-Rossendorf](#)
- [Helmholtz-Zentrum für Umweltforschung - UFZ](#)
- [IGB - Leibniz-Institute of Freshwater Ecology and Inland Fisheries](#)
- [INM - Leibniz Institute for New Materials](#)
- [IPN - Leibniz Institute for Science and Mathematics Education](#)
- [Leibniz Association's Open Access Publishing Fund](#)
- [Library Wissenschaftspark Albert Einstein](#)
- [Max Delbrück Center for Molecular Medicine \(MDC\)](#)
- [Technische Informationsbibliothek \(TIB\) - German National Library of Science and Technology](#)
- [WIAS - Weierstrass Institute for Applied Analysis and Stochastics](#)

Participating Austrian Institutions

- [FWF - Austrian Science Fund](#)
- [Institute of Science and Technology Austria](#)
- [Technische Universität Wien](#)

Participating Swiss Institutions

- [SNSF - Swiss National Science Foundation](#)

Participating Italian Institutions

- [Università degli Studi di Milano](#)

Institutions from Norway:

- Akershus University Hospital
- BI Norwegian Business School
- Bergen University College
- Fridtjof Nansen Institute
- GenØk - Centre for Biosafety
- Harstad University College
- Innlandet Hospital Trust
- Institute of Marine Research
- Molde University College
- NILU - Norwegian Institute for Air Research
- Nansen Environmental and Remote Sensing Center
- Nord University
- Norwegian Center for Studies on Violence and Traumatic Stress
- Norwegian Institute for Agricultural and Environmental Research
- Norwegian Institute for Nature Research
- Norwegian Institute of Public Health
- Norwegian Institute of Water Research
- Norwegian School of Sport Sciences
- Norwegian University of Life Sciences
- Norwegian University of Science and Technology
- Oslo University Hospital
- Oslo and Akershus university college
- SINTEF (Foundation for Scientific and Industrial Research)
- Sørlandet Hospital Trust
- Uni Research
- University College of Southeast Norway
- University of Agder
- University of Bergen
- University of Oslo
- University of Stavanger
- University of Tromsø - The Arctic University of Norway
- Vestfold Hospital Trust
- Vestre Viken Hospital Trust

Participating Spanish Institutions:

- [Universitat de Barcelona](#)

Institutions from Sweden (via [Open APC Sweden](#)):

- Chalmers University of Technology
- Dalarna University College
- University of Gothenburg
- Borås University College
- University College West
- Karolinska Institutet
- KTH Royal Institute of Technology
- Linköping University
- Linnaeus University
- Luleå University of Technology
- Lund University
- Malmö University
- Örebro University
- Swedish University of Agricultural Sciences
- Stockholm University
- Umeå University
- Uppsala University

Institutions from France

The [Couperin consortium](#) aggregates data on APC expenditures made by institutions in France:

- Aix-Marseille Université
- Université d'Angers
- Université de Bordeaux
- Université de Bourgogne
- Centre de coopération internationale en recherche agronomique pour le développement (CIRAD)
- Centre national de la recherche scientifique (CNRS)
- Ecole normale supérieure de Paris
- École supérieure de physique et de chimie industrielles de la Ville de Paris (ESPCI)
- Hospices Civils de Lyon
- Université Grenoble Alpes
- Institut de recherche pour le développement (IRD)
- Institut français des sciences et technologies des transports, de l'aménagement et des réseaux (IFSTTAR)
- Institut national de recherche en informatique et en automatique (INRIA)
- Institut national de la recherche agronomique (INRA)
- Institut national de recherche en sciences et technologies pour l'environnement et l'agriculture (IRSTEA)
- Institut national de la santé et de la recherche médicale (INSERM)
- Institut national polytechnique de Toulouse (INPT)
- Université d'Avignon et des Pays de Vaucluse
- Université de Caen Normandie
- Université Claude Bernard Lyon 1
- Université Clermont Auvergne
- Université de France-Comté
- Université Lille 1
- Université Lille 2
- Université de Lorraine
- Université de Nantes
- Université Nice-Sophia-Antipolis
- Université de Poitiers
- Université de Rennes 1
- Université de Strasbourg

- Université de Toulon
- Université Toulouse III
- Université Paris Descartes (Paris V)
- Université Pierre et Marie Curie (Paris VI)
- Université Paris Diderot (Paris VII)

Participating Institutions from the United Kingdom:

- [Wellcome Trust](#)
- [JISC](#)

Jisc Collections released data on APC payments made by UK higher education institutions (HEIs):

- Aberystwyth University
- Aston University
- Bangor University
- Brunel University
- Cardiff University
- Cranfield University
- Edinburgh Napier University
- Glasgow Caledonian University
- Goldsmiths
- Heriot-Watt University
- Imperial College London
- Institute of Cancer Research (ICR)
- Keele University
- King's College London
- Leeds Beckett University
- Liverpool John Moores University
- Liverpool School of Tropical Medicine
- London School of Economics (LSE)
- London School of Hygiene & Tropical Medicine (LSHTM)
- Lancaster University
- Manchester Metropolitan University
- Northumbria University
- Plymouth University
- Queen Mary, University of London
- Queen's University Belfast
- Royal Holloway
- St George's, University of London
- Swansea University
- The Open University
- University College London (UCL)
- University of Aberdeen
- University of Bath
- University of Birmingham
- University of Bristol
- University of Cambridge
- University of Dundee
- University of Durham
- University of East Anglia
- University of Edinburgh
- University of Exeter
- University of Glasgow
- University of Huddersfield
- University of Hull
- University of Kent
- University of Leeds
- University of Leicester

