

HELMHOLTZ

Open Science

Helmholtz Open Science Briefing

Helmholtz Open Science Forum “Scholar-Led Publish- ing at Helmholtz”

Report

HELMHOLTZ

Open Science

Imprint

The online version of this publication can be found at:

<https://doi.org/10.48440/os.helmholtz.064>

Authors

Lea Maria Ferguson, Marcel Meistring, Roland Bertelmann, Xenia van Edig, Jonas Elm, Heike Lexis, Stefan Milius, Serge Bauin, Florian Schwennsen, Bjørn-Jostein Singstad, Regine Tobias, Victoria Tsoukala

Published by

Helmholtz Open Science Office

Editors

Lea Maria Ferguson, Marcel Meistring, Roland Bertelmann

Contact

Helmholtz-Gemeinschaft
Helmholtz Open Science Office
c/o Helmholtz-Zentrum Potsdam
Deutsches GeoForschungsZentrum GFZ
Telegrafenberg, 14473 Potsdam
E-Mail: open-science@helmholtz.de

Status

16.05.2023. Version: 1.0

License

All texts in this publication, with the exception of quotations, are licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) Licenseset. See: <https://creativecommons.org/licenses/by/4.0>.



HELMHOLTZ

Open Science

Contents

Introduction	2
Scholar-Led Publishing at Helmholtz: First Steps toward Determining a Position.....	4
“Aerosol Research” - A Diamond Open Access Journal.....	4
“Physical Review Accelerators and Beams” - Diamond Open Access Journal.....	5
“Nordic Machine Intelligence” - The Diamond Open Access journal - a community approach	5
“Logical Methods in Computer Science” - The Overlay Concept as an Operating Model for Diamond Open Access Journals	6
“CNRS support for scholar-led journals (Episciences and PCI)	6
“TIB Open Publishing” - An Open Access platform for publishing scholarly journals and conference publications	7
Self-Publishing at Helmholtz: Publishing services at KIT and Forschungszentrum Jülich’s Publishing House	8
“Open Research Europe” as a collective non-profit publishing service	9
Outlook.....	10
Appendix.....	11

Abstract

On April 13, 2023, the Helmholtz Open Science Office, together with the joint Task Group “Open Access Transformation” of the Working Groups Open Science and Library and Information Management organized a Helmholtz Open Science Forum on Scholar-Led Publishing at Helmholtz. Around 100 people registered for participation. The high level of interest in this event indicates its relevance in the ongoing Open Access-Transformation.

Diamond Open Access and scholar-led publishing are current buzzwords in this context; focusing on the stronger localization of scientific publishing opportunities in the scientific environment beyond profit-oriented platforms.

The first draft of a position statement on scholar-led publishing at Helmholtz, which was developed together with the Task Group Open Access Transformation, was presented at the forum and participants were invited to discuss and comment on it.

Presentations and discussions provided insights into various operating models and workflows of external Diamond Open Access journals, service providers and publication services already active in the natural sciences, as well as those operated by Helmholtz Centers. In addition, the EU Commission's perspectives on the further development of the Open Research Europe publication platform were presented.

HELMHOLTZ

Open Science

Introduction

On April 13, 2023 the Helmholtz Open Science Forum "Scholar-Led Publishing at Helmholtz" took place in virtual format. The forum was a starting point to initiate a broader discussion of the topic of scholar-led publishing at the Helmholtz Association.

The forum was framed by the first draft of the discussion paper "Scholar-Led Publishing at Helmholtz - First Steps toward Determining a Position", developed in cooperation between the Helmholtz Open Science Office and the Task Group Open Access Transformation, consisting of members of the Helmholtz Working Group Open Science and the Helmholtz Working Group Library and Information Management.

This draft reacts to ever-increasing costs for scientific publications for pure access as well as for open access publication fees (Article Processing Charges; Book Processing Charges). This implies a growing loss of sovereignty of science over its publication means and therefore communication channels, and relates to the area of the reputation of publication organs in the context of the assessment of science.

The forum made an important initial contribution to creating awareness of potential threats for science by misdirected developments of scientific publishing and raised first options for further action.

The discussion confirmed again the impetus that drove the Helmholtz Open Science Office to signing the Action Plan for Diamond Open Access in 2022, following the recommendation of the respective Helmholtz Working Groups. The Forum and the discussion paper are a start for a discussion to investigate how Helmholtz could relocate the process of scientific publishing back into the scientific environment, guided by science itself and not by profit-oriented economic interests. Thus, it was underlined that scholar-led publishing emphasizes the role of scientists themselves in controlling and distributing scientific results, and that Diamond Open Access models can be a promising vehicle here.

Stimulated by the differently focused contributions a lively exchange among the approximately 75 participants arose with insightful findings that illustrated the need for discussion. The international line-up of speakers (see Table 1) from various disciplines of the natural sciences provided insights into the working methods and operating models of scholar-led open access journals. Journals and open access publishing infrastructures already operated to a large extent by Helmholtz Centers were also presented. The forum concluded with a look at the European level and the perspective of the EU Commission with regard to the further development of the publication platform "Open Research Europe".

In the discussion of the contributions, it became clear that the three potential stakeholders for a reform should cooperate closely and share their needs and possible solutions: 1) The scientific communities themselves are the central groups in this regard. 2) Further, libraries that traditionally play a key role in financing scientific publications as well as providing support in the publication process and 3) service providers for the operation and management of publication platforms (based on scientific infrastructures like libraries or even private companies) are the other important stakeholders.

Valuable suggestions, comments and impulses were exchanged, which will be incorporated into the further development of the discussion paper "Scholar-Led Publishing at Helmholtz".

The virtual event was thus a first step towards raising more awareness on this topic at Helmholtz. This report documents the event; the slides of the contributions can be found in the appendix of this report (from p. 11).

HELMHOLTZ

Open Science

Table 1: Program of the Helmholtz Open Science Forum: Scholar-Led Publishing at Helmholtz, April 13, 2023

Agenda Item	Speaker	Affiliation
Introduction to Scholar-Led Publishing and presentation of "Scholar-Led Publishing at Helmholtz: First Steps toward Determining a Position"	Lea Maria Ferguson and Marcel Meistring	Helmholtz Open Science Office
"Aerosol Research" - A Diamond Open Access Journal	Jonas Elm	Aarhus Universitet
"Physical Review Accelerators and Beams" - Diamond Open Access Journal	Florian Schwennsen	Deutsches Elektronen-Synchrotron (DESY)
"Nordic Machine Intelligence" - The Diamond Open Access journal - a community approach	Bjørn-Jostein Singstad	Research Engineer at the Hospital in Vestfold
"Logical Methods in Computer Science" - The Overlay Concept as an Operating Model for Diamond Open Access Journals	Stefan Milius	Friedrich-Alexander-Universität Erlangen-Nürnberg
"CNRS support for scholar-led journals (Episciences and PCI)	Serge Bauin	Centre national de la recherche scientifique - Direction des Données Ouvertes de la Recherche (CNRS-DDOR)
"TIB Open Publishing" - An Open Access platform for publishing scholarly journals and conference publications	Xenia van Edig	Technische Informationsbibliothek (TIB)
Self-Publishing at Helmholtz: Publishing services at KIT and Forschungszentrum Jülich's Publishing House	Regine Tobias and Heike Lexis	Karlsruhe Institute of Technology (KIT) and Forschungszentrum Jülich (FZJ)
Open Research Europe as a collective non-profit publishing service	Victoria Tsoukala	Directorate General Research & Innovation, European Commission
Joint closing discussion Next steps for Helmholtz	Roland Bertelmann	Helmholtz Open Science Office

Scholar-Led Publishing at Helmholtz: First Steps toward Determining a Position¹

After a short welcome and introductory words by Roland Bertelmann, Lea Maria Ferguson and Marcel Meistring from the Helmholtz Open Science Office presented initial ideas on the topic of Scholar-Led Publishing for the Helmholtz-Association.

In their talk, they first outlined the term of Scholar-led publishing, with science itself in the driver's seat and with the goal of retaining control over the outputs of research. Second, scholar-led publishing was characterized as a means of holding significant impact on improving the accessibility of scientific research, as well as the reputation and influence of academic institutions and researchers. In the following, the focus was placed on the draft paper "Scholar-Led Publishing at Helmholtz - First Steps toward Determining a Position" that was created together with the Task Group Open Access Transformation (TG OA Transformation) and its genesis. Referring also to the Action Plan for Diamond Open Access - signed by Helmholtz Open Science Office in 2022 following a recommendation of the TG OA Transformation - the starting points in Helmholtz, as outlined in the draft, were presented. Since these new developments are also associated with new challenges for the Association, these were briefly addressed. Issues that have been identified in the joint preparation of the draft include the reputation system, the limits of processing charges and the sovereignty of science over the publishing landscape. Following this, options for action that have been formulated in the draft paper were presented in connection with a set of questions in regards to sustainability of open access publication infrastructures. Building such infrastructures also includes the necessity of sustainable financing; additionally, further elements concerning organizational, legal, and technical aspects need to be considered. Finally, several very interesting case studies of publishing services and scholar-led journal approaches from the natural sciences with strong connections to Helmholtz were presented and discussed.

"Aerosol Research" - A Diamond Open Access Journal

Jonas Elm, assistant professor at Aarhus Universitet, Denmark and newly appointed executive editor for the diamond open access journal "Aerosol Research", was the first to take the stage.

He gave the audience some very interesting insights into the subject of aerosol research itself but also into the genesis and workflows of this still young journal dedicated to this specific subject. Aerosol research is a highly multi-disciplinary field comprising scientists all the way from chemistry, physics, geoscience to meteorology. A fundamental understanding of aerosols is at the core of these diverse fields and aerosol scientists have found themselves in a prominent position in discourse around issues such as disease transmission during the recent COVID pandemic and in the ongoing climate emergency. In the past, literature on aerosol research has been scattered among different subject specific journals or published in journals that do not meet the Open Science requirements of many of the funders. The European Aerosol Assembly (EAA) working groups each year aid in organizing the European Aerosol conference, which covers all topics related to aerosol research. Based on the EAA working group topics a diamond open access journal called "Aerosol Research"² has been launched, which covers the entire breadth of aerosol science and technology. The journal is hosted by Copernicus publications and in addition to diamond open access it also offers increased transparency in the form of an interactive public peer review. This is a community driven effort and will, for the first time, connect scientists across different aspects of aerosol research in a single shared journal. "Aerosol Research"

¹ The slides of all presentations are attached to this document.

² <https://www.aerosol-research.net/> [Last accessed on: 12.05.2023].

HELMHOLTZ

Open Science

has a dedicated team of highly specialized editors in place and believes that "Aerosol Research" will transform into a highly esteemed journal within aerosol science in the years to come.

"Physical Review Accelerators and Beams" - Diamond Open Access Journal

Florian Schwennsen from Deutsches Elektronen-Synchrotron (DESY) followed up. There he is part of the Team that runs the particle physics community literature database "INSPIRE" and he is also one of the contacts for Open Access at DESY and a member of the SCOAP3 Governing Council.

In his talk he reported on a diamond open access journal, that has left its founding phase long ago and since has a long standing record with much of experience gained. The journal Physical Review Accelerators and Beams (PRAB)³ was already founded in 1998 by the American Physical Society and is hence one of the first open access journals at all. DESY was one of the first sponsors of this journal from outside of the United States. It was also an e-only journal from the very beginning. At that time a peer reviewed journal dedicated to accelerator science was lacking such that the American Physical Society (APS) initiated this new journal. Article Processing Charges (APC) were identified as a barrier to the authors already in those early days, and so sponsoring laboratories were found to cover the costs together with the APS. In 2002 the European Physical Society (EPS) joined the responsibility for the journal, as well as European and other international laboratories joined as sponsors. Physical Review Accelerators and Beams has been steadily growing and today is the leading journal for international accelerator science. Articles are published under CC-BY license with no costs to authors or readers. Voluntary sponsoring of publicly funded institutions and industry cover most of the costs balanced by the APS. It publishes around 200 articles per year.

