

PATHWAYS AND PITFALLS - MANAGEMENT AND MONITORING OF PUBLICATION CHARGES IN LIBRARIES

AT2OA2 - Workshop Open Access Cost Monitoring

28 June 2022 | Irene Barbers | Forschungszentrum Jülich, Central Library

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Member of the Helmholtz Association



BACKGROUND: FORSCHUNGSZENTRUM JÜLICH (FZJ)

- 11 institutes – 80 institute sections
- 7,000 staff, among them
- 3,000 researchers, with
- 3,000 publications per year
- part of the Helmholtz Association

3

Research focus areas



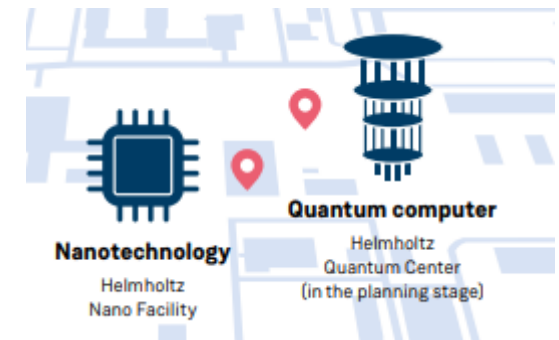
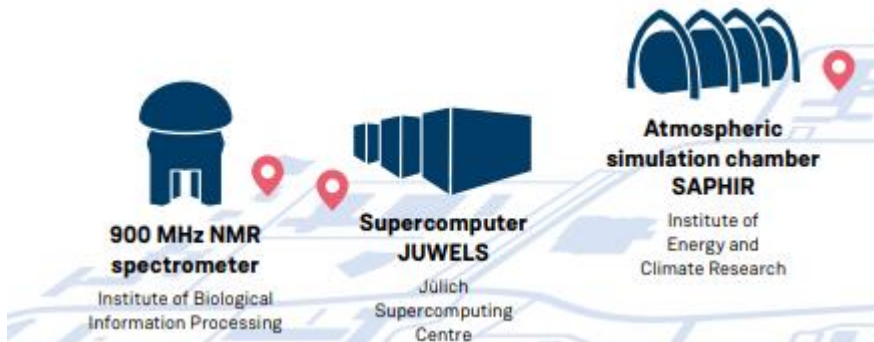
Information



Energy



Bioeconomy



BACKGROUND - FZJ CENTRAL LIBRARY

- **35 staff, full library service on campus and remote**
- **Management of licenses for the Helmholtz Consortium with libraries from 18 institutions**
- **Funding of our institution's Gold OA Publications and Transformative Agreements**
- **Management of APCs and publication charges for the whole institution**
- **Contractor for DFG: Monitoring of Funding Program for Open Access Publication Costs**
- **Open Access Monitor Germany**

PUBLICATION CHARGES: WORKFLOWS

- Verification
- **Invoices / Accounting**
- **Monitoring**
- **Reporting**

PUBLICATION CHARGES AT FZJ: INVOICES

Electronic workflow:

- **Central Invoice Management: send invoice to**
- **→ Library: check, assign funding / cost center, submit description for post entry, send back to**
- **→ Accounting: make necessary changes, send back to**
- **→ Library or Institute: final confirmation by cost center responsible for funding, send back to**
- **→ Accounting: payment and final post entry into accounting system**

PUBLICATION CHARGES AT FZJ: INVOICES

APC
ACA
Author Colour Artwork
Article
Article Fee
Article Processing
Charge
Article Processing Fee
Back Inside Cover
Book Processing Charge
Chapter Fee
Colour Charge
Cover Charges
Hybrid OA

Item Charges
License No
Manuscript
Manuscript no.
OA
Open Access Charge
Page Charge
Pre-Payment
Publication
Publication Charge
Publication Fee
Submission Fee
Publication Title
Source Title

- **Supporting material for accounting department: list of terms**
- **→ send any invoice with one of these terms or similar to the library**

PUBLICATION CHARGES AT FZJ: INVOICES



**SOCIETY for
NEUROSCIENCE**

1121 14th Street NW
Suite 1010
Washington, DC 20005

Phone (202) 962-4000
Web SfN.org

Invoice #: eNeuro02189
Manuscript #: eN-TNC-0316-21R1
Invoice Date: 01-18-2022
Linking brain structure, activity and
Title: cognitive function through
computation
Authors: Katrin Amunts...Viktor Jirsa

Bill To:
Katrin M.C. Amunts
Forschungszentrum Jülich GmbH
Institute of Neurosciences and Medicine (INM-1)
Wilhelm-Johnen-Straße 1
Jülich D-52428
Germany