- University of Liverpool
- University of Loughborough
- University of Manchester
- University of Newcastle
- University of Nottingham
- University of Oxford
- University of Portsmouth
- University of Reading
- University of Salford
- University of Sheffield
- University of Southampton
- University of St Andrews
- University of Strathclyde
- University of Surrey
- University of Sussex
- University of the West of England
- University of Ulster
- University of Warwick
- University of York

Participating Institutions from the Czech Republic (contributed by [CzechELib](#)):

- [University of Chemistry and Technology, Prague](#)

Participating Institutions from the United States:

- [Harvard University](#)
- [Indiana University - Purdue University Indianapolis \(IUPUI\)](#)
- [University of Rhode Island](#)
- [Virginia Polytechnic Institute and State University](#)

Participating Canadian Institutions:

- [University of Calgary](#)

Supranational participants

- [OpenAIRE](#) (FP7 Post-Grant Open Access Pilot)

Dataset

This dataset contains information on 71,668 open access journal articles being published in fully and hybrid open access journal. Publication fees for these articles were supported financially by 219 research performing institutions and research funders.

In total, publication fee spending covered by the Open APC initiative amounted to € 141,634,785. The average

payment was € 1,976 and the median was € 1,785.

View dataset on [GitHub](#) or take a look at our [treemap visualisations](#).

Spending distribution over fully and hybrid open access journals

Fully Open Access Journals

40,036 articles in the dataset were published in fully open access journals. Total spending on publication fees for these articles amounts to € 62,269,313, including value-added tax; the average payment was € 1,555 (median = € 1,459, SD = € 765).

The following table summarises institutional spending on articles published in fully open access journals.

Institution	Articles	Spending total (in €)	Mean (SD)	Median	Minimum - Maximum
MPG	3,674	4,987,088	1,357 (507)	1,207	69 - 7,419
UCL	2,455	4,152,533	1,691 (887)	1,582	88 - 5,721
Wellcome Trust	1,401	2,628,608	1,876 (917)	1,662	240 - 5,486
FWF - Austrian Science Fund	1,391	2,295,863	1,651 (800)	1,492	100 - 5,412
Goettingen U	1,086	1,580,249	1,455 (571)	1,447	119 - 4,830
Imperial College London	996	1,910,589	1,918 (1,025)	1,625	260 - 5,471
University of Calgary	883	993,318	1,125 (447)	1,145	50 - 4,632
University of Cambridge	876	1,941,253	2,216 (1,184)	1,831	154 - 6,197
INSERM	872	1,575,120	1,806 (863)	1,495	200 - 4,650
TU Muenchen	858	1,147,525	1,337 (468)	1,462	106 - 2,122
University of Oxford	853	1,910,352	2,240 (1,167)	1,928	24 - 5,700
Tuebingen U	789	1,114,397	1,412 (414)	1,442	75 - 2,662
Heidelberg U	727	1,085,891	1,494 (379)	1,630	60 - 2,108
Erlangen Nuernberg U	707	1,017,252	1,439 (381)	1,514	124 - 2,286
Wuerzburg U	686	959,500	1,399 (455)	1,436	105 - 2,533
KIT	674	903,682	1,341 (518)	1,382	69 - 3,731

University of Birmingham	666	1,145,349	1,720 (786)	1,594	126 - 5,669
Freiburg U	623	871,696	1,399 (422)	1,449	50 - 2,501
Regensburg U	614	890,535	1,450 (636)	1,394	77 - 4,403
CNRS	565	832,121	1,473 (783)	1,260	100 - 5,606
University of Edinburgh	546	1,027,649	1,882 (967)	1,592	210 - 5,484
OpenAIRE	536	776,905	1,449 (422)	1,411	209 - 2,086
University of Manchester	517	1,045,523	2,022 (958)	1,691	259 - 5,399
Universitat de Barcelona	464	443,269	955 (472)	899	55 - 2,000
Bielefeld U	457	594,984	1,302 (372)	1,340	143 - 2,910
Swedish University of Agricultural Sciences	450	595,056	1,322 (443)	1,328	124 - 3,700
Muenchen LMU	443	594,905	1,343 (322)	1,404	496 - 2,123
Giessen U	415	590,189	1,422 (652)	1,346	81 - 4,498
Leipzig U	415	611,856	1,474 (341)	1,553	178 - 2,097
JGU Mainz	410	568,189	1,386 (531)	1,392	95 - 4,403
King's College London	410	833,628	2,033 (989)	1,628	322 - 5,599
FZJ - ZB	397	532,437	1,341 (635)	1,242	40 - 3,700
Bremen U	390	552,016	1,415 (601)	1,345	112 - 4,403
Münster U	382	468,717	1,227 (452)	1,200	168 - 2,380
Konstanz U	345	524,743	1,521 (513)	1,506	40 - 4,403
University of Gothenburg	331	490,458	1,482 (613)	1,406	223 - 4,485
University of Liverpool	328	562,369	1,715 (742)	1,647	223 - 6,250
Cardiff University	311	554,018	1,781 (843)	1,607	204 - 5,219
University of Newcastle	295	597,128	2,024 (1,005)	1,716	360 - 5,985
FU Berlin	294	413,858	1,408 (485)	1,506	150 - 2,142
University of Southampton	278	515,110	1,853 (823)	1,595	133 - 5,343
TU Dresden	275	390,484	1,420 (407)	1,500	200 - 2,193
Stockholm University	274	413,066	1,508 (702)	1,336	140 - 4,486