"Nordic Machine Intelligence" - The Diamond Open Access journal - a community approach

The next to take the stage was Bjørn-Jostein Singstad who is a Research Engineer at the Hospital in Vestfold and PhD at Akershus University hospital in Norway. Alongside his work, he is also the manager and co-founder of a scientific journal in Artificial Intelligence, that he presented at the Forum.

"Nordic Machine Intelligence" (NMI)⁴ is a scientific journal which he started in his last year as a master's student in November 2020, in collaboration with the University of Oslo and the Norwegian Artificial Intelligence Research Consortium (NORA). Their first step was to ensure that the journal was visible among Norwegian AI researchers, therefore they took contact with the most prominent AI researchers in Norway and invited them to the editorial board of NMI. Nevertheless, this was not enough to get submissions. In Norway, there is a system for academic points in place that forms the basis for the allocation of funds to the institutions from the government. Journals are divided into levels (0 to 2), and their journal started at 0 points, and thus there was no incentive for researchers to publish their work in NMI. It requires approximately 15 publications over a one-year period to move up to level 1 (where most international journals are). Therefore, in order to get submissions, NMI decided to organize an AI-

³ <https://journals.aps.org/prab/> [Last accessed on: 12.05.2023].

⁴ <https://journals.uio.no/NMI> [Last accessed on: 12.05.2023].

HELMHOLTZ

Open Science

challenge, where the participants had to write a scientific paper describing the team's contribution. To gain attraction, £5,000 were promised to the winners. When the challenge was finished in November 2021, NMI received 16 papers and approximately half a year later it got to level 1.

Since then, NMI has continued to organize AI-challenges, but also publish proceeding papers from AI conferences in the Nordics, as well as publishing standard papers. NMI is seeing a growing interest since it got to level 1.

The next milestone will be November 2023. Then it will be 2 years since the first paper was published and this opens the possibility of being indexed in databases such as Scopus, Web of Science, etc., which will be very important to attract even more authors to publish in the journal.

“Logical Methods in Computer Science” - The Overlay Concept as an Operating Model for Diamond Open Access Journals

After three inspiring and interesting talks on diamond open access journals in the more classical sense at three different stages of development, the audience was introduced to the perhaps not so well known concept of overlay-journals. Stefan Milius, Professor for theoretical computer science at Friedrich-Alexander-Universität Erlangen-Nürnberg presented the journal “Logical Methods in Computer Science” where he was involved since its establishment in 2004 in various roles.

Logical Methods in Computer Science⁵ is a fully refereed, open access, free, electronic journal. It welcomes papers on theoretical and practical areas in computer science involving logical methods, taken in a broad sense. Since its foundation in 2004 the journal has developed into a leading venue for papers in the field, as witnessed e.g. by many published special issues of competitive conferences. Currently, the journal publishes around 110 articles per year. The journal is run as an overlay of arXiv.org, a well-known open document archive which currently hosts more than 2 million scholarly articles in the natural sciences, mathematics, computer science, and engineering. For the peer review process the journal relies on the French Episciences platform. The presentation first introduced the journal as well as its organization and who are the people running it. After that the focus was on the overlay concept, in particular the special issues, which are one of the main success factors of the journal. Finally, more details on the history of the journal and other factors which have led to its success were presented.

“CNRS support for scholar-led journals (Episciences and PCI)

How Institutions and Research Organizations can promote scholarly driven approaches to Open Access publishing was highlighted in the following talk presented by Serge Bauin, who is a Research Engineer at the Centre national de la recherche scientifique - Direction des Données Ouvertes de la recherche (CNRS-DDOR, the open science office in a way) and member of the steering committee of Episciences.⁶

⁵ <https://lmcs.episciences.org/> [Last accessed on: 12.05.2023].

⁶ <https://www.episciences.org> [Last accessed on: 12.05.2023].

HELMHOLTZ

Open Science

It was shown, that CNRS supports many initiatives in open science. Among those are Episciences, which has been addressed in the preceding contribution by Stefan Milius, and "Peer Community In" (PCI).⁷ The talk addressed five core questions, that arose within this frame. (1) What is PCI? PCI was introduced: PCI is a free for all overlay service on preprints (deposited in open archives) offering peer review and publishing recommendations together with the reviews. The version of record remains on its initial archive, but can also be submitted to a classical journal or be "published" in Peer Community Journal.

Following up on this, the other questions were addressed. (2) What does "Publishing" mean exactly? (3) What does "support" mean exactly? (4) How is CNRS able to do that, or in other words: where does the money come from? And lastly, (5) What for is it exactly used?

Both initiatives presented in the talk are truly "academic-led", in the sense that the two initial ideas, operation and governance are in the hands of "academic communities". Here it is worth noting, that the aforementioned responsibilities are shared by several communities and not just a single one. Policy issues have also been addressed. In answering Question (3) about the exact meaning of "support" it was given insight, that CNRS supports Episciences as a part of a permanent infrastructure, whereas it funds PCI for projects. The answer for Question (4) is simple: The money comes from the savings made by discontinuing the subscription with Springer. In the end of the talk, light was also shed on the question of the evaluation of research in the context of Coalition for Advancing Research Assessment (CoARA) and how CNRS is dealing with those developments.

"TIB Open Publishing" - An Open Access platform for publishing scholarly journals and conference publications

The next block of the Forum turned towards providing infrastructures and services to enable scholar-led publishing. The start was made by Xenia van Edig from the TIB - Leibniz Information Centre for Science and Technology who presented the Service TIB Open Publishing⁸.

With TIB Open Publishing⁸, the TIB operates an Open Access platform for scholarly journals and conference publications operating without article processing charges (APCs). It is one pillar of TIB's efforts to facilitate the transformation towards open access. The service is available to all institutions/editors and all disciplines, although the focus is on TIB's central subjects: natural sciences and technology. The service aims at editors of academic journals and conference publications who want a library-supported but at the same time professional, sustainable, and fully Open Access publication option. Thereby, the active scientists acting as editors for the individual publications are responsible for all content-related issues of the publications and the quality assurance of the published articles (scholar-led approach). On the part of the platform, however, we ensure that formal quality standards are met by the publications. Our quality standards are based on the technical implementation guidelines of Plan S, but also on the DOAJ Seal, the OASPA membership criteria, and the COPE guidelines. They comprise aspects as CC BY licensing, long-term archiving, various persistent identifiers, and certain editorial policies (e.g. concerning competing interests or transparency regarding financing and academic quality insurance). Another important aspect of our operation are standardized technical workflows. The service makes use of the free and open software Open Journal Systems (OJS) and contributes to the further development of this software. TIB Open Publishing sets up the publications, assists the editors regarding OJS and dissemination (indexing), and facilitates the workflow from submission to publications. The talk presented the services and workflows as well as examples of current publication.

⁷ <https://peercommunityin.org/> [Last accessed on: 12.05.2023].

⁸ <https://www.tib-op.org/ojs/> [Last accessed on: 12.05.2023].

HELMHOLTZ

Open Science

Self-Publishing at Helmholtz: Publishing services at KIT and Forschungszentrum Jülich's Publishing House

This contribution on a more generalist service-providing approach was followed by a joint contribution from two Helmholtz Centers, which each operate publishing venues with long-experience to help their staff and students getting published. Regine Tobias, head of the Karlsruhe Institute of Technology (KIT) Library's Publication and Media Services Department and Heike Lexis, staff member of the department "Scientific Services (ZB-W), Team Division Publications (ZB-OP) at Forschungszentrum Jülich (FZJ) presented their In-house publishing services.

The presentation from KIT explained the two pillars of the KIT Library's institutional publication services and how these two pillars complement each other for different purposes. The first pillar is the basic service of the KITopen repository⁹, whilst the second pillar is formed by the internationally networked, science-owned specialist publisher for quality-checked books from the KIT, KIT Scientific Publishing¹⁰, that the library has been operating for 19 years now. Insights were given on the service portfolio provided to KIT-staff as well as on workflows and advisory services.

The publishing house of Forschungszentrum Jülich (FZJ) is located at the Central Library¹¹. For more than 60 years, the scientific results of FZJ scientists have been published there. The publishing house is a pure open access publishing venue, the works are published according to the Creative Commons under the CC-BY-4.0 license. The authors are accompanied through the entire publication process. The scientific works are published in the so-called "Schriftenreihen" and "Jül-Berichten". The series of publications are given an individual design, which is precisely adapted to the prescribed corporate design in cooperation with the printing house of the research center and the graphic services. The interconnected publication databases are also discussed.

The optimal networking of the used databases ensures good visibility of the publishing products. In addition, reference is made to the published Diamond Open Access Journals: "Journal of Large-Scale Research Facilities" (JLSRF)¹² and "Collective Dynamics"¹³. The JLSRF contains articles with descriptions of large-scale research equipment, while Collective Dynamics' primary focus is on research in pedestrian dynamics and crowd traffic. The used platform is an Open Journal System (OJS) operated in collaboration with Freie Universität Berlin.

⁹ <https://www.bibliothek.kit.edu/english/kitopen.php> [Last accessed on: 12.05.2023].

¹⁰ <https://www.ksp.kit.edu/site/en-about/> [Last accessed on: 12.05.2023].

¹¹ <https://www.fz-juelich.de/en/zb/expertise/publishing-house> [Last accessed on: 12.05.2023].

¹² <https://jlsrf.org/index.php/lrf> [Last accessed on: 12.05.2023].

¹³ <https://collective-dynamics.eu/index.php/cod> [Last accessed on: 12.05.2023].

HELMHOLTZ

Open Science

“Open Research Europe” as a collective non-profit publishing service

The closing bracket of the contributions was formed by a talk that was providing the audience a European perspective on scholar-led publishing, that was given by [Victoria Tsoukala from the Directorate General Research & Innovation of the European Commission](#).

The talk presented Open Research Europe (ORE)¹⁴, the European Commission’s open access publishing platform, the policies behind it and its publishing model, as well as the plans to turn it into a collective non-profit publishing service in collaboration with national funders. ORE is an optional service for Horizon 2020/Europe beneficiaries at no cost to them. It launched in March 2021 and has about 350 publications. It is supported through public procurement by F1000 Research Ltd.

The platform follows an innovative open access publishing model for articles, which is based on open peer-review after publication (the so-called post-publication peer-review). It supports various types of articles beyond the traditional research article, such as data notes, software tools, etc. ORE has robust scientific policies and publishing guidelines that authors must follow, and is supported by an international scientific advisory board.

The Commission’s vision is that as of 2026 ORE will be transformed into a non-profit service collectively supported by the Commission and Member States/funders – and which will be based on an open source infrastructure, to be funded by the Commission in 2023. The Commission and numerous national funders are working to shape the vision and the principles for an equitable, non-profit and collectively funded and governed ORE as of 2026, its business model and the practical steps needed to get us there. A scoping report is being drafted in collaboration with the funders in view of pushing the agenda forward and creating consensus. Preparatory activities for the 2026 transition are expected to take place between 2024 and 2026 with interested funders, and possibly also institutions, committing to support ORE.

¹⁴ <https://open-research-europe.ec.europa.eu/> [Last accessed on: 12.05.2023].

HELMHOLTZ

Open Science

Outlook

The forum presented plentiful evidence that the increasingly problematic issues with regard to funding as well as the sovereignty of scholarly publishing pose major challenges for science, also affecting the existing mechanisms of evaluating science and reputation systems. Simultaneously, interesting initiatives and developments challenging and effectively countering these challenges were presented - these case studies and best practice examples can function as inspiration for further steps towards reforming research assessment and also considering openness and transparency in this process.