Description	Item Cnt	Item Amt	Total
Wire Transfer Fee	1	\$25.00	\$25.00
Publication Fee (Non Member)	1	\$3285.00	\$3285.00
Amount Paid:			\$0.00
Balance Due:			\$3310.00
Due By:			01-20-2022



xFlow-Daten
Prozess-ID: 321548
Objekttyp: /WMD/XF_AP
Objektschlüssel: 010012001767442022
xFlow Builder ID: 0001000012
Version: 001
Fertig: X
Zeitstempel: 28.01.2022 14:05:05

Kopfdaten
Betrag: 3.310,00 USD
SAP Belegnr.: 1200176744
Lieferant: 204629

Positionsdaten

Betrag	Kostenstelle	Sachkonto
3.310,00	58500	47600

xFlow-Notizen
Notiztext

*** [REDACTED] A, 25.01.2022 - 11:34:59 / [REDACTED] ***
Bitte prüfen

*** [REDACTED] 27.01.2022 - 07:57:46 / [REDACTED] ***
Bitte prüfen

*** [REDACTED] , 28.01.2022 - 08:42:50 / [REDACTED] ***
Bitte Segmenttext SD verwenden#Bitte Änderungen (Segmenttext) beachten

*** [REDACTED] , 28.01.2022 - 08:50:54 / [REDACTED] ***
Bitte Innenauftrag 99000886 verwenden#Bitte Änderungen (Innenauftrag) beachten#Fachlich geprüft

*** [REDACTED] A, 28.01.2022 - 14:05:01 / [REDACTED] ***
Fachlich und sachlich geprüft

MANAGEMENT OF PUBLICATION CHARGES WITH THE REPOSITORY

Information

Referenzen (0)

Zitationen (0)

Schlagwörter

Diskussion (0)

Nutzer-Statistik

Dateien

Plots

Holdings



Report Total costs: 2919.05

Journal Article

FZJ-2022-00946

Linking brain structure, activity and cognitive function through computation

Amunts, K. (Corresponding author)*
Soc. Washington, DC

eNeuro 

Classification:

- ddc:610

MANAGEMENT OF PUBLICATION CHARGES IN THE REPOSITORY



Report Total costs: 2919.05

Corresponding authors: **Amunts, Katrin***

Editors:

Status	Type	Price	Currency	Cost centre	Credit card/Deposit	Date of invoice	Invoice No.	Man-ID	Comment	Local Ref.	Date
Zahlung erfolgt ▾	APC ▾	2919.05	EUR ▾	ZB	▾	2022-01-18	eNeuro02189	eN-TN	Belegnr. 1200176744; USD 3		2022-01-28
▾	▾	1.00	EUR ▾	AB-12345, Depo:	▾	yyyy-mm-dd	123456	by pub.			yyyy-mm-dd
▾	▾	1.00	EUR ▾	AB-12345, Depo:	▾	yyyy-mm-dd	123456	by pub.			yyyy-mm-dd

Save

Journal Article

FZJ-2022-00946

Linking brain structure, activity and cognitive function through computation

Amunts, K. (Corresponding author)*
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eNeuro 

MANAGEMENT OF PUBLICATION CHARGES IN THE REPOSITORY

Standardized records



Report Total costs: 2919.05

Corresponding authors: **Amunts, Katrin***

Editors:

Status	Type	Price	Currency	Cost centre	Credit card/Deposit	Date of invoice	Invoice No.	Man-ID	Comment	Local Ref.	Date
Zahlung erfolgt ▾	APC ▾	2919.05	EUR ▾	ZB	▾	2022-01-18	eNeuro02189	eN-TNC	Belegnr. 1200176744; USD 3		2022-01-28
	▾	1.00	EUR ▾	AB-12345, Depo:	▾	yyyy-mm-dd	123456	by pub.			yyyy-mm-dd
	▾	1.00	EUR ▾	AB-12345, Depo:	▾	yyyy-mm-dd	123456	by pub.			yyyy-mm-dd

Bestellt

Zahlung angewiesen

Zahlung erfolgt

Storniert

Voucher

Deposit

Offsetting

Flatrate

DEAL

Publish and Read

FZJ-2022-00946

Linking brain structure, activity and cognitive function through computation

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Zahlung erfolgt	APC	2919.05	EUR	ZB		2022-01-18	eNeuro02189	eN-TNK	Belegnr. 1200176744; USD 3		2022-01-28
			EUR	AB-12345, Depo:		yyyy-mm-dd	123456	by pub.			yyyy-mm-dd
			EUR	AB-12345, Depo:		yyyy-mm-dd	123456	by pub.			yyyy-mm-dd

