No time like the present!
TIB’s Support for Mathematics’ Publishing Demands: Open Access, Affordable, Community-Owned

Stefan Schmeja
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Open Access: Status quo in Germany

Journal articles of authors from German institutions
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https://open-access-monitor.de
Open Access: Problems with publication-based funding

1. Dominant business model is publication-based, i.e. APCs (paid directly or via transformative agreements)

2. What have we achieved?
   - Open Access mainly for those who can afford it

3. What have we not achieved (yet)?
   - Reducing costs
   - Reducing dependency on commercial publishers
   - Control of publishing venues by the scientific community
• German **central library** for technology and architecture, chemistry, computer science, mathematics and physics

• **University library** of Leibniz Universität Hannover

• founded in 1959
• since 1990: member of Leibniz Association
• since 2016: independent foundation of the state of Lower Saxony

• committed to Open Access
• support for researchers in Hannover and nationwide
Open Access Support by TIB

1. **Publishing funds** for Leibniz Universität Hannover and Leibniz-Gemeinschaft

2. Funding of **arXiv** for German universities (arXiv-DH)

3. Supporting flipped or newly founded journals (e.g. *Algebraic Combinatorics* via LYRASIS OACIP)

4. **Renate**: repository for science and technology

5. **TIB Open Publishing**: platform for conference proceedings and journals

6. **TIB AV Portal**: platform for scientific videos

7. **B!SON**: recommender system for Open Access journals

8. **KOALA**: consortial funding of Open Access journals

9. Information on Open Access, e.g. [open-access.network](http://open-access.network)
Criteria for TIB’s publishing platforms and OA activities

1. no costs for readers and authors
2. governed by the scientific community
3. operating on a not-for-profit basis
4. transparent on costs and governance
5. in accordance with data protection and privacy legislation (e.g. no user tracking)
6. compatible with Open Access requirement of funders
7. all content is digitally preserved
1. Preprint server for physics, mathematics, computer science
2. founded in 1991
3. currently > 2.1 million documents, ~180,000 uploads per year
4. costs: ~ 2 Mio. $/year, covered especially through membership fees from institutions
5. arXiv-DH: consortium of German universities, led and funded by TIB, one of the largest supporters of arXiv
arXiv: Uploads per year

https://arxiv.org/help/stats/2021_by_area
Renate: Repository for Science and Technology

- disciplinary repository for science and technology
- Original publications (e.g. conference proceedings, reports, working papers) and self-archived versions
- open for authors from all institutions, in particular for institutes of Leibniz Association (sections D/E)
- online since 2019
- DOIs assigned to all publications
- Indexed in search engines and library catalogues

https://oa.tib.eu/renate/
Non-commercial offer for editors and conference organizers
  - New publications, transfers, flipping
  - *Open Conference Proceedings* for single proceedings volumes

Mandatory publishing best practices (inline with Plan S, DOAJ seal, etc.)
  - CC BY license and author copyright
  - Long-term archiving
  - Persistent identifiers: ISSNs (online), DOIs (Crossref), ORCID, ROR
  - Editorial policies/website content
  - Transparent information regarding financing and quality assurance

Use of OJS as free editorial support software
What do we offer?

- Technical setup of proceedings/journals
- Support/training for editors
- Semi-automatic production of the contributions (template-based)
- Support for indexing and dissemination (Google Scholar etc.)
- Use of plagiarism check software (Similarity Check)
- Automation and standardization
- Individual offers based on standardized pricing scheme

https://www.tib-op.org/
BISON – Bibliometric and Semantic Open Access Recommender Network

- Development of a recommender system for open access journals
  - Recommendations for suitable, quality-assured open access journals for a manuscript to be published
  - Machine-learning based determination of similarity of title/abstract ↔ corpus of article metadata (DOAJ) and cited literature ↔ corpus of citation data (OpenCitations)

- Open source, free of charge, publisher-independent, no collection of usage data
- Funded by German Federal Ministry of Research and Education (BMBF)
- Partners: TIB (Hanover), SLUB (Dresden)
- 17 supporting institutions

- Beta version online since spring 2022, final version due spring 2023
- Project info: https://projects.tib.eu/bison/en/
- Contact: bison@tib.eu
KOALA: consortial Open Access funding

Aim:

- enable collective and fair Open Access funding without costs for authors (APCs)

Concrete goals:

- establish consortia (libraries, but also companies, museums etc.) for funding Open Access journals and series
- offer advice for the transformation to consortial Open Access models

- BMBF funded project, Partners: TIB and University of Konstanz
- Currently pledging phase for first two bundles of journals
- bundle of mathematics journals planned for 2024

https://projects.tib.eu/koala
open-access.network

- BMBF funded project, 6 project partners
- Information and networking platform on Open Access
  - website (German and English)
  - explanatory videos and other materials
  - monthly webinars („Open Access Talk“)
  - Workshops, barcamps, conferences
  - Helpdesk

- https://open-access.network
MORE INFORMATION:
https://tib.eu/openaccess

contact
Dr. Stefan Schmeja
T 0511 762-4209
stefan.schmeja@tib.eu

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