Leibniz-Fonds	271	435,042	1,605 (606)	1,572	66 - 4,403
University of Glasgow	268	542,753	2,025 (997)	1,674	205 - 4,613
University of Sheffield	256	454,301	1,775 (1,027)	1,533	132 - 5,492
Oldenburg U	246	315,918	1,284 (514)	1,396	63 - 2,009
Swiss National Science Foundation (SNSF)	244	395,297	1,620 (902)	1,361	227 - 5,000
Duisburg-Essen U	235	320,066	1,362 (512)	1,276	238 - 3,700
University of Oslo	218	339,354	1,557 (541)	1,522	70 - 3,522
Queen's University Belfast	216	350,202	1,621 (716)	1,454	534 - 5,060
Stuttgart U	210	254,329	1,211 (611)	1,261	91 - 3,320
Bochum U	204	304,382	1,492 (405)	1,562	100 - 2,648
University of Bristol	197	338,408	1,718 (851)	1,601	131 - 5,520
Ulm U	190	293,342	1,544 (537)	1,545	260 - 5,284
University of York	183	322,592	1,763 (936)	1,559	221 - 5,460
KTH Royal Institute of Technology	181	217,262	1,200 (728)	1,152	185 - 3,300
University of Tromsø - The Arctic University of Norway	179	252,462	1,410 (415)	1,523	496 - 2,404
University of St Andrews	174	318,843	1,832 (1,077)	1,520	157 - 5,392
Brunel University	171	237,582	1,389 (489)	1,336	220 - 4,333
GFZ-Potsdam	170	224,765	1,322 (809)	1,231	137 - 4,403
Linköping University	167	262,221	1,570 (655)	1,357	75 - 4,440
University of Leeds	166	317,217	1,911 (984)	1,579	332 - 4,475
Bayreuth U	165	193,663	1,174 (494)	1,245	82 - 2,112
University of Bergen	156	242,308	1,553 (499)	1,549	333 - 5,142
Virginia Tech	153	165,423	1,081 (472)	1,216	112 - 2,484
University of Exeter	152	287,533	1,892 (1,057)	1,532	225 - 5,555
Hannover U	138	181,409	1,315 (497)	1,392	124 - 2,159
TiHo Hannover	137	194,193	1,417 (468)	1,416	196 - 3,673

INRA	125	202,935	1,623 (642)	1,405	282 - 3,700
University of Reading	125	196,774	1,574 (642)	1,543	130 - 4,453
Aix-Marseille Université	123	181,635	1,477 (652)	1,305	333 - 3,960
Milano U	121	185,356	1,532 (722)	1,495	110 - 4,470
Norwegian University of Science and Technology	115	162,119	1,410 (492)	1,420	183 - 3,554
Indiana University - Purdue University Indianapolis (IUPUI)	114	166,599	1,461 (685)	1,362	212 - 4,920
Potsdam U	113	165,677	1,466 (387)	1,529	224 - 2,303
Oslo University Hospital	111	149,777	1,349 (373)	1,392	232 - 2,725
UFZ	98	119,123	1,216 (419)	1,258	232 - 2,290
University of Sussex	96	199,394	2,077 (1,190)	1,637	245 - 5,350
Harvard U	94	82,722	880 (539)	796	75 - 3,139
MDC	92	186,801	2,030 (1,125)	1,802	224 - 4,662
HZDR	83	122,636	1,478 (968)	1,213	236 - 6,512
Kassel U	78	85,210	1,092 (578)	1,136	65 - 2,321
INRIA	77	118,761	1,542 (645)	1,538	290 - 3,700
University of Warwick	74	146,885	1,985 (1,410)	1,639	442 - 9,028
TU Chemnitz	73	84,652	1,160 (650)	1,289	78 - 2,123
University of Nottingham	68	124,918	1,837 (798)	1,626	803 - 5,319
Institut de recherche pour le développement (IRD)	66	89,007	1,349 (498)	1,313	91 - 2,256
Osnabrück U	65	90,046	1,385 (611)	1,553	173 - 2,496
Lancaster University	64	101,253	1,582 (811)	1,499	256 - 4,470
Örebro University	64	84,298	1,317 (536)	1,342	216 - 2,808
Norwegian Institute of Public Health	63	84,324	1,338 (259)	1,418	400 - 1,766
University of Agder	62	42,571	687 (421)	536	86 - 2,145
Dortmund TU	61	75,727	1,241 (879)	1,426	107 - 4,403
University of Chemistry and Technology, Prague	61	70,856	1,162 (560)	1,202	60 - 2,798
Northumbria University	57	96,627	1,695 (769)	1,581	144 - 4,335