Save

Journal Article

APC

Hybrid-OA

Publication charges

Submission fee

Page charges

Colour charges

Permission

Reprint

Cover

Other

FZJ-2022-00946

in structure, activity and cognitive function through computation

Amunts, K. (Corresponding author)*
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eNeuro



MANAGEMENT OF PUBLICATION CHARGES IN THE REPOSITORY

Publish and Read Articles

Information

Diskussion (0)

Dateien

Plots

Report

Status	Type	Price	Currency	Cost centre	Credit card/Deposit	Date of invoice	Invoice No.	Man-ID	Comment	Local Ref.	Date
Publish and Read ▾	Hybrid-OA ▾	0.00	EUR ▾	ZB	▾	yyyy-mm-dd	123456	by pub			2022-04-19
▾	▾	1.00	EUR ▾	AB-12345, Dep	▾	yyyy-mm-dd	123456	by pub			yyyy-mm-dd
▾	▾	1.00	EUR ▾	AB-12345, Dep	▾	yyyy-mm-dd	123456	by pub			yyyy-mm-dd

Save

Journal Article

FZJ-2022-01939

MANAGEMENT OF PUBLICATION CHARGES IN THE REPOSITORY

Hybrid-OA, Page Charges, and Colour Charges



Report Total costs: 8072.95

Status	Type	Price	Currency	Cost centre	Credit card/Deposit	Date of invoice	Invoice No.	Man-ID	Comment	Date
Zahlung erfolgt	Submission fee	67.95	EUR	40500/E.40401.5		2020-01-23	123456	by publ	USD 75,- HM 4.5.2020, durch F	2020-05-05
Zahlung erfolgt	Hybrid-OA	3578.00	EUR	40500/E.4040152		2020-07-07	E13807439	bhaa20	Belegnr. 1200154746	2020-07-09
Zahlung erfolgt	Page charges	752.00	EUR	40500/E.40401.5		2020-09-19	E13923050	by publ	Belegnr. 1200157714	2020-09-30
Zahlung erfolgt	Colour charge	3675.00	EUR	40500/E.40401.5		2020-09-19	E13923050	by publ	Belegnr. 1200157714	2020-09-30
		1.00	EUR	AB-12345, Depos		yyyy-mm-dd	123456	by publ		yyyy-mm-dd
		1.00	EUR	AB-12345, Depos		yyyy-mm-dd	123456	by publ		yyyy-mm-dd

Save

Journal Article
FZJ-2020-01874

MONITORING AND REPORTING

Juser ID	Publication Type	Journal	Verlag	Pub Year	Type	Status	Preis	Datum	Kostenstelle Projektnum mer	Credit Card Deposit	DOI	License	Open Access Status in JuSER
FZJ-2022-02070	Book			2023	Other	Zahlung erfolgt	1.785,00€	04.05.2022	10700/ E.57200.05			n.a.	False
FZJ-2022-01546	Journal Article	Journal of power sources advances	Elsevier	2022		Storniert	1.620,00€	01.06.2022			10.1016/j.powera.2022.100089	n.a.	False
FZJ-2022-00417	Journal Article	Ultramicroscopy	Elsevier	2022	Hybrid-OA	Zahlung erfolgt	2.670,00€	01.06.2022	68100 /E2310267		10.1016/j.ultramic.2021.113392	Creative Commons Attribution- NonCommercial-NoDerivs CC BY-NC-ND 4.0	True
FZJ-2022-00157	Journal Article	Applied intelligence	Springer	2022	APC	Zahlung erfolgt	2.671,55€	01.06.2022	57500		10.1007/s10489-021-02808-2	Creative Commons Attribution CC BY 4.0	True
FZJ-2022-02282	Contribution to a book			2022	Publication charges	Zahlung angewiesen	121,38€	01.06.2022	15900 / E6610002			n.a.	False
FZJ-2022-01182	Journal Article	Computational and structural biotechnology journal	Elsevier	2022	APC	Zahlung erfolgt	2.200,00€	25.05.2022	ZB		10.1016/j.csbj.2021.12.029	Creative Commons Attribution- NonCommercial-NoDerivs CC BY-NC-ND 4.0	True
FZJ-2022-00124	Journal Article	Journal of magnetism and magnetic materials	Elsevier	2022	Hybrid-OA	Zahlung erfolgt	2.480,00€	24.05.2022	68100 / E2310267		10.1016/j.jmmm.2021.168535	Creative Commons Attribution- NonCommercial-NoDerivs CC BY-NC-ND 4.0	True
FZJ-2022-02231	Journal Article	Bioresource technology reports		2022	Hybrid-OA	Zahlung erfolgt	2.510,00€	24.05.2022	42300/E4140201		10.1016/j.biteb.2022.100965	Creative Commons Attribution CC BY 4.0	True
FZJ-2022-00193	Journal Article	Advanced materials interfaces	Wiley	2022	Cover	Zahlung erfolgt	1.660,05€	23.05.2022	15400		10.1002/admi.202102078	n.a.	False
FZJ-2022-02160	Journal Article	eLife	eLife Sciences Publications	2022	APC	Zahlung erfolgt	2.852,66€	17.05.2022	ZB		10.7554/eLife.72824	Creative Commons Attribution CC BY (No Version)	False
FZJ-2022-02088	Journal Article	Royal Society Open Science	Royal Society of London	2022	APC	Zahlung erfolgt	1.420,08€	11.05.2022	ZB		10.1098/rsos.211822	Creative Commons Attribution CC BY (No Version)	False
FZJ-2022-02049	Journal Article	Chemical communications	Royal Society of Chemistry	2022	Cover	Zahlung erfolgt	1.198,20€	02.05.2022	DEB01240		10.1039/D1CC07172F	Creative Commons Attribution CC BY 3.0	True
FZJ-2022-02049	Journal Article	Chemical communications	Royal Society of Chemistry	2022	Cover	Zahlung erfolgt	1.198,20€	02.05.2022	DEB01240		10.1039/D1CC07172F	Creative Commons Attribution CC BY 3.0	True
FZJ-2022-01900	Journal Article	Nuclear fusion	Institute of Physics	2022	Page charges	Zahlung erfolgt	2.085,00€	25.04.2022	20200/DEA01264		10.1088/1741-4326/ac47764	Creative Commons Attribution CC BY 4.0	True
FZJ-2022-01900	Journal Article	Nuclear fusion	Institute of Physics	2022	Hybrid-OA	Zahlung erfolgt	1.418,00€	25.04.2022	20200/DEA01264		10.1088/1741-4326/ac47764	Creative Commons Attribution CC BY 4.0	True