The great interest in the event also shows that the forum "Scholar-Led Publishing at Helmholtz", organized by the Helmholtz Open Science Office in cooperation with the Task Group Open Access Transformation - and in connection with the first draft of a position paper on the issue - has provided initial impetus and a nudge towards thinking about reforming the mechanisms of scientific publishing within the Helmholtz Association and beyond.

In the next step, the feedback received during the Forum will be incorporated into a second draft of the position paper by the Helmholtz Open Science Office and the Task Group Open Access Transformation. Furthermore, all stakeholder groups involved in the reform process - i.e., scientific communities, scientific infrastructure units (such as libraries) and other service providers - will be invited to participate in this process. The medium-term goal will be to develop a coordinated and robust position paper for the Helmholtz-Association

HELMHOLTZ

Open Science

Appendix

Presentation slides

- Introduction to Scholar-Led Publishing and presentation of “Scholar-Led Publishing at Helmholtz: First Steps toward Determining a Position” - Lea Maria Ferguson and Marcel Meistring, Helmholtz Open Science Office
- “Aerosol Research” - Diamond Open Access Journal - Jonas Elm, Aarhus Universitet
- “Physical Review Accelerators and Beams” - Diamond Open Access Journal - Florian Schwennsen, Deutsches Elektronen-Synchrotron (DESY)
- “Nordic Machine Intelligence” - The Diamond Open Access journal - a community approach - Bjørn-Jostein Singstad, Research Engineer at the Hospital in Vestfold
- “Logical Methods in Computer Science” - The overlay concept as an operating model for Diamond Open Access journals - Stefan Milius, Friedrich-Alexander-Universität Erlangen-Nürnberg
- “CNRS support for scholar-led journals (Episciences and PCI) - Serge Bauin, Centre national de la recherche scientifique - Direction des Données Ouvertes de la Recherche (CNRS-DDOR)
- “TIB Open Publishing” - An Open Access platform for publishing scholarly journals and conference publications - Xenia van Edig, Technische Informationsbibliothek (TIB)
- Self-Publishing at Helmholtz:
 - a) Publishing services at KIT - Regine Tobias, Karlsruhe Institute of Technology (KIT)
 - b) Forschungszentrum Jülich’s Publishing House - Heike Lexis, Forschungszentrum Jülich (FZJ)
- Open Research Europe as a collective non-profit publishing service - Victoria Tsoukala, Directorate General Research & Innovation, European Commission

Introduction to Scholar-Led Publishing

Presentation of "Scholar-led Publishing at Helmholtz:
First Steps toward Determining a Position"

Lea Maria Ferguson and Marcel Meistring

What is this thing called “Scholar-Led”?

openaccess transformation

publication platforms

sovereignty of science

biodiversity

scholar-led publishing

diamond open access

operating models

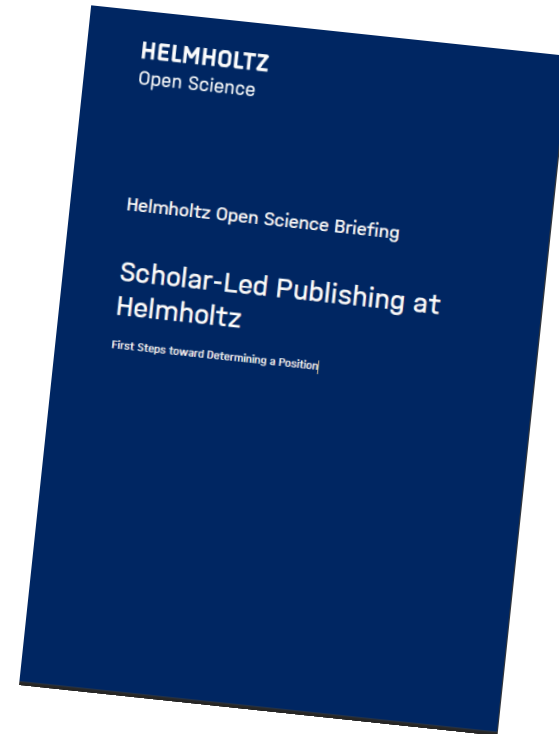
non-profit publishing

scientific publications

Scholar-Led Publishing at Helmholtz

Draft of Briefing Paper

- Supporting the Action Plan for Diamond Open Access
- Starting points at Helmholtz
- Obstacles and Options for Action
 - Reputation System
 - Limits of Processing Charges
 - Sovereignty of Science over the Publishing Landscape
- Draft Determination of Position on Scholar-Led Open Access Publishing Infrastructures for Helmholtz
- Examples of Models in the Natural Sciences
- Further Steps



Scholar-Led Publishing at Helmholtz

Action Plan for Diamond Open Access

- **Supporting the Action Plan for Diamond Open Access**
- Starting points at Helmholtz
- Obstacles and Options for Action
 - Reputation system
 - Limits of Processing Charges
 - Sovereignty of Science over the Publishing Landscape
- Draft Determination of Position on Scholar-Led Open Access Publishing Infrastructures for Helmholtz
- Examples of Models in the Natural Sciences
- Further Steps

1. Efficiency

2. Quality standards

3. Capacity building

4. Sustainability



Ancion, Zoë, Borrell-Damián, Lidia, Mounier, Pierre, Rooryck, Johan, & Saenen, Bregt. (2022). Action Plan for Diamond Open Access. Zenodo. <https://doi.org/10.5281/zenodo.6282403>

Scholar-Led Publishing at Helmholtz

Initiatives and Starting points at Helmholtz

- Supporting the Action Plan for Diamond Open Access
- **Starting points at Helmholtz**
- Obstacles and Options for Action
 - Reputation system
 - Limits of Processing Charges
 - Sovereignty of Science over the Publishing Landscape
- Draft Determination of Position on Scholar-Led Open Access Publishing Infrastructures for Helmholtz
- Examples of Models in the Natural Sciences
- Further Steps



Scholar-Led Publishing at Helmholtz

Options for Action

- Supporting the Action Plan for Diamond Open Access
- Starting points at Helmholtz
- **Obstacles and Options for Action**
 - Reputation system
 - Limits of Processing Charges
 - Sovereignty of Science over the Publishing Landscape
- Draft Determination of Position on Scholar-Led Open Access Publishing Infrastructures for Helmholtz
- Examples of Models in the Natural Sciences
- Further Steps

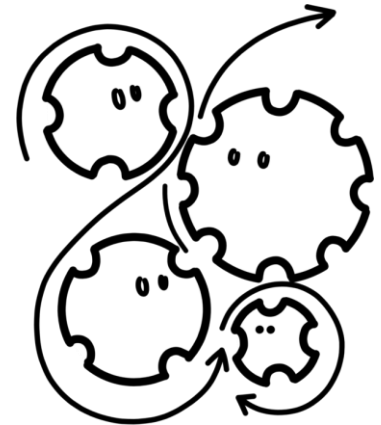


DORA

open @PC



CoARA



Scholar-Led Publishing at Helmholtz

Sustainability of Open Access Publishing Infrastructures

- Supporting the Action Plan for Diamond Open Access
- Starting points at Helmholtz
- Obstacles and Options for Action
 - Reputation system
 - Limits of Processing Charges
 - Sovereignty of Science over the Publishing Landscape
- **Draft Determination of Position on Scholar-Led Open Access Publishing Infrastructures for Helmholtz**
- Examples of Models in the Natural Sciences
- Further Steps

HELMHOLTZ

Priority of sustainability of Open Access publication infrastructures:

- A. in the **organizational** sense
- B. in the **legal** sense
- C. in the **technical** sense
- D. in the **financial** sense

Scholar-Led Publishing at Helmholtz

Examples of Models in the Natural Sciences

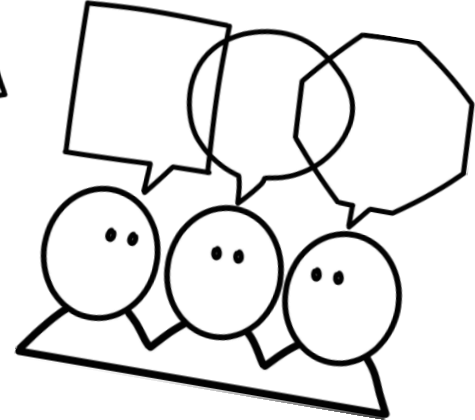
- Supporting the Action Plan for Diamond Open Access
- Starting points at Helmholtz
- Obstacles and Options for Action
 - Reputation system
 - Limits of Processing Charges
 - Sovereignty of Science over the Publishing Landscape
- Draft Determination of Position on Scholar-Led Open Access Publishing Infrastructures for Helmholtz
- **Examples of Models in the Natural Sciences**
- Further Steps



Scholar-led Publishing at Helmholtz

Further Steps

- Supporting the Action Plan for Diamond Open Access
- Starting points at Helmholtz
- Obstacles and Options for Action
 - Reputation system
 - Limits of Processing Charges
 - Sovereignty of Science over the Publishing Landscape
- Draft Determination of Position on Scholar-Led Open Access Publishing Infrastructures for Helmholtz
- Examples of Models in the Natural Sciences
- **Further Steps**



[By Julian Kücklich @playability, licensed under Creative Commons Zero](#)

Helmholtz Open Science Fora and related events

May, 9, 2023

Helmholtz Open Science Forum
“Research Evaluation, Reputation
Systems, and Openness”
(in English)

A light blue banner with a dark blue header. The header contains the text 'ONLINE WORKSHOP' and 'KOSTENMONITORING WISSENSCHAFTLICHER PUBLIKATIONEN'. Below the header, it says '10. Mai 2023 | Kostenmonitoring: Problemfelder und Handlungsbedarfe'. On the left, there is a circular graphic with a paperclip and the text '9:00 – 11:30' and 'Registrierung jetzt offen'. At the bottom right, it says 'mehr Informationen unter: https://www.transform2open.de' and features the 'Transform2Open' logo.

May 10, 2023

Transform2Open Workshop:
Kostenmonitoring - Problemfelder und
Handlungsbedarfe
(in German)

HELMHOLTZ

Open Science

Let's keep in touch!

- Further information on today's event and documentation: <https://os.helmholtz.de/en/events/fora/scholar-led-publishing-in-helmholtz/>
- Email: open-science@helmholtz.de
- Twitter: [@helmholtz_os](https://twitter.com/helmholtz_os)
- Website: <https://os.helmholtz.de>
- Mailingliste for employees of Helmholtz: [Helmholtz Open Science Professionals](#)
- [Helmholtz Open Science Newsletter](#)
- [Mattermost Space for Open Science](#)

Many thanks for your attention!

Roland Bertelmann



roland.bertelmann@os.helmholtz.de



<https://orcid.org/0000-0002-5588-0290>



[@rbertelmann](https://twitter.com/rbertelmann)



[@rbert@scholar.social](https://mstdn.social/@rbert)

Marcel Meistring



marcel.meistring@os.helmholtz.de



<https://orcid.org/0000-0001-6347-9926>



[@marcelmson@troet.cafe](https://mstdn.cafe/@marcelmson)

Lea Maria Ferguson



leamaria.ferguson@os.helmholtz.de



<https://orcid.org/0000-0002-7060-3670>



[@LeamariaF](https://twitter.com/LeamariaF)



[@LeaMariaFer](https://mstdn.social/@LeaMariaFer)



All text in this presentation, excluding quotations,
are licensed under a Attribution 4.0 International License Agreement:

<https://creativecommons.org/licenses/by/4.0/deed.en>

Aerosol Research: **A Diamond Open Access Journal**

Jonas Elm

Assistant Professor
Department of Chemistry, Aarhus University, Denmark

Helmholtz Open Science Forum
"Scholar-Led Publishing"

April 13 2023

What are Aerosol Particles?