Swansea University	57	99,199	1,740 (875)	1,419	511 - 4,689
University of Bath	57	92,876	1,629 (754)	1,515	113 - 4,186
Norwegian University of Life Sciences	53	72,307	1,364 (298)	1,449	481 - 1,678
Queen Mary, University of London	53	89,135	1,682 (1,041)	1,250	442 - 5,410
Luleå University of Technology	51	53,627	1,052 (387)	1,150	95 - 1,805
University of Leicester	51	83,750	1,642 (682)	1,652	418 - 4,765
Bamberg U	50	56,375	1,127 (583)	1,266	90 - 2,010
Université de Rennes 1	50	64,456	1,289 (506)	1,305	225 - 2,720
University of Durham	50	95,365	1,907 (998)	1,719	225 - 5,219
Hamburg TUHH	46	65,468	1,423 (483)	1,533	300 - 2,225
TU Wien	45	61,645	1,370 (496)	1,323	240 - 2,288
LSHTM	44	65,024	1,478 (524)	1,503	496 - 3,445
Aberystwyth University	42	88,324	2,103 (1,070)	1,895	664 - 5,893
CIRAD	42	62,119	1,479 (549)	1,449	94 - 2,600
Fraunhofer-Gesellschaft Publishing Fund	42	57,044	1,358 (394)	1,361	320 - 2,017
Université Clermont Auvergne	40	66,154	1,654 (872)	1,350	250 - 3,700
University of Strathclyde	40	63,464	1,587 (849)	1,513	416 - 4,343
University of Dundee	39	83,879	2,151 (955)	1,971	693 - 4,635
Aston University	36	70,678	1,963 (803)	1,700	713 - 4,845
Oslo and Akershus university college	36	45,728	1,270 (514)	1,252	86 - 2,238
TU Ilmenau	36	42,389	1,177 (553)	1,251	178 - 2,077
TU Darmstadt	35	48,777	1,394 (428)	1,497	226 - 2,166
Université Paris Descartes (Paris V)	35	47,757	1,364 (696)	1,301	252 - 3,360
Heriot-Watt University	33	79,717	2,416 (1,042)	2,248	1,130 - 4,408
TU Braunschweig	33	40,822	1,237 (683)	1,531	181 - 2,142
Université de Caen Normandie	32	41,815	1,307 (462)	1,350	300 - 2,250

Université Pierre et Marie Curie (Paris VI)	32	50,846	1,589 (811)	1,396	160 - 4,275
TU Berlin	30	40,074	1,336 (438)	1,392	433 - 1,990
Université de Bourgogne	29	46,606	1,607 (728)	1,534	826 - 4,485
University of East Anglia	29	47,521	1,639 (1,053)	1,535	223 - 4,379
Dalarna University College	28	39,181	1,399 (620)	1,667	283 - 2,338
Cranfield University	26	40,286	1,549 (624)	1,370	228 - 3,122
Liverpool School of Tropical Medicine	26	45,261	1,741 (635)	1,656	614 - 4,046
Plymouth University	26	37,850	1,456 (520)	1,438	333 - 2,716
University of Aberdeen	26	48,895	1,881 (695)	1,787	985 - 4,556
Lund University	24	32,295	1,346 (541)	1,410	397 - 2,429
Université de Nantes	24	36,474	1,520 (651)	1,495	286 - 3,400
Malmö University	23	25,942	1,128 (516)	1,394	227 - 1,882
Université Toulouse III - Paul Sabatier	23	39,591	1,721 (968)	1,350	888 - 4,700
IRSTEA	21	27,516	1,310 (622)	1,495	300 - 2,175
LSE	21	37,285	1,775 (749)	1,781	496 - 3,000
Université Lille 2					
University of Loughborough	2 1	31,45 3	1,498 (771)	1,58 1	384 - 4,204
Bangor University	2 0	33,80 0	1,690 (672)	1,57 2	429 - 3,025
Institute of Cancer Research	2 0	43,13 3	2,157 (1,106)	1,67 3	1,205 - 5,118
Université de Lorraine	2 0	24,91 4	1,246 (577)	1,12 8	181 - 2,331
Keele University	1 9	31,43 1	1,654 (395)	1,64 4	1,048 - 2,459
St George's, University of London	1 9	36,28 4	1,910 (702)	1,86 2	575 - 3,991
Uni Research	1 9	28,07 0	1,477 (610)	1,47 4	731 - 3,685
University College of Southeast Norway	1 9	19,10 7	1,006 (584)	907	112 - 2,155
Norwegian Institute for Nature Research	1 8	23,24 1	1,291 (390)	1,26 4	640 - 2,186
Université de Bordeaux	1 8	25,74 5	1,430 (456)	1,25 8	960 - 2,600
Université de Franche-Comté	1 8	21,69 6	1,205 (436)	1,18 4	300 - 2,160