MONITORING AND REPORTING WITH SQL SRS

**Publishers
standardized**



**Journals
standardized**



**Cost types
standardized**



**Aggregated
costs on all levels**



▣ Royal Society of Chemistry	Gesamt		3.606,80€	
▣ Royal Society of London	Gesamt		1.420,08€	
▣ Society for Neuroscience	Gesamt		9.194,03€	
	eNeuro	▣ Gesamt	5.035,70€	
		▣ APC	5.035,70€	
			2.919,05€	FZJ-2022-00946
	The journal of neuroscience		2.116,65€	FZJ-2022-02009
		▣ Gesamt	4.158,33€	
▣ Society of Nuclear Medicine	Gesamt		409,02€	
▣ Society of Rheology	Gesamt		2.189,15€	

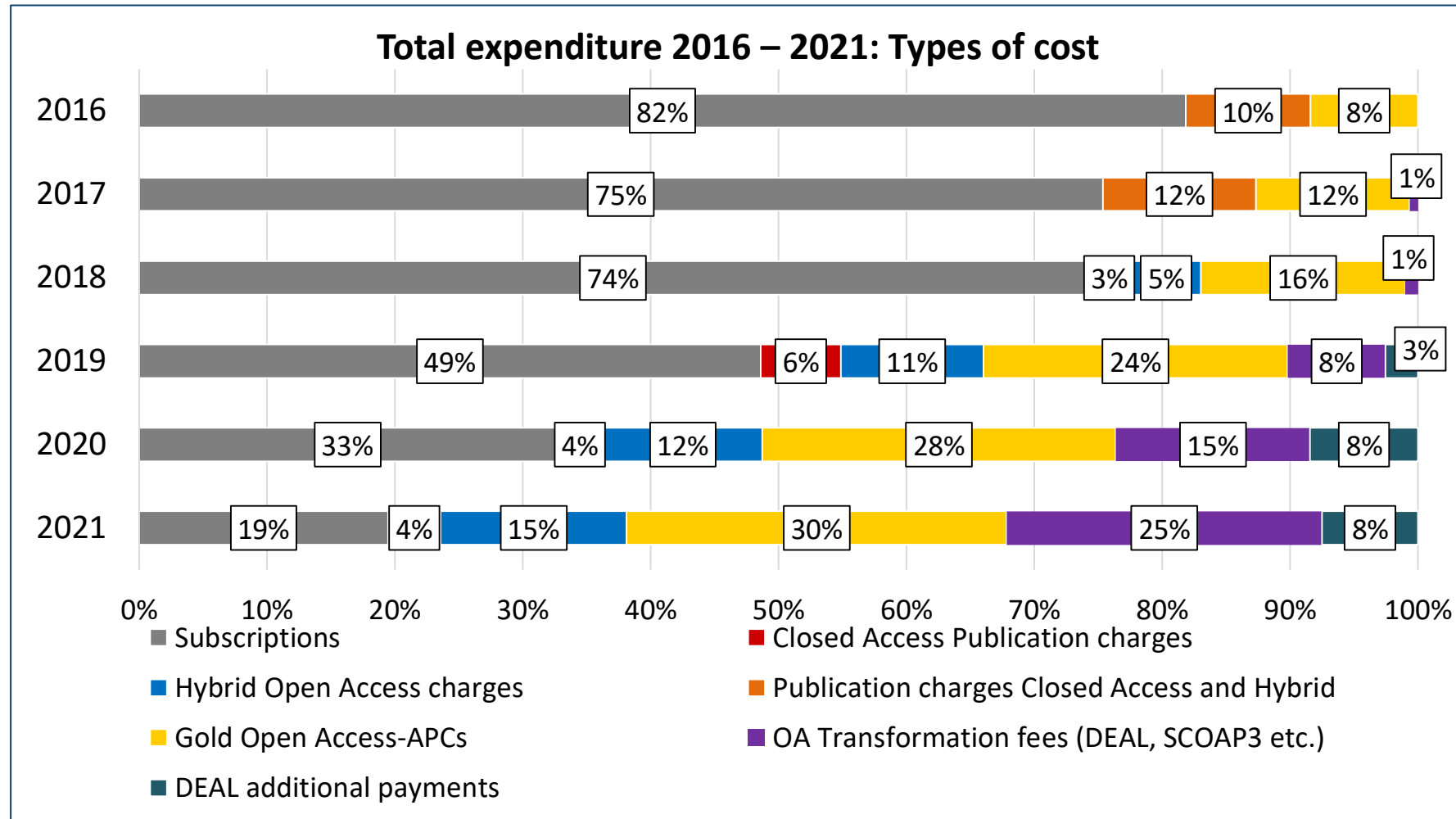
MONITORING AND REPORTING WITH SQL SRS

☐ Oxford Journals	Gesamt		29.660,50€		
	Brain	☐ Gesamt	3.856,05€		
	Brain communications	☐ Gesamt	2.975,00€		
	Cerebral cortex	☐ Gesamt	16.742,90€		
		☐ Colour charges	3.675,00€		
			3.675,00€	FZJ-2020-01874	←
		☐ Hybrid-OA	10.555,10€		
			3.578,00€	FZJ-2020-01872	
			3.399,10€	FZJ-2019-05569	
			3.578,00€	FZJ-2020-01874	←
		☐ Page charges	2.303,00€		
			658,00€	FZJ-2020-01872	
			752,00€	FZJ-2020-01874	←
			893,00€	FZJ-2019-01706	
		☐ Submission fee	209,80€		

Juser_ID	Journal	Verlag	Pub_Year	Type	Preis	Datum	DOI
FZJ-2020-01874	Cerebral cortex	Oxford Journals	2020	Submission fee	67,95 €	05.05.2020	10.1093/cercor/bhaa201