Definition:

An aerosol is a suspension of fine solid or liquid particles in the gas-phase.

What are Aerosol Particles?

Definition:

An aerosol is a suspension of fine solid or liquid particles in the gas-phase.

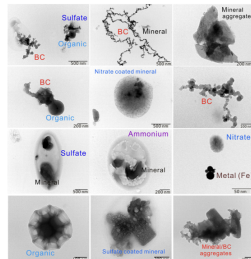


<https://en.wikipedia.org/>

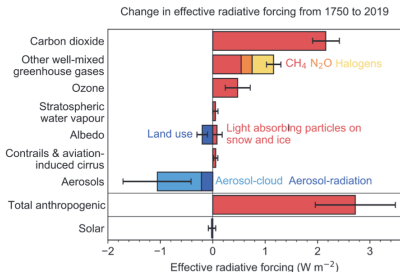
Sea spray

Smoke

Pollen



Dong et al., The Cryosphere, 2018, 12, 3877-3890.



Largest uncertainty in global climate estimation

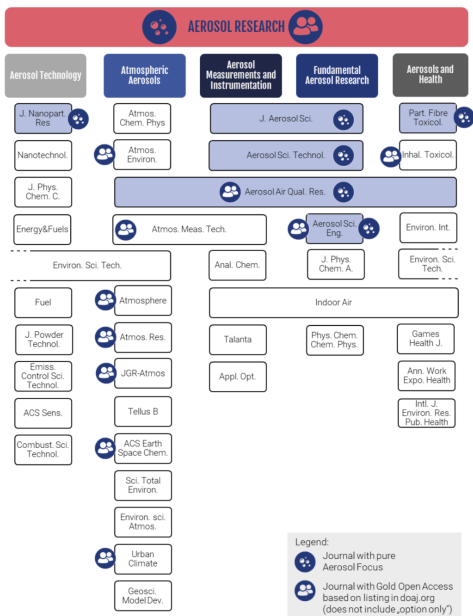
Sizes, shapes and compositions



By Bobak - Own work, CC BY-SA 2.5, <https://commons.wikimedia.org/w/index.php?curid=2190112>

Visibility and health

Publication Landscape



Journal Motivation

- Need for an open access journal that covers the full breadth of aerosol research.

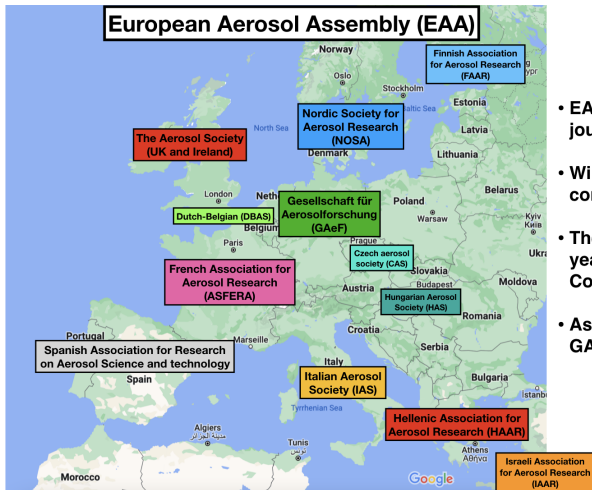
Journal Motivation

- Need for an open access journal that covers the full breadth of aerosol research.
- Support FAIR principles with respect to publishing, review, and potentially open data.

Journal Motivation

- Need for an open access journal that covers the full breadth of aerosol research.
- Support FAIR principles with respect to publishing, review, and potentially open data.
- Existing aerosol journals does not comply with these needs.

Community Driven



- EAA will take "ownership" of the journal.
- Will enhance visibility and community interactions.
- The journal will be promoted every year at the European Aerosol Conference (~1000 participants).
- As EAA is not a legal entity by law, GAeF acts as a contact point.

Phases



The ultimate goal is to:

- Establish a high-quality aerosol journal that covers the full breath of aerosol science and technology.
- It is paramount to be indexed (estimated timeframe 3-5 years)!

Planning Phase - Copernicus Publications

Copernicus publications:

- Immediate open access in a discussion forum (6 weeks).
- Gives a transparent review process.

The screenshot shows a Copernicus Preprint page. At the top, the word "Preprint" is displayed in a large, white font against a dark background. Below this, the breadcrumb "Preprints / Preprint ar-2023-1" and a search bar are visible. The main content area includes the DOI "https://doi.org/10.5194/ar-2023-1", the copyright notice "© Author(s) 2023. This work is distributed under the Creative Commons Attribution 4.0 License.", and a status message: "Status: this preprint is currently under review for the journal AR." The title of the preprint is "A New Working Fluid for Condensation Particle Counters for Use in Sensitive Working Environments" by Patrick Weber et al. The status is "open (until 12 May 2023)". A comment section is present with options to "Post a comment" and "Subscribe to comment alert". A comment from "RC1: 'Comment on ar-2023-1', Anonymous Referee #1, 04 Apr 2023" is shown. On the right side, there are sections for "Download" (Preprint 2060 KB, Metadata XML, BibTeX, EndNote), "Short summary" (Aerosol number concentration is fundamental for aerosol science...), and "Share" (with icons for various social media and sharing options).

Planning Phase - Editorial Board



Andreas Held

Hilikka Timonen

Aladar Czitrovsky

Startup Phase

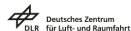
Initial Funders:



Czech Aerosol Society (CAS)



Forschungszentrum Jülich (FZJ)



German Aerospace Center (DLR)



Gesellschaft für Aerosolforschung e.V. (GAeF)



Italian Aerosol Society (IAS)



Saxon State and University Library Dresden (SLUB)



Spanish Association for Research on Aerosol Science and Technology (AECyTA)



Technical Information Library (TIB)

Startup Phase

Goal:

- Continuously increase the number of submissions until journal is successfully indexed.

Startup Phase

Goal:

- Continuously increase the number of submissions until journal is successfully indexed.

How to get there:

- Waive page charges in the starting phase (sponsored by EAA budget and funders).

Startup Phase

Goal:

- Continuously increase the number of submissions until journal is successfully indexed.

How to get there:

- Waive page charges in the starting phase (sponsored by EAA budget and funders).
- Motivate EAA members to submit to the journal even though it is not yet fully indexed.

Startup Phase

Goal:

- Continuously increase the number of submissions until journal is successfully indexed.

How to get there:

- Waive page charges in the starting phase (sponsored by EAA budget and funders).
- Motivate EAA members to submit to the journal even though it is not yet fully indexed.
- European Aerosol Conference 2023 will be an important marketing point.

Startup Phase

Goal:

- Continuously increase the number of submissions until journal is successfully indexed.

How to get there:

- Waive page charges in the starting phase (sponsored by EAA budget and funders).
- Motivate EAA members to submit to the journal even though it is not yet fully indexed.
- European Aerosol Conference 2023 will be an important marketing point.
- Allowing a transition to gold or ***diamond open access*** once indexed.

Startup Phase

Goal:

- Continuously increase the number of submissions until journal is successfully indexed.

How to get there:

- Waive page charges in the starting phase (sponsored by EAA budget and funders).
- Motivate EAA members to submit to the journal even though it is not yet fully indexed.
- European Aerosol Conference 2023 will be an important marketing point.
- Allowing a transition to gold or ***diamond open access*** once indexed.
- Raise additional funding from libraries, research institutions and other stakeholders.

Conclusions

We have:

- We have lunched the "Aerosol Research" journal.

Conclusions

We have:

- We have launched the "Aerosol Research" journal.
- The journal covers the full scope of aerosol science and technology.

Conclusions

We have:

- We have launched the "Aerosol Research" journal.
- The journal covers the full scope of aerosol science and technology.
- It is diamond open access.

Conclusions

We have:

- We have launched the "Aerosol Research" journal.
- The journal covers the full scope of aerosol science and technology.
- It is diamond open access.
- It has an interactive, transparent peer review process.

Conclusions

We have:

- We have launched the "Aerosol Research" journal.
- The journal covers the full scope of aerosol science and technology.
- It is diamond open access.
- It has an interactive, transparent peer review process.
- A community driven journal.

Acknowledgement

Thanks to:

- Sebastian Schmitt (Editorial manager)
- Benjamin Murray (Executive editor)
- Eirini Goudeli (Executive editor)

Acknowledgement

Thanks to:

- Sebastian Schmitt (Editorial manager)
- Benjamin Murray (Executive editor)
- Eirini Goudeli (Executive editor)

A special thanks to:



Professor Astrid Kiendler-Scharr
† 6 February 2023.

Acknowledgement

Thank you for your attention!



<https://www.aerosol-research.net/>

Physical Review Accelerators and Beams

Florian Schwennsen

Helmholtz Open Science Forum, 13.04.2023

HELMHOLTZ



How it started

1997

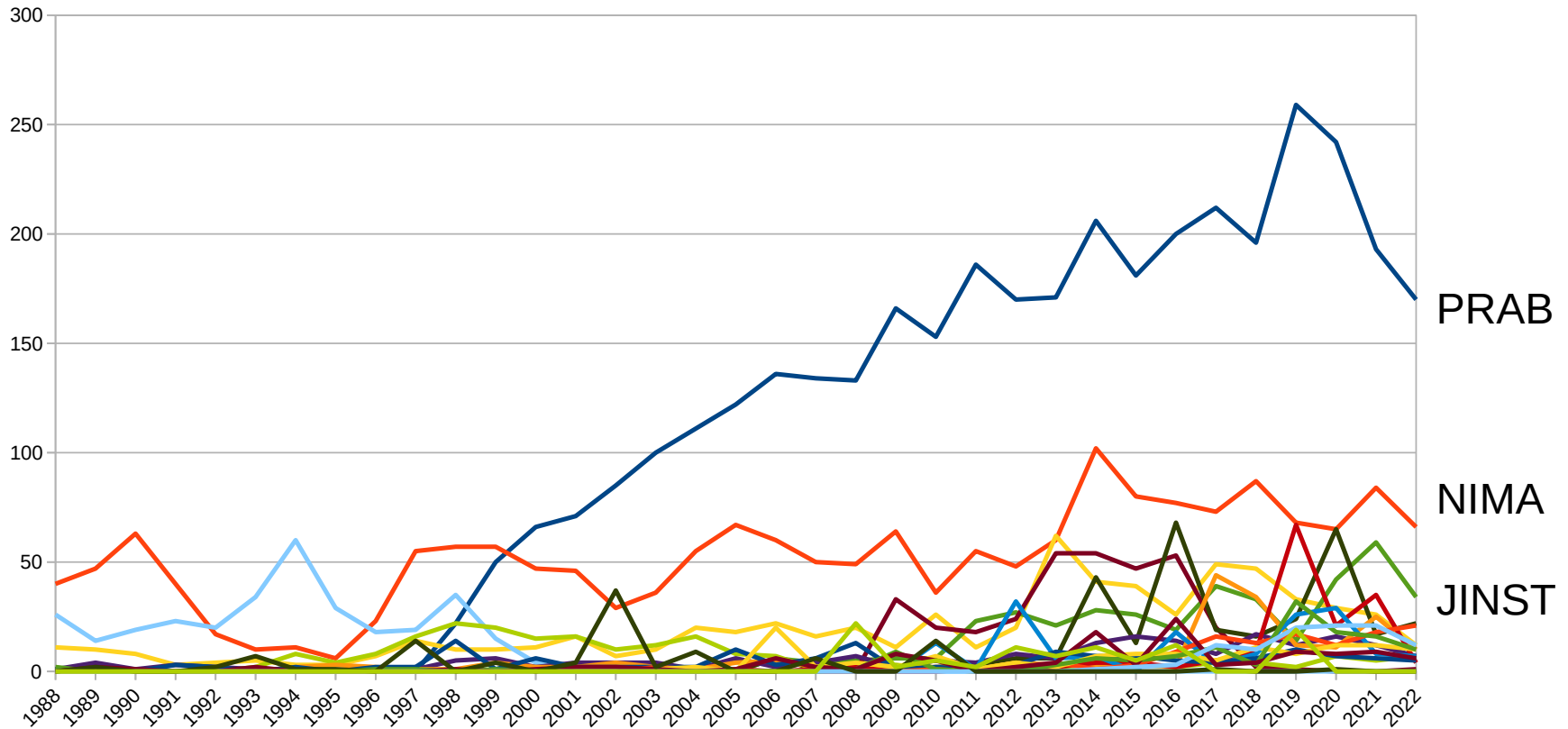
- Division of Physics of Beams (DPB) of the American Physical Society (APS) initiates study of peer review publications → there is no journal focused on accelerator science
- DPB recommended establishing peer reviewed journal that is
 - timely
 - inexpensive
 - international