University of Huddersfield	1 8	27,04 5	1,502 (407)	1,57 8	761 - 2,512
Uppsala University	1 8	15,61 2	867 (549)	874	180 - 2,132
Manchester Metropolitan University	1 7	27,26 2	1,604 (455)	1,56 7	461 - 2,423
MLU Halle-Wittenberg	1 7	36,87 4	2,169 (921)	2,14 2	533 - 4,403
University of Kent	1 7	32,25 3	1,897 (975)	1,55 5	756 - 4,351
Ecole normale supérieure de Paris	1 6	35,53 8	2,221 (1,135)	2,02 7	339 - 3,700
Université de Strasbourg	1 6	24,67 2	1,542 (730)	1,38 7	214 - 3,700
University of Surrey	1 5	26,80 3	1,787 (1,129)	1,34 9	674 - 4,305
Institute of Marine Research	1 4	20,15 3	1,439 (325)	1,40 4	966 - 2,129
NILU - Norwegian Institute for Air Research	1 4	20,64 7	1,475 (487)	1,44 1	661 - 2,462
Rhode Island U	1 4	11,63 9	831 (605)	691	77 - 2,019
Bergen University College	1 3	19,98 4	1,537 (511)	1,71 3	184 - 2,120
IST Austria	1 3	30,57 8	2,352 (1,608)	1,63 2	562 - 5,412
Nord University	1 2	14,97 4	1,248 (559)	1,12 6	101 - 2,045
Royal Holloway	1 2	20,91 4	1,743 (904)	1,51 2	921 - 4,363
Trier U	1 2	18,71 6	1,560 (257)	1,57 2	1,152 - 1,963
TU Clausthal	1 2	11,02 3	919 (585)	918	181 - 2,099
Université Paris Diderot (Paris VII)	1 2	19,64 9	1,637 (1,032)	1,38 8	599 - 3,700
Akershus University Hospital	1 1	15,68 0	1,425 (402)	1,29 0	834 - 1,979
IFSTTAR	1 1	11,32 0	1,029 (648)	855	296 - 2,160
Université Lille 1	1 1	15,09 9	1,373 (453)	1,26 6	495 - 2,130
ESPCI Paris	1 0	18,13 2	1,813 (1,059)	1,40 4	761 - 3,700
Goldsmiths	1 0	14,06 5	1,406 (426)	1,43 7	608 - 1,922
Institut national polytechnique de Toulouse	1 0	12,71 0	1,271 (527)	1,17 0	247 - 2,047
Umeå University	1 0	10,60 4	1,060 (735)	755	323 - 2,700
Université Nice-Sophia-Antipolis	1 0	11,55 2	1,155 (541)	1,30 5	291 - 1,990

Université Claude Bernard Lyon 1	9	13,69 1	1,521 (479)	1,25 3	1,165 - 2,528
Université Grenoble Alpes	9	10,37 8	1,153 (463)	1,16 5	542 - 1,968
University of Hull	9	11,01 6	1,224 (519)	1,43 7	617 - 2,016
Karolinska Institutet	8	5,073	634 (215)	755	199 - 755
Leeds Beckett University	8	12,92 7	1,616 (388)	1,46 1	1,169 - 2,276
The Open University	8	16,62 3	2,078 (948)	1,85 6	1,355 - 4,312
Université d'Angers	8	11,31 3	1,414 (770)	1,77 9	300 - 2,116
Université de Poitiers	7	9,691	1,384 (541)	1,09 9	934 - 2,341
Université de Toulon	7	11,70 3	1,672 (724)	1,49 5	1,058 - 3,150
Chalmers University of Technology	6	5,817	970 (444)	1,01 2	413 - 1,650
Leibniz-IGB	6	12,13 4	2,022 (1,376)	2,13 2	299 - 3,700
Nansen Environmental and Remote Sensing Center	6	5,298	883 (407)	775	582 - 1,655
University College West	6	4,868	811 (464)	729	272 - 1,677
University of Portsmouth	6	8,489	1,415 (403)	1,30 3	887 - 1,915
GenØk - Centre for Biosafety	5	5,295	1,059 (449)	1,10 9	400 - 1,650
INM - Leibniz-Institut für Neue Materialien	5	5,744	1,149 (560)	1,30 5	237 - 1,679
Norwegian Center for Studies on Violence and Traumatic Stress	5	4,605	921 (342)	953	563 - 1,362
Sørlandet Hospital Trust	5	8,453	1,691 (413)	1,66 7	1,194 - 2,337
Université d'Avignon et des Pays de Vaucluse	5	5,930	1,186 (576)	1,35 0	300 - 1,750
University of the West of England	5	4,902	980 (118)	926	851 - 1,143
BI Norwegian Business School	4	2,761	690 (398)	724	219 - 1,094
Edinburgh Napier University	4	6,222	1,556 (666)	1,29 7	1,094 - 2,533
Fridtjof Nansen Institute	4	5,062	1,265 (214)	1,30 3	1,010 - 1,446
Hospices Civils de Lyon	4	5,695	1,424 (245)	1,32 0	1,266 - 1,789
IPN	4	3,909	977 (1,099)	479	330 - 2,621
University of Salford	4	5,714	1,429 (657)	1,48 0	744 - 2,010
University of Ulster	4	4,012	1,003 (407)	919	613 - 1,561
Vestfold Hospital Trust	4	6,134	1,533 (286)	1,53 2	1,241 - 1,828
Vestre Viken Hospital Trust	4	5,796	1,449 (360)	1,55 5	931 - 1,754
Glasgow Caledonian University	3	4,732	1,577 (934)	1,86 7	533 - 2,332