FZJ-2020-01874	Cerebral cortex	Oxford Journals	2020	Hybrid-OA	3.578,00 €	09.07.2020	10.1093/cercor/bhaa201
FZJ-2020-01874	Cerebral cortex	Oxford Journals	2020	Page charges	752,00 €	30.09.2020	10.1093/cercor/bhaa201
FZJ-2020-01874	Cerebral cortex	Oxford Journals	2020	Colour charges	3.675,00 €	30.09.2020	10.1093/cercor/bhaa201
					8.072,95 €		

MONITORING AND REPORTING– THE INSTITUTIONAL LEVEL

The Open Access Barometer – one step towards the information budget



https://go.fzj.de/oa_barometer_en

PITFALLS

- Split payments between institutions
- Payments that are not processed via the library
- Authors getting lost during submission process and not recognizing eligibility for institutional agreement
- Authors not recording their articles in the repository
- Publisher names are not standardized within the repository
- Publish and read agreements: lump sum paid in advance for reading and publishing: how do we break down costs per article
- Transformative agreements and memberships: reporting is lagging behind

MONITORING – THE BROADER PERSPECTIVE

- **Monitoring of the DFG Funding Program**
 - **standardized reporting data set**
- **Open Access Monitor**
 - **data hub for publication analysis and cost analysis**