1998

- APS starts *Physical Review Special Topics Accelerators and Beams* with 22 articles as electronic OA journal and 8 sponsoring US laboratories

Evolution of PRSTAB/PRAB

accel. articles in the 20 journals with the most accel. articles since 1988



Physical Review Special Topic – Accelerators and Beams (PRSTAB) (1998–2015)
Physical Review Accelerators and Beams (PRAB) (2016–)

Key features of PRAB today

- Electronic peer reviewed journal
- Focused on accelerator science and technology
- Published by APS
- International editorial board
- ~200 articles per year
- The APS DPB and European Physical Society Accelerators Group (since 2002) share responsibility for the health and vitality of the journal
- No costs for authors or readers
- 100% open access (CC-BY-4.0 at the moment)

Finances

- Institutional and industrial sponsors from Northern America, Europe and Asia cover ~3/4 of the costs
- APS covers shortfall
- Effective APC of the order of 1200\$

Industrial Sponsors



Institutional Sponsors



Thank you

Contact

Deutsches Elektronen-
Synchrotron DESY

www.desy.de

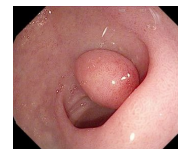
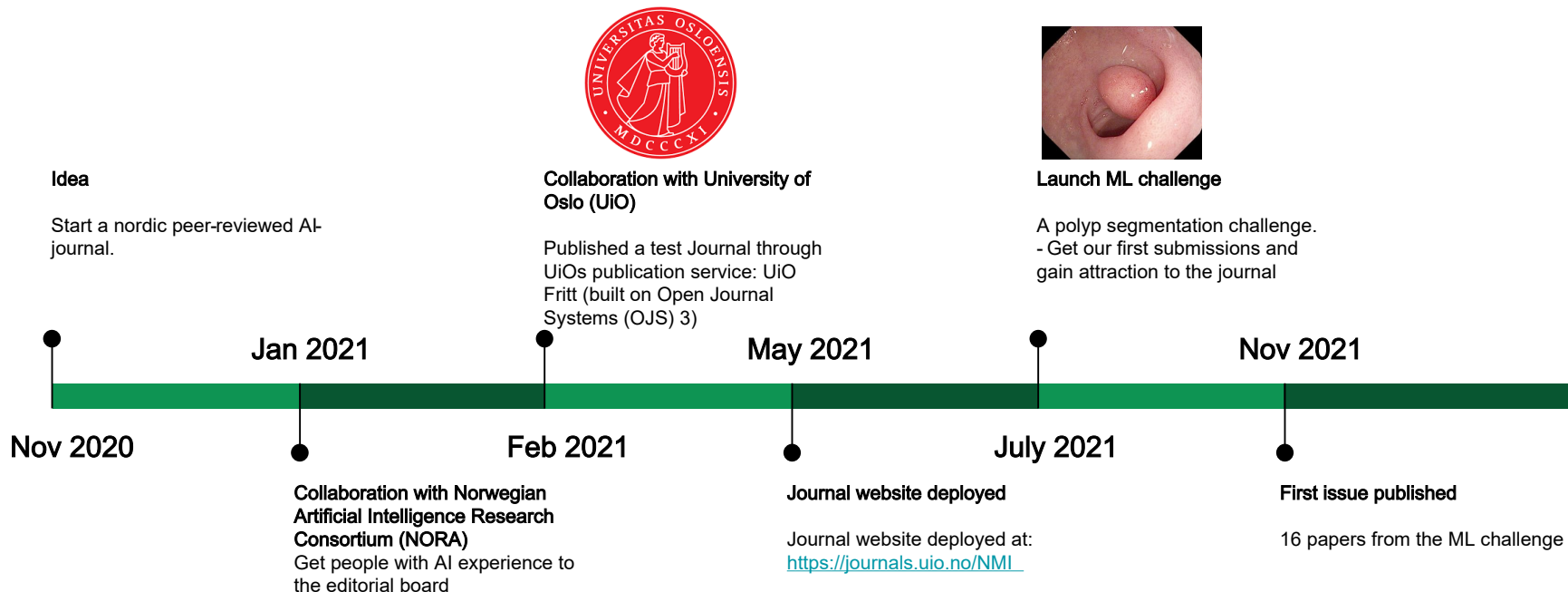
Florian Schwennsen
Florian.schwennsen@desy.de
+49 40 8998 6190



NORDIC MACHINE INTELLIGENCE

A story about a nordic AI journal

Timeline - first year



NORA

Norwegian Artificial Intelligence Research Consortium



Norwegian journal register

- Journal levels
 - Level 0
 - Level 1
 - Level 2
 - Level X (new)
- Higher level → more publication points
- Universities receives money based on publication points
- To be considered for level 1:
 - Published more than 15 papers
 - Existed for more than 1 year
- June 2022 - Nordic Machine Intelligence recognized as a level 1 journal



Current status

- Diamond open access journal
- 17 people in the editorial team
- 26 papers published (original papers, conference and ML challenge papers)
- Indexed in Google Scholar
- Planning our next conference - Green data lab
 - Proceedings and ML-challenge

Next milestone



- Two years after first publication (Nov 2023):
 - Apply for being indexed in Scopus, Web of science, etc.
 - Get an official impact factor

The Overlay Concept as an Operating Model for Diamond Open Access Journals

Logical Methods in Computer Science

Stefan Milius

Department für Informatik, Friedrich-Alexander-Universität Erlangen-Nürnberg

April 13, 2023

Brief Profile of the Journal

- ▶ **Diamond OA journal** in theoretical computer science (logic and semantics):
“Logical Methods in Computer Science is a fully refereed, open access, free, electronic journal. It welcomes papers on theoretical and practical areas in computer science involving logical methods, taken in a broad sense.”
- ▶ **Overlay** over <https://arxiv.org/>:
“arXiv is a free distribution service and an open-access archive for $\geq 2.000.000$ scholarly articles in the fields of physics, mathematics, computer science, quantitative biology, quantitative finance, statistics, electrical engineering and systems science, and economics.”
- ▶ **Online platform** (host): <https://www.episciences.org/>
provided by CCSD (CNRS, Inria, Inrae) free of charge
- ▶ **Published articles**: 100–120 p.a.
- ▶ **Special Issues** with selected articles of larger competitive conferences in the field
- ▶ Single-blind **peer review**; at least 2 independent expert referees per submission
- ▶ **Indexed** by: DBLP, DOAJ, Mathematical Reviews, Scopus, Web of Science, Zentralblatt Math

- ▶ **Governing Board**: 21 members; very well-known scientists from the community (10 named by steering committees of larger competitive conferences)
 - strategic decisions and journal policies
 - elects the Editor-in-Chief, the managing editors for special issues and members of the editorial board
- ▶ **Editor-in-Chief** (Stefan Milius), two **managing editors for special issues** (Brigitte Pientka, Fabio Zanasi), **two layout editors** (5 until March'22) (post docs; volunteers), **one paid student assistant** (helping with layouting)
- ▶ **Editorial Board**: currently 45 members; well-known experts from the field each covering 3-4 specific topics
 - submissions by authors are handled by one EB member
 - oversees the peer-review process and decides about acceptance
- ▶ **Publisher** (legally): non-profit association (“gemeinnütziger Verein”) *Logical Methods in Computer Science e.V.*
 - members = Governing Board
 - manages finances
- ▶ **Volumes** (yearly), **Issues** (quarterly) (in reality papers are published continuously)

Overlay Concept and Special Issues

- ▶ **Overlay** über <https://arxiv.org/>:
“arXiv is a free distribution service and an open-access archive for $\geq 2.000.000$ scholarly articles in the fields of physics, mathematics, computer science, quantitative biology, quantitative finance, statistics, electrical engineering and systems science, and economics.”
- ▶ authors first submit a [preprint on arXiv.org](#)
- ▶ after its publication only the [id number of the arXiv version is submitted to LMCS / Episciences](#)
- ▶ **Goal:** higher Quality of submissions
- ▶ **analogously** for:
 - [revised](#) versions (after first/second peer review round),
 - [final accepted](#) version
 - [version of record](#)
- ▶ **until 2016:** only final accepted version and version of record were put on arXiv.org
- ▶ **concerns** by some authors to publicize prior versions

- ▶ **prestigious publications** in computer science are in **conferences**
 - articles in proceedings of leading conferences of the respective specialized field
 - acceptance rates of conferences in the range 20-30% (+/-)
 - articles in conference proceedings typically have a page restrictions (ca. 15-20 pp.); important technical details (scientific evidence) are in unreferee/unpublished appendices
- ▶ **Guest Editors** (typically program committee (co-)chairs) edit special issues of journal consisting of “full versions” of selected articles
- ▶ 4-8 special issues p.a. each having ca. 4-8 articles
(e.g. 30+ from conferenes in 2020)
- ▶ **technically**, special issues are an **overlay** over normal issues
- ▶ They are the **best publications** of the journal and a clear **success factor**.

Thank you for your attention



CNRS support for scholar-led publishing (Episciences and PCI)

Serge Bauin

CNRS-France (DDOR)

CNRS supports dozens of initiatives in open science...

Policy framework: National Plan for Open science (with a dedicated fund)

CNRS contributes to the national fund (and actually manages it), and supports many OS initiatives directly, following SCOSS (or not).

Narrowing to publishing: OpenEdition, CCSD (HAL, Episciences...), Centre Mersenne, PCI, many individual journals, etc.

This raises five questions

1. What is PCI? In fact, not really a journal (Stefan Milius already presented Episciences).
2. Thus, what does “Publishing” mean exactly?
3. What does “support” mean exactly?
4. How is CNRS able do that, or, funnier, where does the money come from?
5. Would research evaluation be the main lock?

What is Peer Community In (PCI)?

<https://peercommunityin.org>
<https://peercommunityjournal.org>

A public organization created in 2016 by 3 French researchers, hosting communities of scientists that organize the **open peer review** and **recommendation of preprints** in their scientific field.

- The author of a preprint posted in **any open archive** (arXiv, bioRxiv, etc...) can submit it to a PCI in his field (PCI Ecology, PCI Genomics, etc...)
- Each PCI gathers many **recommenders** (=associate editors) who choose and invite **reviewers**, and make **published and citable editorial decisions** (=recommendations) based on the reviews
- The evaluation process (decisions, reviews, authors' answers) is **published** on the PCI website **only if the preprint is recommended**
- Once recommended, a preprint becomes a **valid and citable 'article'**. If needed, the article 'can' also be **published** in the diamond open access **Peer Community Journal**, or **submitted to a PCI-friendly journal** or to any journal



What are the benefits of PCI?

