

# How much is the fish?

openCost for cost transparency and sustainable and FAIR scientific publishing

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## Overview



- > openCost
- > Background
- > PIDs, Format and Interface
- > Open Data
- > Your Input

# What and Who is openCost?

## openCost

automated, standardised delivery and open provision of publication costs and publishing agreements

- > Funded by DFG (457354095) 12/2021 — 11/2024
- > Project partners
  - Bielefeld University Library (Repository, open@PC)
  - Regensburg University Library (Repository, EZB)
  - Deutsches Elektronen-Synchrotron, DESY (Repository, JOIN<sup>2</sup>)
- > <https://opencost.de/en>



# Who is JOIN<sup>2</sup>?

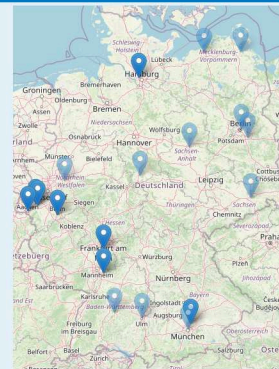


Validated Deutsches Elektronen-Synchrotron, DESY ≈ 2300 + 3000

## JOIN<sup>2</sup> is quite big...

7+1 very different institutions, staff > 23.000, > 6000 “visiting scientists”

(≥ 609.000 records, ≥ 98.000 OpenAccess, ≥ 147.000 authorities)



Joint Institute for Neutron Physics, Mainz ≈ 9500  
 Maier-Leibnitz Zentrum ≈ 3 + n  
 RWTH Aachen ≈ 9500  
 Museum Zitadelle Jülich ≈ 3 + n



# Background

## OpenAccess & OpenScience

### Transforming Scientific Publishing to Open Access

- > FP7 → Horizon2020 → HorizonEurope
- > DFG Funding → **Open-Access-Publikationskosten**
- > Helmholtz Open Science Policy (100% OpenAccess...)
- > **“Informationsbudget”** (German Science and Humanities Council (2022) [10.57674/fyrc-vb6])

### Currently focussing on Gold-OpenAccess

might become Diamond...



# Goal: Cost Transparency

- > **Total Cost of Publishing** (Open, Closed, Additional, Voluntary...)
- > **Broad view on Publishing** (Papers, Data, Software, ... ⇒ read: research output)
- > **Automatic Data Exchange**
  - within an institution
  - between institutions
  - inter- national
- > **Simplify Workflows** (e. g. new services in EZB)

## > Metadataformat for Cost-bearing Entities

(standardized, international, embeddable & stand-alone)

## > Easy, open data provisioning

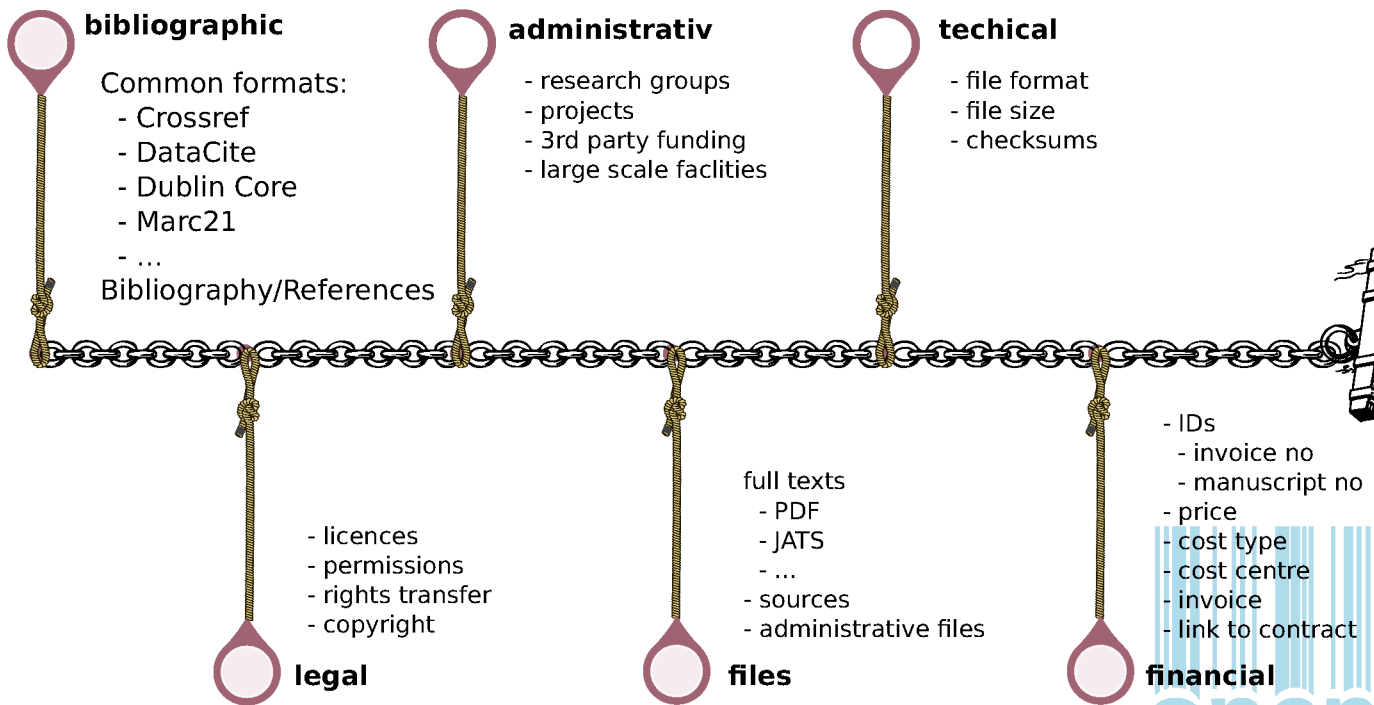
(harvestable by anyone)