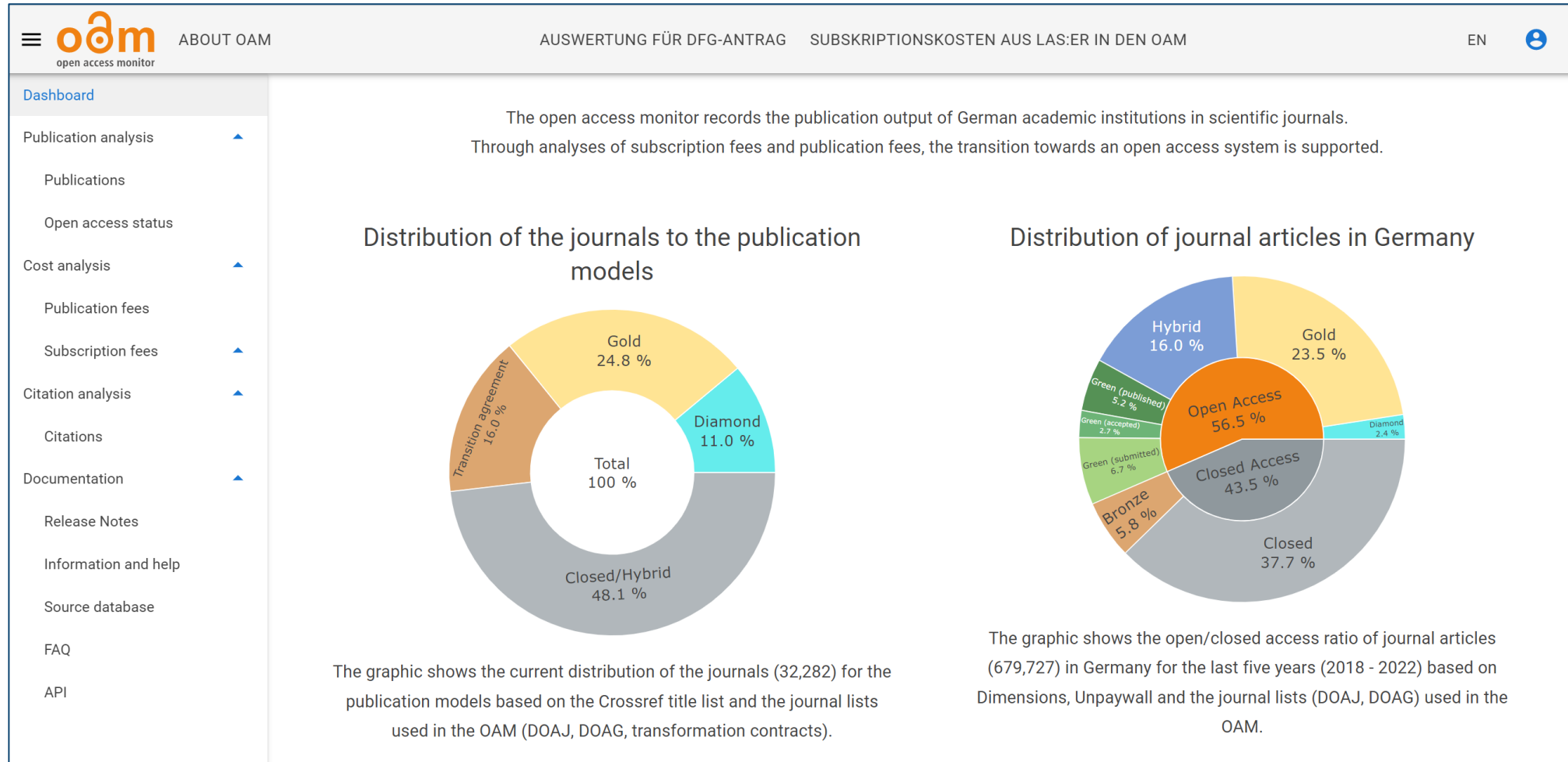
MONITORING – THE BROADER PERSPECTIVE

Monitoring of the DFG Funding Program: standardized reporting data set

DOI	
Name of Publisher, Server, Repository	
Publication Type	journal article; book; book part; conference proceedings; dataset; preprint; software; other
CC-License	CC BY; CC BY-SA; CC BY-ND; CC BY-NC; CC BY-NC-SA; CC BY-NC-ND; other; none
Currency	Example: EUR, USD, GBP, or other
Total amount in original currency	Set to 0.00 for articles from transformative agreements or from membership agreements. Use transformative agreements or membership tabs to record central payment.
Net amount (Euro)	Set to 0.00 for articles from transformative agreements or from membership agreements. Use transformative agreements or membership tabs to record central payment.
Tax value	
Total amount (Euro)	Set to 0.00 for articles from transformative agreements or from membership agreements. Use transformative agreements or membership tabs to record central payment.
Funding amount DFG	Set to 0.00 for articles from transformative agreements or from membership agreements. Use transformative agreements or membership tabs to record funding applied to central payment.