<https://peercommunityin.org>
<https://peercommunityjournal.org>

- It provides an **open science alternative to the traditional journal publication system, managed by scientists only**
- **It allows to save money for research** (300 €/paper instead of 3000 € on average)
- It promotes the **transparency of the peer-review process**, and the **reproducibility of research** (open access to the data, methods, scripts and codes is mandatory, Registered Reports are evaluated by PCI RR)
- It makes the evaluation process **reusable by any journal**
- It **values the editorial** work of reviewers and recommenders (citable editorial decision and published reviews)



PCI is recognised by cOAlition S and is currently 'supported' by 165 universities and research organizations worldwide.

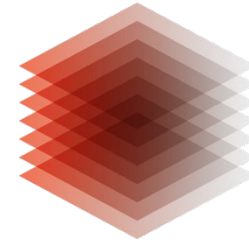
Conclusions

1. PCI is *not really* a journal (Peer Community Journal is nonsensical, yet necessary)
2. Thus, what does “Publishing” mean exactly? Guess...
3. What does “support” mean exactly? Infrastructure vs. projects
- 4. Where does the money come from?** (Guess...)
5. Yes, we must change the evaluation system...

Good luck! (and keep on the good job)



LEIBNIZ INFORMATION CENTRE
FOR SCIENCE AND TECHNOLOGY
UNIVERSITY LIBRARY



TIB

"TIB Open Publishing" - An Open Access platform for publishing scholarly journals and conference publications

Dr Xenia van Edig, Technische Informationsbibliothek (TIB)
Helmholtz Open Science Forum "Scholar-led Publishing in Helmholtz"
13 April 2023

Agenda

1. Why a new OA publishing service?
2. What do we offer?
3. How does it work?

Why a new OA publishing service?

- Contribution to open access transformation
- Venue for “diamond OA” publications
- Library-based offer for editors and conference organizers
- Conference publications often “grey” literature
- Frustration of editors/organizers with legacy publishers
- Implementation of high formal and technical standards
- Service close to academia
- Contribution to software development (TIB is a major development partner of PKP)

What do we offer?

- Service open to all disciplines (but focus on TIB subjects)
 - Open to all institutions, not restricted to TIB
- Mandatory publishing best practices
 - CC BY and author copyright
 - Long-term archiving
 - Persistent identifiers
 - Editorial policies
 - Transparency regarding financing and quality assurance
- New publications, transfers, flipping
 - OJS multi-journal installation on TIB servers

What do we offer?

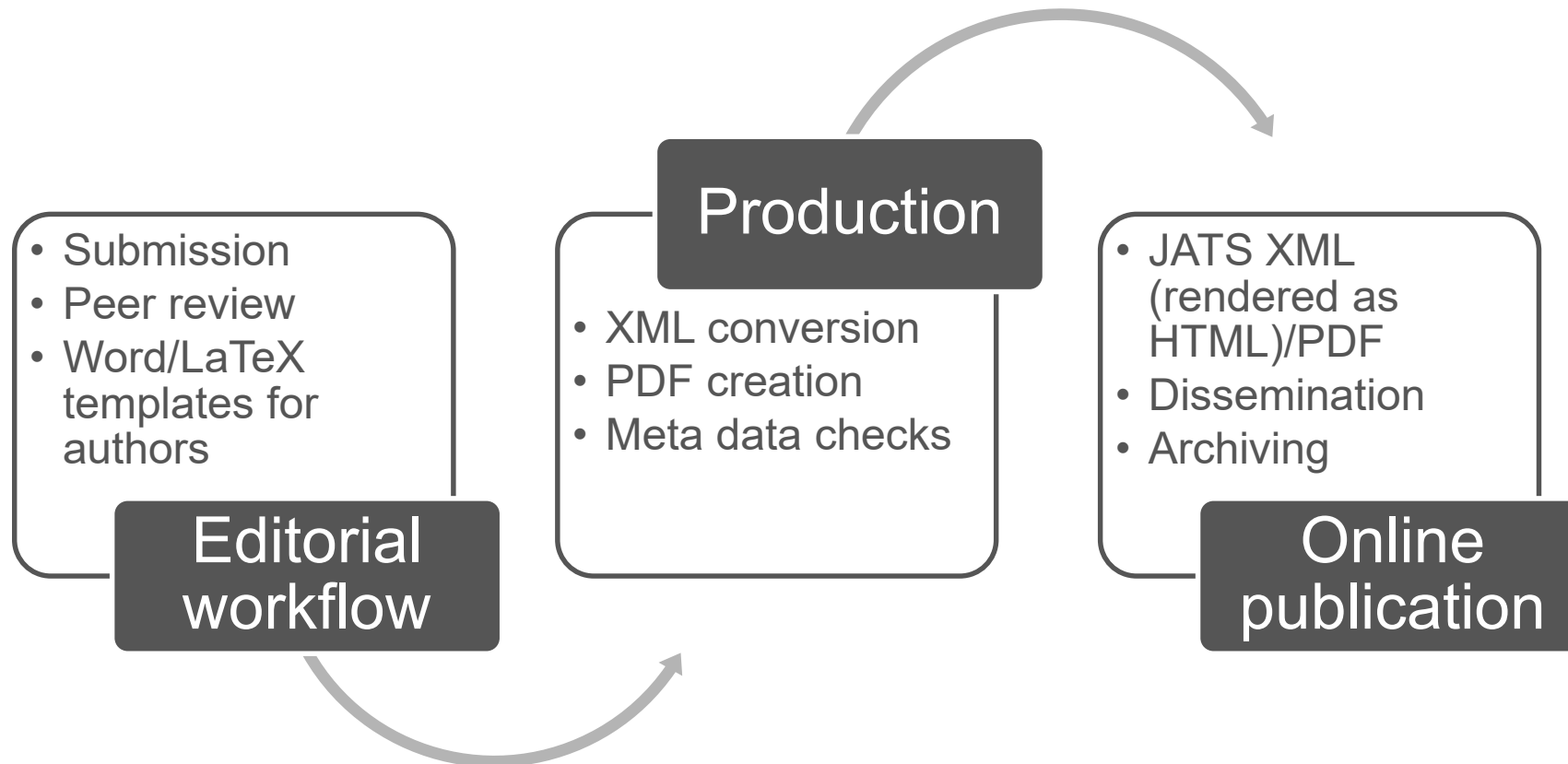
- Technical setup of the proceedings/journal (incl. website, user roles and plug-ins)
 - Use of OJS default theme to enhance accessibility
- Support/training regarding the configuration/processes of the submission/review system (OJS)
- Semi-automatic production of the contributions (template-based) and their open-access publication.
- Support and advice for editors regarding OJS and formal quality criteria, such as Plan S compatibility (fixed amount of time).
- Indexing of articles in Google Scholar and support of the editors in the indexing of the proceedings/journals in databases and indexing services.
- Use of plagiarism check software (Similarity Check)
- Crossref DOI registration
- Registration of an eISSN
- Long-term archiving and submission to DNB

How does it work?

- Individual offers based on standardized pricing scheme
- Contracts with the institution owning the publication
 - Ownership of title etc. remains with customer
 - The editors are in charge and responsible for the content and scientific quality of the publication
- Publishing agreement (terms, licensing) with the authors through OJS
- Website: template policies from us, input from the editors
- Indexing in Google Scholar, Dimensions, and J-Gate
 - some publications are already indexed in DOAJ, EBSCO Discovery Service, Scopus, dblp, and CPCI (Web of Science)
- No user tracking

How does it work?

Publishing workflow



How does it work?

SUMO Conference Proceedings
3 | 2022

TIB
OPEN
PUBLISHING

SUMO User Conference
09 – 11 May 2022
Virtual Event

SUMO User Conference
May 09-11, 2022

Editors:
Pablo Alvarez Lopez
Olaf Angelo Banse Bueno
Michael Behrlich
Jakob Erdmann
Yun-Pang Flötteröd
Robert Hilbrich
Ronald Nippold
Johannes Rummel
Matthias Schwabom
Peter Wagner
Melanie Weber

DLR
Deutsches Zentrum
für Luft- und Raumfahrt
German Aerospace Center

SUMO Conference Proceedings

Home / Archive / 2022 / SUMO User Conference 2022 / Conference papers

Extension and Validation of NEMA-Style Dual-Ring Controller in SUMO

Max Schröder
University of Bamberg, RFR

Olaf Angelo Banse Bueno
National Research Institute Laboratory RFR

Johannes Rummel
University of Bamberg, RFR

DOI: <https://doi.org/10.2478/sumo.conf.2022.00115>

Abstract

With control, SUMO users could not model the behavior of a ring and barrier setup, signal the existing signal types, which led to the use of SUMO users without the desired ability to regulate traffic controllers within their local networks. This work presents the methods, implementation, verification, and validation of a dual ring traffic light controller which has recently been added to the SUMO software. A first evaluation of the dual ring implementation also provided a control flow model view to this type of traffic controller. The foundation for this work was presented at the SUMO user conference 2021 by researchers at the Institute of Intelligent Transportation Systems (ITS) at the University of Bamberg. This work is a continuation of the work presented at the SUMO user conference 2021. The authors began validation of the SUMO controller against an existing software implementation (SUMO) using a realistic configuration with actual setup parameters from controllers in a real world environment. This work is a continuation of the work presented at the SUMO user conference 2021 as well as validating their implementation through simulation-based and validation by the high-level generated in this paper. Key features such as fully-automated operation, vehicle timing of the plans, proper message fit, algorithm and more, have been added and validated against this 12. system. Though not an exhaustive demonstration of features, this work is intended to show some aspects of this extension of SUMO capabilities.

References

Mikolaj Baner and Ibrahim Ismail. Control signal control: Integrating ETSI-140 SUMO. In SUMO User Conference, pages 143–145, 2017.

Matthias Rummel and Frank Hees. A microscopic simulator for realistic and accurate agent control including bus priority. In 14th Annual of Transportation Engineers Annual Meeting, volume 10, pages 1–6, Springer, 1994.

Patrick Goetsch, Tausing Hui, et al. Science Communication of the ACTS 450/75 TR 250.

Olaf Angelo Banse Bueno, Michael Behrlich, Laura Besser-Holst, Jakob Erdmann, Johannes Rummel, Ronald Nippold, Tausing Hui, Yun-Pang Flötteröd, Peter Wagner, and Ewanato Obitoro.

Microsoft traffic simulation using sumo. In The 21st IEEE International Conference on Intelligent Transportation Systems, 2018.

Tom Ueda, Atsuo Tanaka, Ritsko Kuroki, Etsu Lindstrom, Kohei Lee, Shun Uchiyama. Sumo: Scaling traffic flow. In Proceedings, 2019.

Funding data

- DFG (Sonderforschungsbereich SFB 1173/B1)
- DFG (Sonderforschungsbereich SFB 1173/B1)
- Grant numbers DE 283002-9

Reinforcing Materials

Combining Wire and Arc Additive Manufacturing and Selective Paste Intrusion for Additively Manufactured Structural Concrete

Fundamental Investigations on the Effect of Heat Exposure by WAAM on the Rheological and Intrusion Behavior of Cement Paste in the Particle Bed During Selective Paste Intrusion

Alexander Straßer, Daniel Weger, Carla Matthäus, Thomas Kränkel, Christoph Gehlen

61-72

[PDF](#) [XML](#) [Conference presentation video](#)

Introduction

Materials and Methods

Results and discussion

Future work

Conclusions

Outlook

Data availability statement

Author contributions

Competing interests

Funding

Acknowledgment

TIB AV-PORTAL

Suchen nach Personen, Orten, Themen...

