The Jülich Open Access Barometer
A precursor for the Open Access Monitor Germany

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Agenda

- Jülich Open Access Barometer
  - Open Access Strategy of FZ Jülich 3
  - Concept 6
  - Results 10

- Open Access Monitor
  - Goals 14
  - Concept 16
  - Preview 17
Open Access Strategy of FZ Jülich: Gold OA

• The publication of the scientific findings of Forschungszentrum Jülich in gold open access journals is explicitly encouraged. Forschungszentrum Jülich’s objective is to ensure that the number of open access publications is 10% higher than the global average.

• Publication fees for gold open access journals are paid in full from the library managed publication fund when the corresponding author is from Forschungszentrum Jülich.

Resolution of the Board of Directors from 24 November 2015
Open Access Strategy of FZ Jülich: Green OA

- Library completes – as far as possible – the data sets in JuSER by adding the publishers’ versions of publications.
- The heads of the organizational units should send the “Final Draft Post Referee” version of publications to the library. The library clarifies secondary-use copyright issues and uploads the publications to Forschungszentrum Jülich’s repository accordingly.
- The library and the Corporate Development department monitor the development of any obligations concerning open access that may be required by funding bodies, research funders, or the Helmholtz Association (PoF).

Helmholtz: 6 months, 60 % compliance in 2019, 100 % in 2023
Horizon 2020: 6 months for all peer-reviewed works
OA Strategy of FZ Jülich: Subscriptions

• Through the **active collection management** of subscription journals, the library will ensure that the increasing financial requirements of the publication fund are covered by procurement resources that become available due to subscription cancellations.

• **Publication charges** for subscription journals, including hybrid open access fees, will **no longer be paid** for out of the publication fund (cut-off date for submitted publications: 1 January 2016).
Goal of Open Access Barometer

- The library documents its course of action through the Open Access Barometer:
  - Some key figures are available to the general public on the Internet site.
  - Additional comments on the cost structure and the transformation status of the individual publishers are available exclusively on the intranet.
- Scientists at Forschungszentrum Jülich may find this information useful for their own publication strategies.
Issues to be resolved

- What data are important?
- How should these data be compiled?
- How can we comply with confidentiality clauses?
The concept

- Input data: All payments
  - Gold Open Access APCs
  - Subscription fees
  - Other publication fees (page charges, colour charges, cover charges, …)

- Output data:
  - Usage (COUNTER)
  - Number of corresponding author publications

- Avoid absolute numbers, instead displaying fractions or ratios
Combining financial data

<table>
<thead>
<tr>
<th>ERM</th>
<th>Repository</th>
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<tr>
<td>Subscription fees</td>
<td>All publication fees</td>
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<td>Journal level</td>
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<td>Authority records of publishers’ names</td>
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<td>ZDB-ID</td>
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<td>Expenditure on journal level</td>
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<td>Expenditure on publisher level</td>
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Irene Barbers, Nadja Kalinna, and Bernhard Mittermaier: Data-Driven Transition: Joint Reporting of Subscription Expenditure and Publication Costs. *Publications 2018*, 6(2), 19; [https://doi.org/10.3390/publications6020019](https://doi.org/10.3390/publications6020019)
Total expenditure in 2016 and 2017: Proportion of types of cost

- **Subscription fees**: 82% in 2016, 76% in 2017
- **Publication fees without Gold Open Access APCs**: 10% in 2016, 12% in 2017
- **Gold Open Access APCs**: 8% in 2016, 12% in 2017

Sources:
- [http://intranet.fz-juelich.de/zb/EN/Expertise/open_access/oa_barometer/oa_barometer_node.html](http://intranet.fz-juelich.de/zb/EN/Expertise/open_access/oa_barometer/oa_barometer_node.html)
- [http://www.fz-juelich.de/zb/EN/Expertise/open_access/oa_barometer/oa_barometer_node.html](http://www.fz-juelich.de/zb/EN/Expertise/open_access/oa_barometer/oa_barometer_node.html)
Proportion of types of costs in the total expenditure per publishing house 2017

- **Elsevier**: 92% Subscription fees, 7% Publication fees without Gold Open Access APCs, 1% Gold Open Access APCs
- **SpringerNature**: 58% Subscription fees, 8% Publication fees without Gold Open Access APCs, 34% Gold Open Access APCs
- **Wiley**: 78% Subscription fees, 20% Publication fees without Gold Open Access APCs, 1% Gold Open Access APCs
- **Institute of Physics**: 74% Subscription fees, 19% Publication fees without Gold Open Access APCs, 8% Gold Open Access APCs
- **American Chemical Society**: 92% Subscription fees, 8% Gold Open Access APCs
- **American Institute of Physics**: 73% Subscription fees, 23% Publication fees without Gold Open Access APCs, 4% Gold Open Access APCs
- **American Physical Society**: 72% Subscription fees, 28% Publication fees without Gold Open Access APCs
- **Royal Society of Chemistry**: 78% Subscription fees, 20% Publication fees without Gold Open Access APCs, 2% Gold Open Access APCs
- **Frontiers**: 100% Subscription fees
- **Copernicus**: 100% Subscription fees
- **MDPI**: 100% Subscription fees
- **Oxford University Press**: 62% Subscription fees, 23% Publication fees without Gold Open Access APCs, 15% Gold Open Access APCs
Shares of the 12 most important publishing houses in number of publications and in total expenditure 2017

- Elsevier
- SpringerNature
- Wiley
- Institute of Physics
- American Chemical Society
- American Institute of Physics
- American Physical Society
- Royal Society of Chemistry
- Frontiers
- Copernicus
- MDPI
- Oxford University Press
- other

Member of the Helmholtz Association
The current state of Open Access compliance

- Potential Gold and Green OA
- Potential Helmholtz Policy
- Actual Open Access Rate
- Goals Helmholtz
- Gold OA

Member of the Helmholtz Association
Stakeholder-specific goals of the Open Access Monitor Germany

**National and regional authorities** gain a detailed overview of the situation in their area of responsibility.

**Funders** may prioritize and evaluate their programs.

**Institutions** may identify scientific areas where they can increase their efforts.

**Libraries** may negotiate fact-based agreements for the transition to Open Access and switch funds from subscription budgets to publication funds.

**Authors** may optimize their respective publication behaviour.

**Information scientists** get research data for studies on scholarly publishing.
The Open Access Monitor Germany
Subskriptionsausgaben je Bundesland in Deutschland

- Baden-Württemberg
- Bayern
- Berlin
- Brandenburg
- Bremen
- Hamburg
- Hessen
- Mecklenburg-Vorpommern
- Niedersachsen
- Nordrhein-Westfalen
- Rheinland-Pfalz
- Saarland
- Sachsen-Anhalt
The Open Access Monitor Germany

Einrichtungen in Deutschland

Universität Bielefeld
(Bielefeld)
Publikationen 6,513
Closed Access 56%
Open Access 42%
unbekannt 1%
APC-Kosten 594,984€
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