Innlandet Hospital Trust	3	5,174	1,725 (394)	1,917	1,271 - 1,985
Molde University College	3	1,876	625 (257)	584	392 - 900
SINTEF	3	3,633	1,211 (145)	1,176	1,087 - 1,370
Harstad University College	2	2,024	1,012 (1,310)	1,012	86 - 1,938
Liverpool John Moores University	2	1,815	908 (876)	908	288 - 1,527
Norwegian Institute for Agricultural and Environmental Research	2	2,389	1,194 (0)	1,194	1,194 - 1,194
Norwegian Institute of Water Research	2	1,813	906 (16)	906	895 - 918
Norwegian School of Sport Sciences	2	1,568	784 (500)	784	431 - 1,137
Linnaeus University	1	630	630 (0)	630	630 - 630
TIB	1	1,619	1,619 (0)	1,619	1,619 - 1,619
University of Stavanger	1	709	709 (0)	709	709 - 709

Articles published in hybrid open access journals

Hybrid open access journals, which allow articles to be published immediately as open access after a charge was paid, rely on both publication fees and subscriptions as revenue source. This dataset covers 31,632 open access articles being published in hybrid journals. Total expenditure amounts to 79,365,473 €. Average fee is 2,509 € and the median 2,453 €.

The following institutions have contributed expenditures on hybrid open access journal articles.

Institution	Articles	Spending total (in €)	Mean (SD)	Median	Minimum - Maximum
UCL	3,929	8,701,026	2,215 (945)	2,092	157 - 5,701
FWF - Austrian Science Fund	3,772	9,274,441	2,459 (812)	2,599	120 - 6,601
Wellcome Trust	3,592	9,391,616	2,615 (934)	2,584	194 - 6,036
University of Cambridge	2,110	5,858,386	2,776 (1,042)	2,661	127 - 6,334
University of Oxford	1,788	5,209,199	2,913 (1,161)	2,691	37 - 9,070
Imperial College London	1,528	4,173,924	2,732 (935)	2,663	134 - 6,511
University of Manchester	1,368	3,418,888	2,499 (966)	2,408	169 - 7,133
King's College London	936	2,532,498	2,706 (996)	2,640	272 - 7,438
University of Edinburgh	898	2,360,785	2,629 (1,032)	2,513	183 - 5,624
University of Birmingham	785	1,990,790	2,536 (971)	2,484	274 - 6,849
Cardiff University	756	1,891,323	2,502 (856)	2,553	261 - 5,541
University of Sheffield	708	1,768,933	2,498 (952)	2,355	66 - 6,939

University of Glasgow	682	1,785,849	2,619 (1,036)	2,489	187 - 9,858
University of Newcastle	597	1,699,728	2,847 (1,010)	2,687	271 - 7,315
University of Bristol	558	1,348,747	2,417 (880)	2,275	289 - 5,663
University of Liverpool	514	1,240,755	2,414 (812)	2,389	132 - 5,199
University of Southampton	352	883,747	2,511 (865)	2,528	109 - 5,627
University of Reading	341	770,786	2,260 (834)	2,283	527 - 6,138
Stockholm University	298	666,448	2,236 (895)	2,330	266 - 5,502
University of York	296	734,054	2,480 (905)	2,341	274 - 5,555
University of Leeds	294	777,656	2,645 (989)	2,645	270 - 6,722
University of Exeter	287	784,591	2,734 (983)	2,669	304 - 5,813
University of Warwick	267	679,743	2,546 (808)	2,574	739 - 5,208
University of Durham	265	563,728	2,127 (638)	2,091	224 - 3,788
Brunel University	253	551,344	2,179 (1,086)	2,238	234 - 7,649
University of Loughborough	240	550,266	2,293 (944)	2,226	217 - 4,858
University of Bath	239	551,271	2,307 (841)	2,191	194 - 4,822
Swedish University of Agricultural Sciences	220	520,879	2,368 (598)	2,330	731 - 4,922
University of Gothenburg	197	479,499	2,434 (822)	2,523	246 - 4,743
University of St Andrews	191	426,334	2,232 (816)	2,147	240 - 5,271
Lancaster University	169	355,779	2,105 (988)	2,052	217 - 4,681
University of Sussex	152	360,912	2,374 (968)	2,334	331 - 5,350
Swansea University	148	379,743	2,566 (824)	2,615	408 - 5,267
University of Strathclyde	148	284,785	1,924 (652)	1,940	99 - 4,012
INSERM	137	321,923	2,350 (983)	2,350	268 - 4,485
KTH Royal Institute of Technology	136	248,396	1,826 (550)	1,848	2 - 3,362
University of Nottingham	133	343,025	2,579 (912)	2,626	419 - 5,806
Queen Mary, University of London	130	296,514	2,281 (1,233)	2,024	217 - 9,079