Combining WAAM and SPI for Additively Manufactured Structural Concrete

Requirements

- Need of workability and suitable intrusion depth of the cement paste during the printing process for an optimal printability
- Need of fundamental investigations on the effect of exposure on the rheological and intrusion behavior of the cement paste in the particle bed
- Need of benchmark for dimensioning of cooling strategies and adjustment of process parameters e.g. distance of the waiting point from the particle bed

DEFC

Deutscher Forschungsgemeinschaft e. V. (DFG)

MATTHÄUS, CARLA | STRÄßER, ALEXANDER

Ähnliche Filme

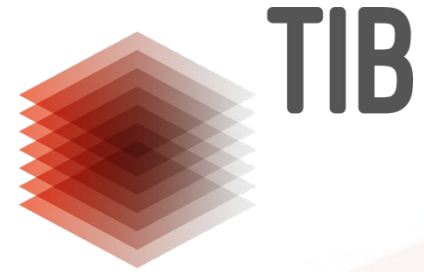
Science for Future!

The video recording of conferences via the service ConRec and the provision in the TIB AV-Portal are further services of TIB

Outlook

- Various proceedings, e.g. in the field of solar energy, planned (contracts in place)
- Publication of first journal articles in 2023 (2 journals opened their submissions)
- Participation in EU project CRAFT-OA (started in Jan. 2023)
 - Goal: strengthen the landscape of institutional publishing
- Ongoing software developments:
 - Better adaptation of OJS for conference publications
 - XML conversion of LaTeX submissions (so far only implemented for Word submissions)

LEIBNIZ INFORMATION CENTRE
FOR SCIENCE AND TECHNOLOGY
UNIVERSITY LIBRARY



MORE INFORMATION

www.tib-op.org | www.tib.eu

Contact

Dr Xenia van Edig
xenia.van.edig@tib.eu



Creative Commons Attribution 4.0 International
<https://creativecommons.org/licenses/by/4.0/deed.en>

Self Publishing in Helmholtz: Publishing services at KIT

Regine Tobias, Leitung Abteilung Publikations- und Mediendienste





+



Zwei Säulen = ein Konzept



Veröffentlichung eines möglichst hohen Anteils
des (monographischen) Forschungsoutputs über
einrichtungseigene Infrastrukturen

Beide Säulen haben gleiche Grundwerte



+



- ✓ Open Access
- ✓ Wahrung der Autorenrechte
- ✓ Subventionierte, institutionelle Services
- ✓ Strategische Einbettung als zentrale Aufgaben der Bibliothek

Die Services unterscheiden sich in Details und arbeiten komplementär



+



Professioneller Verlagsservice
(Personal + Organisation) mit viel
Anerkennung im KIT

Weltweiter Vertrieb von
Fachbüchern im Buchhandel

Bundesweit einer der größten
wissenschaftseigenen Verlage im
Buchbereich

Basisservice auch für
Publikationen ohne dezidierte
Qualitätssicherung

Enge Verzahnung mit Instituten
und Fakultäten

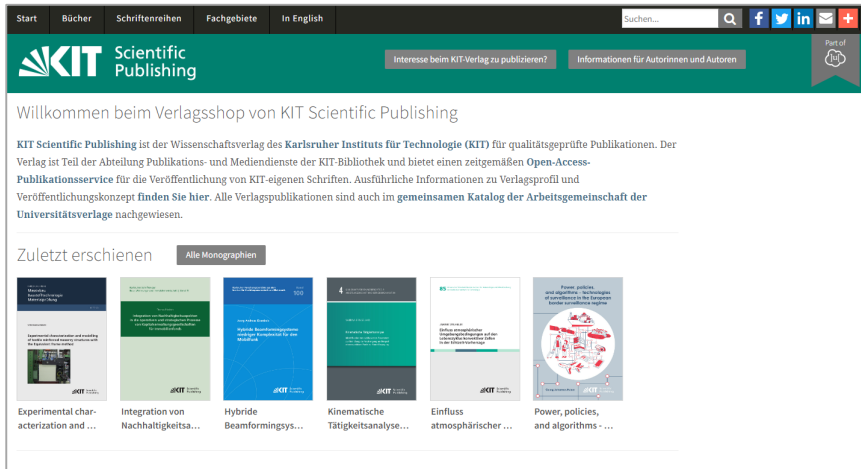
Eigenentwicklung der IT-
Infrastruktur



*Ca. 34 % der Buch/Proceedingsproduktion von KIT-Forschenden
werden im KIT verlegt, ca. 85% der Hochschulschriften*

Ongoing: Ausbau der Services


UBIQUITY PRESS Verlag und Dienstleister



SCIFLOW Schreib- und Publikationsplattform



KIT Scientific Publishing und SciFlow starten Pilotprojekt zur Digitalisierung und Automatisierung von Verlagsabläufen

by Redaktion / Ro  Posted on 13. März 2023 | Veröffentlicht in Aktuelles & Veranstaltungen, Bücher & Zeitschriften, KIT Scientific Publishing, Personen, Organisationen & Stellen

KIT Scientific Publishing, ein führender Universitätsverlag, hat ein Pilotprojekt mit SciFlow, einer innovativen Schreib- und Veröffentlichungsplattform für das wissenschaftliche Publizieren angekündigt. Die Partnerschaft zielt darauf ab, Verlagsabläufe weiter zu digitalisieren und zu automatisieren sowie durch die Bereitstellung mehrerer Endformate für Leserinnen und Leser die Sichtbarkeit von Karlsruher Forschungsergebnissen insgesamt zu verbessern.

https://blog.bibliothek.kit.edu/kit_bib_news/

Beratung vorab: Integrierte Führung durch Publishing services



KIT
Karlsruher Institut für Technologie

Publizieren in Open-Access-Infrastrukturen des KIT

KIT-BIBLIOTHEK

Die KIT-Bibliothek betreibt verschiedene, wissenschaftseigene Publikationsinfrastrukturen nach dem Open-Access-Modell.
Die Kontrolle über die Verbreitung der wissenschaftlichen Erkenntnisse liegt somit in den Händen des KIT und Forschung wird fern von kommerziellen Vertriebsabsichten sichtbar.



Dieses Tutorial hilft Ihnen, den für Sie richtigen Publikationsservice zu finden.

Der ideale Publikationsservice am KIT für mein Projekt! 

KIT - Die Forschungswelt in der Helmholtz Gemeinschaft www.kit.edu

WELCHER OPEN-ACCESS-SERVICE PASST FÜR MICH?

Die Entscheidung für einen Publikationsweg bringt unterschiedliche Aufwände und Rahmenbedingungen mit sich. Folgende Fragen sollten Sie sich vorab stellen:

- *Welchen formalen, technischen und ggfs finanziellen Aufwand bin ich bereit, für die Aufbereitung meiner Arbeit zu leisten?*
- *Wie kann ich garantieren, dass meine Arbeit den Qualitätsanforderungen der Scientific Community entspricht?*
- *Wie erreiche ich eine möglichst gute Sichtbarkeit meiner Forschungsergebnisse?*



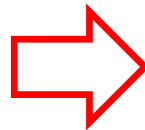
<https://www.bibliothek.kit.edu/downloads/PDF/Tutorial-BIB-Publizieren-OA-Strukturen-de.pdf>

<https://www.bibliothek.kit.edu/downloads/PDF/Tutorial-BIB-Publizieren-OA-Strukturen-en.pdf>

Weiterführende Beratung rund um Golden Open Access:

Checkliste für die Publikation von Medien über KITopen

Das [Repository KITopen](#) verbreitet Ihre Publikationen, Forschungsdaten und Medien unterschiedlichster Art nach internationalen Standards und bietet Ihnen eine optimale Sichtbarkeit Ihrer Forschungs- und Lehrleistungen. Dabei spielen gut aufbereitete Metadaten sowie auch die strategische Platzierung in weiteren Forschungs- und Lehrkontexten eine große Rolle.



<https://www.bibliothek.kit.edu/downloads/PDF/KITopen-Checkliste-Buecher-final.pdf>

Inhalt

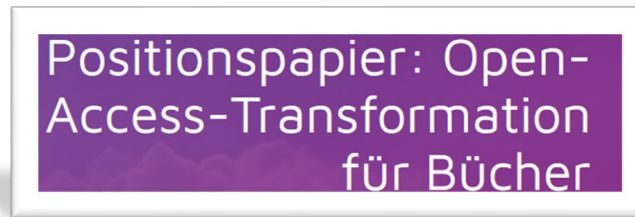
- Platzierung Ihrer Forschungsarbeit:
- Rund ums Schreiben und Aufbereitung.....
- Mitwirkende und Ihre Autorenrechte:
- Verbreitungsoptionen:
- Qualitätssicherung.....
- Inhaltliche Erschließung.....
- Formale Erschließung
- Forschungsdaten
- KIT-spezifische Angaben
- Weiterverwendung Ihrer Einträge aus KITopen
- Druckexemplare gewünscht?

(Über-)regionales

Kooperationen



Positionen



<https://zenodo.org/record/6346234>



<https://www.o-bib.de/bib/article/view/5926>

Projekte

*TU9 Monos
Diamond Thinking*

WAS WIR BIETEN

- Maximale Reichweite** Durch Open Access sind alle Ihre Publikationen weltweit zugänglich und nachvollziehbar - kostenlos und ohne jegliche Einschränkung.
- Schnellered Publishing** Ihre Diamond Open Access stellt die Forschungsergebnisse der Infrastruktur bereit. Publikationsplattformen (APC's) fallen weder für Lesende, noch für Publizierende an.
- Bewahrung Ihrer Rechte** Alle Artikel werden unter der CC BY Lizenz veröffentlicht. Auf diese Weise behalten Ihre Autorinnen und Autoren die Urheberrechte an ihrem Inhalt und ermöglichen Lesenden und Lesern die Lektüre und Weitergeben der Inhalte, wenn sie die richtige Quellenangabe verwenden.
- Qualitätsicherung** Mit einem Peer-Review-Verfahren können Sie die hohe Qualität Ihrer Zeitschrift sicherstellen und die Prozesse dafür selbst festlegen und steuern. Für die Qualitätssicherung stellen wir Ihnen den Zugang zu unserer Plattform Open Journal System (OJS) zur Verfügung.
- Bildhaltung und Archivierung** Alle veröffentlichten Artikel werden in den wichtigsten bibliographischen Datenbanken mit einem individuellen Digital Object Identifier (DOI) indexiert und über Koppen und LOCKSS/LOCKSS archiviert.
- Sichtbarkeit** Ihre Zeitschrift wird nach Ihren Wünschen indexiert für Sie geteilt und erhält eine eigene Website, die über unsere professionelle Webpräsenzform präsentiert wird.
- Produktion** Wir stellen für die Erstellung Ihrer Manuskripte in PDF und XML, verschiedene Servicelevels bereit.
- Service und Beratung** Wir erstellen mit Ihnen gemeinsam einen Projektplan für Ihre Zeitschrift und beraten Sie bei allen relevanten Fragen. Von Fragen zur Qualitätssicherung, Autorenschaften, Veröffentlichungsregeln, Übersetzung, Sonstigen Dienstleistungen und Servicelevels - oder anderen Themen rund um die Publikationsverteilung.

10.04.2022

KIT SCIENTIFIC PUBLISHING
Regine Töhlen
Leitung der Abteilung Publikations- und Mediendienste
Straße des Friedens 2, 76131 Karlsruhe
Tel. 07231 608 - 47 34 0
regine.tohlen@kit.edu

Informationen zu Open Access am KIT
bibliothek.kit.edu/open-access-2020

Forschen und Publizieren
bibliothek.kit.edu/forschen/publizieren.php

Repository KitOpen
bibliothek.kit.edu/kitopen.php

Universitätsverlag KIT Scientific Publishing (KSP)
bibliothek.kit.edu/ksp.php

KSP-Webshop
ksp.kit.edu


**PUBLIKATION
EINES DIAMOND
OPEN ACCESS
JOURNALS AM KIT**

DONA4KIT
Open Access Publishing am KIT

Vielen Dank für Ihre Aufmerksamkeit!