openCost

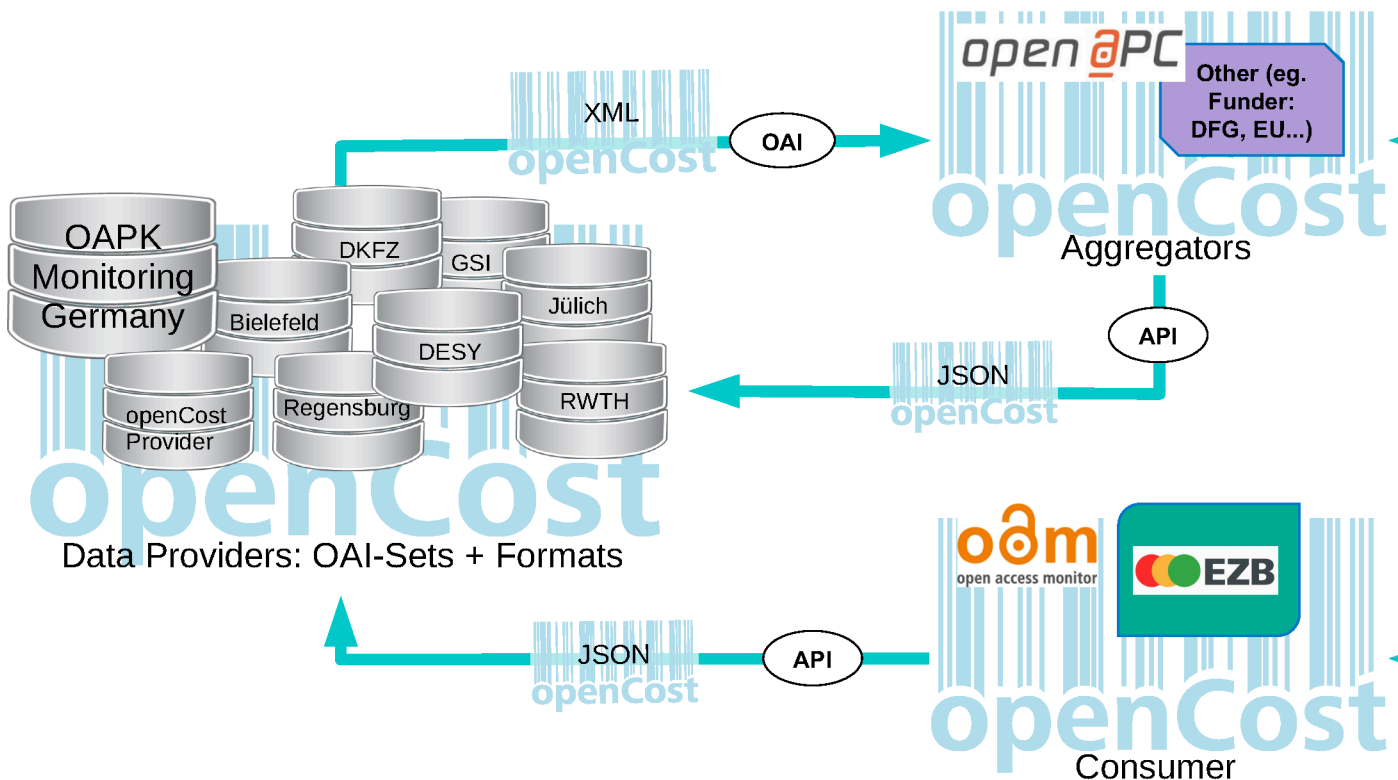


# Its the PID, stupid!

## Example: Article in a Repository



# Open Data Flow



# Open Data with openCost

## PUBDB

DESY Publications Database

Home > Publications database > Quantification of gas-accessible microporosity in metal-organic framework glasses

Information Files Holdings
PUBDB-2022-07769

### Quantification of gas-accessible microporosity in metal-organic framework glasses

Frentzel-Beyme, L. ; Kolodzeiski, P. ; Weiss, J.-B. ; Schneemann, A. ; Henke, S. (Corresponding author)