Cranfield University	116	342,898	2,956 (774)	3,247	633 - 4,114
University of Dundee	114	292,141	2,563 (1,164)	2,498	18 - 5,505
University of Leicester	109	275,911	2,531 (1,038)	2,326	685 - 5,414
Aston University	96	211,857	2,207 (808)	2,238	338 - 4,399
CNRS	92	190,381	2,069 (932)	2,200	189 - 5,109
LSHTM	79	199,854	2,530 (706)	2,287	1,089 - 4,639
FZJ - ZB	78	156,289	2,004 (877)	1,979	190 - 4,165
Queen's University Belfast	70	171,779	2,454 (1,273)	2,184	269 - 5,701
Institute of Cancer Research	67	206,220	3,078 (945)	2,811	1,315 - 5,296
University of East Anglia	61	138,852	2,276 (1,075)	2,088	156 - 5,525
Northumbria University	60	142,681	2,378 (1,084)	2,240	596 - 5,294
Swiss National Science Foundation (SNSF)	58	119,225	2,056 (862)	2,153	247 - 4,452
University of Surrey	57	146,501	2,570 (868)	2,462	885 - 5,195
Linköping University	54	111,882	2,072 (737)	2,132	234 - 3,750
LSE	50	101,974	2,039 (1,000)	2,067	527 - 5,392
University of Calgary	46	92,407	2,009 (447)	2,183	505 - 2,665
Örebro University	44	89,852	2,042 (673)	2,150	250 - 3,870
University of Huddersfield	44	64,318	1,462 (965)	990	501 - 3,666
Heriot-Watt University	41	95,394	2,327 (701)	2,319	606 - 3,557
Royal Holloway	41	97,626	2,381 (1,089)	2,173	617 - 5,210
University of Kent	40	85,892	2,147 (872)	2,066	273 - 3,976
Bangor University	39	106,903	2,741 (841)	2,714	535 - 4,168
Lund University	39	77,850	1,996 (635)	2,132	248 - 3,040
University of Aberdeen	34	101,418	2,983 (870)	2,809	431 - 5,253
Luleå University of Technology	32	67,536	2,110 (793)	2,290	234 - 3,499
MDC	29	74,019	2,552 (1,244)	2,200	491 - 4,936

Milano U	28	62,792	2,243 (891)	2,300	400 - 4,000
Uppsala University	26	53,226	2,047 (456)	2,132	935 - 2,630
Aberystwyth University	25	60,449	2,418 (979)	2,613	567 - 3,941
Keele University	25	65,045	2,602 (356)	2,644	1,953 - 3,239
Plymouth University	25	63,476	2,539 (678)	2,673	1,154 - 3,662
INRA	24	54,829	2,285 (924)	2,316	592 - 4,628
Karolinska Institutet	24	37,567	1,565 (878)	1,774	234 - 3,040
The Open University	24	57,561	2,398 (962)	2,803	274 - 3,467
Manchester Metropolitan University	23	51,545	2,241 (928)	2,412	376 - 3,481
St George's, University of London	23	67,276	2,925 (801)	2,756	621 - 5,208
Umeå University	23	45,340	1,971 (815)	2,132	248 - 3,040
IPN	22	53,603	2,437 (554)	2,558	1,181 - 3,540
Ulm U	17	35,219	2,072 (547)	2,319	1,308 - 2,631
Aix-Marseille Université	16	39,152	2,447 (837)	2,446	450 - 3,780
University of Hull	15	41,658	2,777 (615)	2,640	1,912 - 3,997
CIRAD	14	30,710	2,194 (843)	2,450	328 - 3,229
Liverpool School of Tropical Medicine	14	42,345	3,025 (745)	3,039	1,299 - 4,203
Virginia Tech	14	20,480	1,463 (575)	1,256	633 - 2,337
GIGA	13	27,235	2,095 (423)	2,151	987 - 2,583
Dalarna University College	12	32,958	2,746 (783)	2,710	1,631 - 4,679
University of the West of England	11	26,654	2,423 (1,365)	2,345	97 - 4,416
University of Ulster	11	22,566	2,051 (1,220)	2,193	236 - 3,868
GFZ-Potsdam	10	24,555	2,455 (1,037)	2,643	134 - 3,795
Malmö University	10	22,099	2,210 (477)	2,349	1,191 - 2,631
MPG	10	9,179	918 (113)	958	727 - 1,034
Duisburg-Essen U	9	23,845	2,649 (67)	2,618	2,577 - 2,800
INM - Leibniz-Institut für Neue Materialien	9	27,020	3,002 (740)	3,213	1,785 - 3,861