Other cost types (not eligible for funding) Reporting not mandatory, but encouraged	Colour charge; Cover charge; Hybrid OA-Fee (not transformative); Page Charge; Publication Charge; Reprint; Submission fee; Other
Membership	Name of membership agreement; use tab for memberships to record payments
Transformative agreement	Name of transformative agreement; use tab for transformative agreements to record payments none; ACM (hebis); AIP (TIB); BMJ (BSB); CUP (BSB); DeGruyter (SUB Göttingen); DeGruyter (ZBW); ECS (TIB); Hogrefe (SUB Göttingen); IOP (TIB); Karger (BSB); Nature (MPDL); RSC (TIB); Sage (BSB); SPIE (TIB); Springer (DEAL); Thieme 1 (ZB MED/FZJ); Thieme 2 (ZB MED/FZJ); Wiley (DEAL)
Funding year	Year in which funding was received from DFG Leave blank for articles from transformative agreements or from membership agreements
Invoicing year	Year in which publisher's invoice was paid Leave blank for articles from transformative agreements or from membership agreements
Grant Number DFG-Project	Not mandatory at this stage
Subject area DFG	Social Sciences and Humanities; Life Sciences; Science; Engineering; Multidisciplinary

MONITORING - THE BROADER PERSPECTIVE

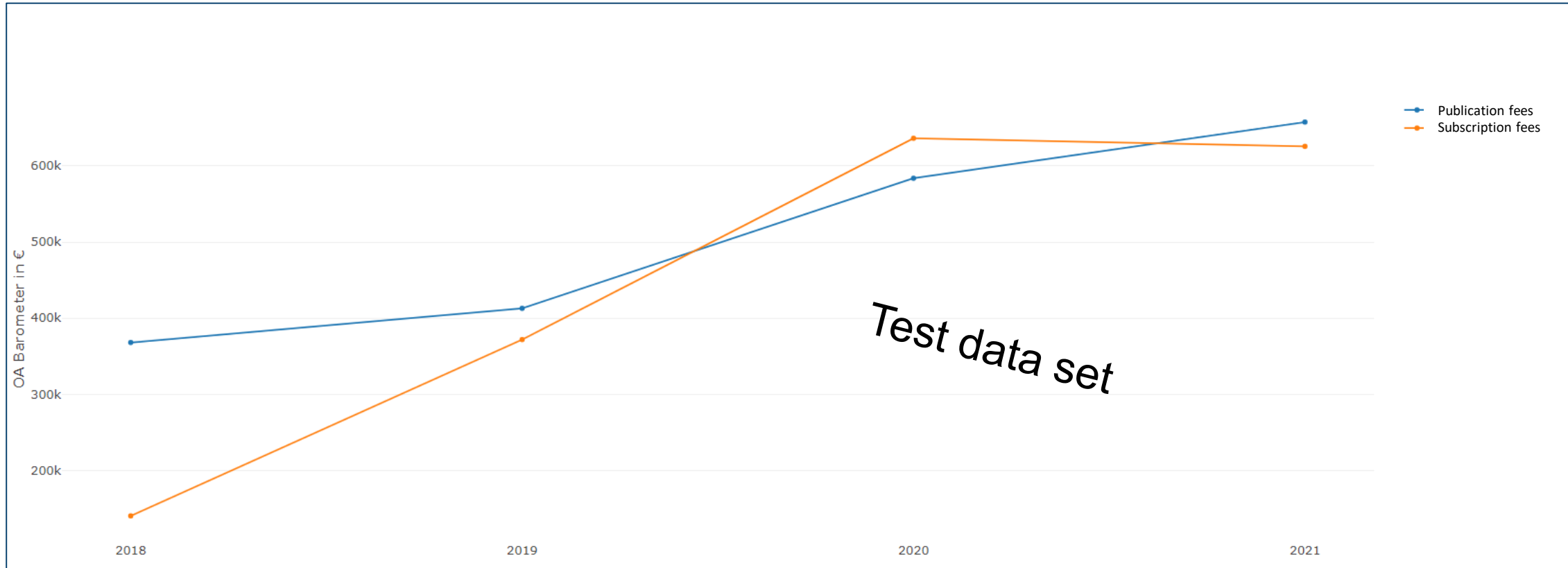
Open Access Monitor - data hub for publication analysis and cost analysis