2022  
Nature Publishing Group UK [London]

Nature Communications 13(1), 7750 (2022) [10.1038/s41467-022-35372-5]

This record in other databases: [PubMed](#) [WEB OF SCIENCE](#) [Altmetric](#) 14 [Citations](#) 39

Please use a persistent id in citations: doi:10.1038/s41467-022-35372-5 doi:10.3204/PUBDB-2022-07769

**Abstract:** Metal-organic framework (MOF) glasses are a new class of glass materials with immense potential for applications ranging from gas separation to optics and solid electrolytes. Due to the inherent difficulty to determine the atomistic structure of amorphous glasses, the intrinsic structural porosity of MOF glasses is only poorly understood. Here, we investigate the porous features (pore size distribution and pore connectivity) of a

Contributing Institute(s):

- DOOR-User (DOOR ; HAS-User)

Research Program(s):

- 6G3 - PETRA III (DESY) (POF4-6G3) (POF4-6G3)

Publication costs of 5579.37€ funded by Technische Universität Dortmund (Source: OpenAPC)

Experiment(s):

- PETRA Beamline P02.1 (PETRA III)

Open Access  
Server  
(openCost extension  
for open@PC)  
> DOI-based  
> JavaScript  
(35 almost generic  
lines)

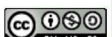


# Spread the Word...

Most valuable...  
...if data is current!

OpenAIRE manages weekly updates for E

via  
**OAI-PMH**



# Inform Users

**EZB** Electronic Journals Library  
DESY-Libraries Hamburg/Zeuthen

Journal Search:   [Advanced Search](#)

Journal Search: 1 hits  
Refine search:  Nature Communications

Open Access:  DOAJ

Online Availability: Fulltext freely available  
 To the fulltexts: Vol. 1, Iss. 1 (2010) - ...

Secondary publication of your own articles from this journal in Open Access  
Publisher / Provider: Nature Publishing Group  
Sherpa Romeo: Find the publisher's Open Access policy in Sherpa Romeo

Funding options for publication costs by your own institution  
Person to Contact: Publishing at DESY, L.publishing@desy.de  
Funding: Journal articles in open access journals are funded via open access publication budgets and managed centrally by the library if the corresponding author is affiliated with the Deutsches Elektronen-Synchrotron DESY. Any additional costs incurred, such as page/cover/colour/publication charges, as well as so-called hybrid publication costs (for open access availability in a journal that is not freely accessible) are passed on to the group's own cost centres. Listing in the DOAJ is a positive quality feature and helps to clearly identify the open access status of a journal. Articles in this journal are eligible for funding under the DFG programme "Open Access Publication Costs" and can be subsidised with up to €700.

## Information about Publishing from DOAJ

The Directory of Open Access Journals (DOAJ) is a directory for open-access journals with quality assurance procedures. Journals listed in DOAJ are automatically identified in EZB.

Instructions for authors:	<a href="#">Link to the publisher</a>
Accepted languages:	English
APCs:	Yes
APC amount:	5090 GBP; 6790 USD; 5690 EUR (last updated 01-30-2024, further information provided by the publisher)
Journal license:	CC BY
Review process:	Peer review, further information provided by the publisher
Plagiarism screening policy:	Publisher's plagiarism screening policy
Publishing process:	28 Weeks

## Cost Information from OpenAPC

Institutions report the publication costs (APC) paid for this journal to OpenAPC (last updated 03-09-2024). Note: The average costs may change as a result of subsequent reporting.

Year	2021	2022	2023	2024
Average APC per article worldwide	4,156 EUR (505 record(s))	5,177 EUR (601 record(s))	5,600 EUR (262 record(s))	5,660 EUR (15 record(s))
Average APC per article in your institution	4,123 EUR (4 record(s))	4,756 EUR (3 record(s))	4,853 EUR (4 record(s))	- (no records)

## Journal details

Title:	Nature Communications
Publisher / Provider:	Nature Publishing Group
Language(s):	English
Fulltext online since:	Vol. 1, Iss. 1 (2010)
Homepage(s):	<a href="https://www.nature.com/hcomms/">https://www.nature.com/hcomms/</a>
Latest articles:	Newsfeed <sup>®</sup>



# New Cost-bearing Entities

## Direct association

(like articles)

- > Books & Proceedings
- > Contributions to Books & Proceedings
- > Data
- > Software
- > ...

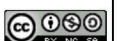
## Indirect association

(like contracts)

- > Data
- > Diamond Open Access
- > Software
- > ...

**Your input!**

Cost types, documentation, glossaries, missing pieces, use cases, vocabularies, ...



# Thank you!

See you in Regensburg!




## ***The Road to Publication Cost Transparency - The Next Stage***

**October 7<sup>th</sup> – 9<sup>th</sup>, Regensburg (Germany)**

### **Contact**

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Synchrotron DESY

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