TiHo Hannover	9	16,412	1,824 (928)	1,595	547 - 3,115
Université Paris Descartes (Paris V)	9	16,978	1,886 (620)	2,033	740 - 2,641
Goldsmiths	8	21,665	2,708 (702)	2,636	1,969 - 3,985
Chalmers University of Technology	7	16,723	2,389 (323)	2,429	2,132 - 3,040
INRIA	6	10,941	1,823 (697)	1,865	846 - 2,790
University of Portsmouth	6	13,412	2,235 (751)	2,652	1,193 - 2,785
Institut de recherche pour le développement (IRD)	5	6,375	1,275 (1,431)	440	138 - 3,136
Leibniz-IGB	5	10,273	2,055 (1,344)	2,871	352 - 3,200
Université Lille 1	5	14,411	2,882 (418)	2,959	2,200 - 3,348
Université Pierre et Marie Curie (Paris VI)	5	12,458	2,492 (820)	2,275	1,540 - 3,480
University of Chemistry and Technology, Prague	5	10,001	2,000 (633)	2,200	1,109 - 2,767
University of Salford	5	13,547	2,709 (239)	2,662	2,382 - 2,981
Ecole normale supérieure de Paris	4	17,077	4,269 (3,800)	2,909	1,410 - 9,848
Glasgow Caledonian University	4	13,215	3,304 (414)	3,382	2,771 - 3,680
Hannover U	4	5,824	1,456 (180)	1,398	1,323 - 1,704
University College West	4	8,395	2,099 (245)	2,022	1,906 - 2,443
ESPCI Paris	3	5,574	1,858 (846)	2,160	902 - 2,512
Hospices Civils de Lyon	3	8,317	2,772 (198)	2,677	2,640 - 3,000
HZDR	3	5,405	1,802 (746)	1,755	1,080 - 2,570
Konstanz U	3	5,556	1,852 (525)	1,950	1,285 - 2,320
TU Clausthal	3	7,082	2,361 (349)	2,500	1,964 - 2,618
Université Paris Diderot (Paris VII)	3	4,405	1,468 (82)	1,500	1,375 - 1,530
GenØk - Centre for Biosafety	2	3,650	1,825 (371)	1,825	1,563 - 2,087
Indiana University - Purdue University Indianapolis (IUPUI)	2	3,019	1,509 (136)	1,509	1,413 - 1,605
IST Austria	2	6,499	3,249 (310)	3,249	3,031 - 3,468
Liverpool John Moores University	2	6,793	3,396 (368)	3,396	3,136 - 3,656

Université Clermont Auvergne	2	2,702	1,351 (1,134)	1,351	549 - 2,153
Université de Nantes	2	6,191	3,096 (572)	3,096	2,691 - 3,500
Université de Poitiers	2	3,836	1,918 (545)	1,918	1,532 - 2,303
Université de Rennes 1	2	1,310	655 (629)	655	210 - 1,100
Université de Strasbourg	2	5,914	2,957 (1,070)	2,957	2,200 - 3,714
Weierstrass Institute for Applied Analysis and Stochastics	2	4,870	2,435 (332)	2,435	2,200 - 2,670
Bergen University College	1	503	503 (0)	503	503 - 503
Borås University College	1	1,950	1,950 (0)	1,950	1,950 - 1,950
Dortmund TU	1	1,581	1,581 (0)	1,581	1,581 - 1,581
Edinburgh Napier University	1	3,155	3,155 (0)	3,155	3,155 - 3,155
Erlangen Nuernberg U	1	1,638	1,638 (0)	1,638	1,638 - 1,638
FU Berlin	1	1,500	1,500 (0)	1,500	1,500 - 1,500
JGU Mainz	1	1,792	1,792 (0)	1,792	1,792 - 1,792
KIT	1	2,000	2,000 (0)	2,000	2,000 - 2,000
Leeds Beckett University	1	2,406	2,406 (0)	2,406	2,406 - 2,406
OpenAIRE	1	2,000	2,000 (0)	2,000	2,000 - 2,000
TU Chemnitz	1	100	100 (0)	100	100 - 100
Université Claude Bernard Lyon 1	1	1,875	1,875 (0)	1,875	1,875 - 1,875
Université de Bordeaux	1	2,709	2,709 (0)	2,709	2,709 - 2,709
Université de Bourgogne	1	1,950	1,950 (0)	1,950	1,950 - 1,950
Université de Caen Normandie	1	750	750 (0)	750	750 - 750
Université de Franche-Comté	1	307	307 (0)	307	307 - 307
Université de Lorraine	1	1,370	1,370 (0)	1,370	1,370 - 1,370
Université de Toulon	1	1,378	1,378 (0)	1,378	1,378 - 1,378
Université Grenoble Alpes	1	350	350 (0)	350	350 - 350
Université Lille 2	1	3,977	3,977 (0)	3,977	3,977 - 3,977
Université Nice-Sophia-Antipolis	1	2,000	2,000 (0)	2,000	2,000 - 2,000
Université Toulouse III - Paul Sabatier	1	3,000	3,000 (0)	3,000	3,000 - 3,000

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