<https://open-access-monitor.de/>

MONITORING - THE BROADER PERSPECTIVE

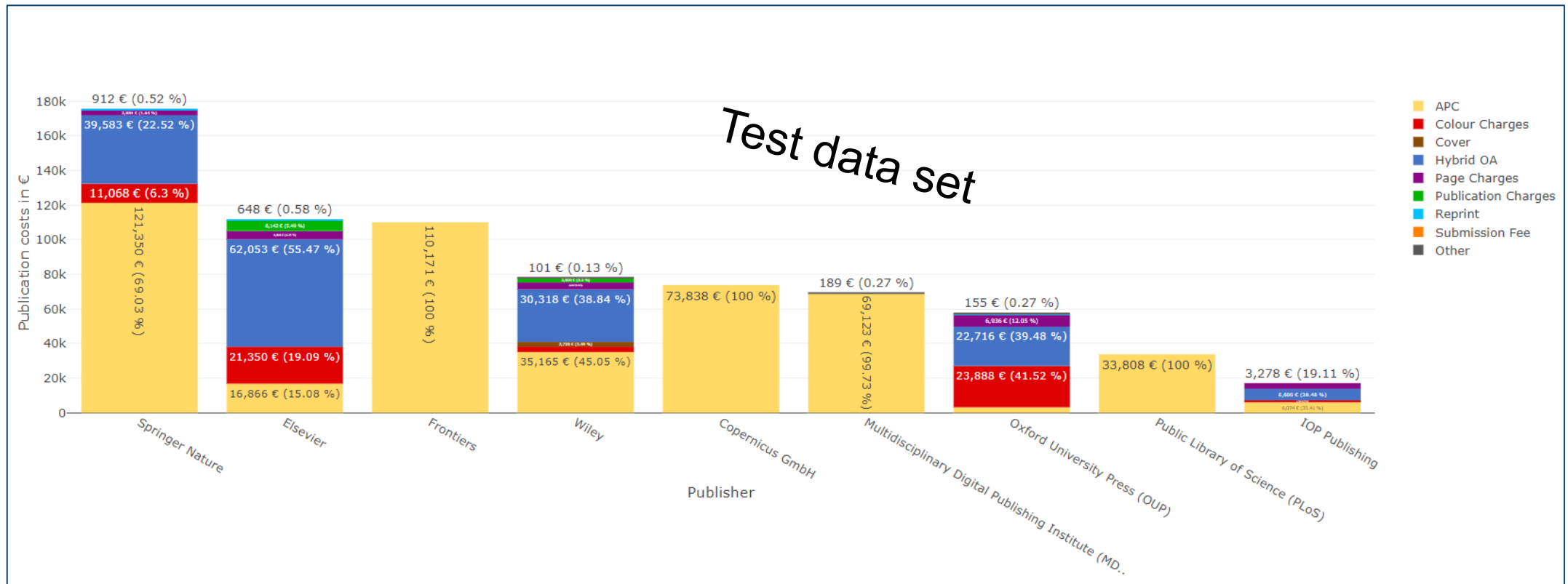
Open Access Monitor - data hub for publication analysis and cost analysis



<https://open-access-monitor.de/>

MONITORING - THE BROADER PERSPECTIVE

Open Access Monitor - data hub for publication analysis and cost analysis



<https://open-access-monitor.de/>

MONITORING – THE BROADER PERSPECTIVE

- **OpenCost (running project)**
 - **Infrastructures for automated, standardized delivery and open provision of publication costs and publishing agreements**
- **Transform2Open (project proposal currently under review)**
 - **development of budgets, criteria, competencies, and related processes concerning the financial dimension of the Open Access transformation at academic institutions**

CONCLUSION

- **Centralization and consolidation**
- **Ongoing, up-to-date overview of all costs related to publications and licenses**
- **Making previously hidden costs visible**
- **Secure basis of data for negotiations with publishers**
- **Greatest possible transparency**
- **Budget control and budget planning → Information budget***

*German Science Council (Wissenschaftsrat):

Recommendations for the Transformation of Scientific Publishing to Open Access (in German language)

<https://doi.org/10.57674/fyrc-vb61>

SOURCES

- FZJ Open Access Barometer: https://go.fzj.de/oa_barometer_en
 - Open Access Monitor Germany: <https://open-access-monitor.de>
 - Monitoring of the DFG „Open Access Publication Funding“ Program: https://go.fzj.de/DFG_OAPK_en
 - Project OpenCost: <https://www.opencost.de/projekt/>
-
- Barbers, Irene; Kalinna, Nadja; Mittermaier, Bernhard (2018): Data-Driven Transition. Joint Reporting of Subscription Expenditure and Publication Costs. In: *Publications* 6 (2), S. 19.
<https://doi.org/10.3390/publications6020019>
 - Barbers, Irene; Stanzel, Franziska; Mittermaier, Bernhard (2022): Open Access Monitor Germany: Best Practice in Providing Metrics for Analysis and Decision-Making. In: *Serials Review*, S. 1–14.
<https://doi.org/10.1080/00987913.2022.2066968>