Regine Tobias
regine.tobias@kit.edu

ORCID iD

 <https://orcid.org/0000-0002-6164-0832>





Helmholtz Open Science Forum „Scholar-led Publishing“

Forschungszentrum Jülich - Publishing House

April 13th 2023 | Heike Lexis

Publishing house of the Research Centre Jülich

- The publishing house of the Research Center has been publishing the results of Jülich research for **more than 60 years**
- **The employees of the research center** can publish their scientific papers, project reports, diploma theses, doctoral dissertations and postdoctoral theses. Results from conferences or workshops are also welcome.
- The publishing house of Forschungszentrum Jülich is an **Open Access publisher**. All publications published by the publishing house are made freely available via the publication portal JuSER.
- Information and advice for authors
- Distribution of the printing products
- Delivery of the obligatory copies (Leipzig/Bonn)

Publications of Forschungszentrum Jülich

Series of publications

- **Energy and Environment**
- **Health**
- **Information**
- **Key Technology**

General / Library / IAS-Series / M&S / NIC-Series / IBOC / PTJ

Reports

- **Jül-Berichte**

Publication series



Energy & Environment



Health



Information



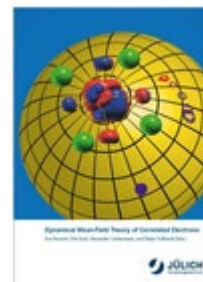
Key Technologies



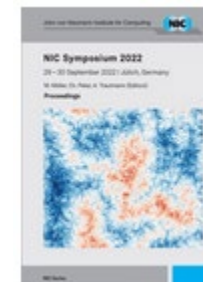
Library



Bioorganic Chemistry

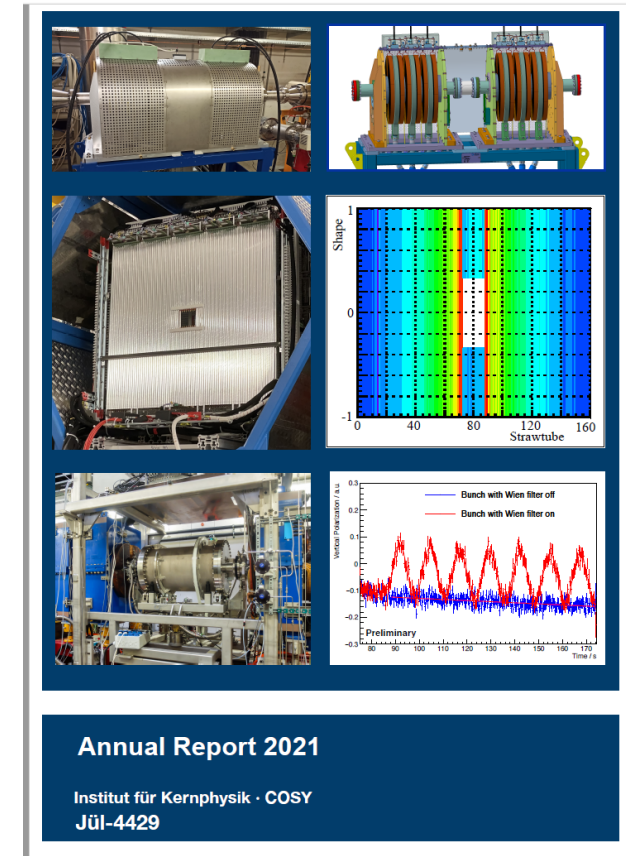


Modeling and Simulation



NIC Series

JüL- Reports



Linking and interconnection of the databases used

- Input into the publisher database
- Visibility on the publisher's websites
- Record in the publication database

Networking of databases

Publisher database

Schriften-Verwaltung

ISBN 13: ISBN:

Zählung: Juel_Nr.:

Sortierung:

Titel:

Untertitel:

Autoren:

Schrifttyp:

Issn:

Serientitel:

Bemerkung:

Institute:

interne Notiz:

Sonstiges:

URN:

Dokumenttyp:

Erscheinungsjahr:

Umfang:

Sprache:

Verkaufspreis(€) inkl mwst:

Auflage ZB:

Auflage Institut:

Geschaeftsgang:

Bestand:

Archiv Exemplar:

25 von 35

alle Schriften Suchen Titelverkauf **Verlagsseite** Neu Löschen Schließen

Verlagsseite

Titel:

User ID:

Handle:

Cover:

Inhaltsverzeichnis:

PDF:

Web appearance

Schriften des Forschungszentrums Jülich

Bibliothek
Die Publikationen können über die Zentralbibliothek besorgt werden.
Bestellungen bitte schriftlich an zb-publikation@juelich.de
oder Fax: +49(0)2461 616103

Reihe Bibliothek

Band/Volume 23
WissKom 2019: Forschungsdaten - Sammeln, sichern, strukturieren
Inhaltsverzeichnis [↗](#)
8. Konferenz der Zentralbibliothek, Forschungszentrum Jülich
Bernhard Mittermaier (Hrsg.);
Print-on-demand - Preis auf Anfrage
2019; iv, 319 Seiten; ISBN 978-3-95806-405-8;
 [↗](#)



Band/Volume 22
WissKom 2018: Der Schritt zurück als Schritt nach vorn - Meist der Siegeszug des Open Access Bibliotheken erbeislos?
Inhaltsverzeichnis [↗](#)
7. Konferenz der Zentralbibliothek, Forschungszentrum Jülich, 14. - 16. Juni 2018, Proceedingsband
Bernhard Mittermaier (Hrsg.);
Print-on-demand - Preis auf Anfrage
2018; ca 280 Seiten; ISBN 978-3-95806-148-0;
 [↗](#)



Band/Volume 21
Vernetztes Wissen - Daten, Menschen, Systeme
Inhaltsverzeichnis [↗](#)
6. Konferenz der Zentralbibliothek Forschungszentrum Jülich
Bernhard Mittermaier (Hrsg.);
2012; 379 Seiten; ISBN 978-3-89336-821-1; 45,00 EUR
 [↗](#) [\[Print-Exemplar bestellen\] ↗](#)



Band/Volume 20
eLibrary - den Wandel gestalten
Inhaltsverzeichnis [↗](#)
5. Konferenz der Zentralbibliothek Forschungszentrum Jülich
Bernhard Mittermaier (Hrsg.);
2010; 389 Seiten; ISBN 978-3-89336-688-2; 45,00 EUR
 [↗](#) [\[Print-Exemplar bestellen\] ↗](#)



Band/Volume 19
Bibliometrische Verfahren und Methoden als Beitrag zu Trendbeobachtung und -erkennung in den Naturwissenschaften
Inhaltsverzeichnis [↗](#)
Tunger, Dirk;
2009; 311 Seiten; ISBN 978-3-89336-550-0; 98,00 EUR
 [↗](#) [\[Print-Exemplar bestellen\] ↗](#)



Band/Volume 18
WissKom 2007: Wissenschaftskommunikation der Zukunft
Inhaltsverzeichnis [↗](#)
4. Konferenz der Zentralbibliothek, Forschungszentrum Jülich, 6. - 8. November 2007, Beiträge und Poster
Baill, Rafael (Hrsg.);
2007; 310 Seiten; ISBN 978-3-89336-459-6; 45,00 EUR
 [↗](#) [\[Print-Exemplar bestellen\] ↗](#)



Band/Volume 23

WissKom 2019: Forschungsdaten - Sammeln, sichern, strukturieren Inhaltsverzeichnis [↗](#)

8. Konferenz der Zentralbibliothek, Forschungszentrum Jülich

Bernhard Mittermaier (Hrsg.);

Print-on-demand - Preis auf Anfrage

2019; iv, 319 Seiten; ISBN 978-3-95806-405-8;

[↗](#)



Band/Volume 21

Vernetztes Wissen - Daten, Menschen, Systeme Inhaltsverzeichnis [↗](#)

6. Konferenz der Zentralbibliothek Forschungszentrum Jülich

Bernhard Mittermaier (Hrsg.);

2012; 379 Seiten; ISBN 978-3-89336-821-1; 45,00 EUR

[↗](#) [\[Print-Exemplar bestellen\] ↗](#)



Publication database - JuSER -

Identifizier:

URL:

<https://juser.fz-juelich.de/record/863008>

Handle:

<http://hdl.handle.net/2128/22232>

URN:

<urn:nbn:de:0001-2019081924>

Information Diskussion (0) Dateien Plots

1433-5557 Report

Book/Proceedings FZJ-2019-03154

Forschungsdaten - Sammeln, sichern, strukturieren

Mittermaier, B. (Editor)*

2019
Forschungszentrum Jülich GmbH Zentralbibliothek, Verlag Jülich
ISBN: 978-3-95806-405-8

8. Konferenz der Zentralbibliothek, Forschungszentrum Jülich, WissKom 2019, Jülich, Germany, 4 Jun 2019 - 6 Jun 2019
Jülich : Forschungszentrum Jülich GmbH Zentralbibliothek, Verlag, Schriften des Forschungszentrums Jülich. Reihe Bibliothek / Library 23, : Proceedingsband, iv, 319 S. (2019)

Please use a persistent id in citations: <http://hdl.handle.net/2128/22232> urn:nbn:de:0001-2019081924

Abstract: Die Wissenschaft erlebt durch die Informationstechnologie einen ihrer größten Umbrüche. Doch obwohl Computer und Netzwerke seit Jahrzehnten zum Forschungsalltag gehören, ist der Grad der Digitalisierung in den meisten Fachdisziplinen noch unzureichend. Der überwiegende Teil der Daten ist kaum dokumentiert und wird mit Ad-hoc-Verfahren verarbeitet und analysiert. Gleichzeitig steht die Wissenschaft vor neuen globalen Herausforderungen: Die Reproduzierbarkeitskrise wird durch nicht oder nicht vollständig publizierte Daten verschärft, die Verdopplung von Experimenten verschwendet Ressourcen und gefährdet Versuchstiere, und mit der Datenwissenschaft ist ein neuer Wissenschaftszweig auf dem Vormarsch, dessen Erfolg entscheidend von gutem, globalem Datenmanagement abhängt. Dabei ist die größte Hürde zu besserem Datenmanagement nicht technischer Natur. Es müssen Aufmerksamkeit geschaffen und Berührungsängste abgebaut sowie alte Workflows angepasst und neue Anreize gefunden werden. Primär kommen hierfür Schulungen und Beratungsangebote zum Einsatz. Zudem bieten Datenmanagementpläne einen guten Ansatz, Forschern einen niederschweligen Zugang zu dem Thema zu öffnen. In der WissKom2019 beschäftigen wir uns mit diesen und anderen Aspekten des noch vergleichsweise jungen Themas Forschungsdatenmanagement, das die meisten Institutionen in den Bibliotheken ansiedeln. Dabei koexistieren unterschiedliche Reifegrade. Wir bilden dies in den Sessions ab, welche von „Strategie“ bis „Lessons learned“ reichen. Die achte Konferenz der Zentralbibliothek will Ansätze aufzeigen, wie Bibliotheken dieses Zukunftsfeld entscheidend mitgestalten können.

Contributing Institute(s):

- Zentralbibliothek (ZB)

Research Program(s):

- 899 - ohne Topic (POF3-899) (POF3-899)

Appears in the scientific report 2019

Database coverage:



The record appears in these collections:



- [Dokumenttypen](#) > [Bücher](#) > [Proceedings](#)
- [Dokumenttypen](#) > [Bücher](#) > [Bücher](#)
- [Workflowsammlungen](#) > [Öffentliche Einträge](#)
- [Institutssammlungen](#) > [ZB](#)
- [Publikationsdatenbank](#)
- [Open Access](#)

Linked articles:

Contribution to a conference proceedings/Contribution to a book
López, A. (Corresponding author)
Die FDM-Utopie und der Weg dorthin
Forschungsdaten - Sammeln, sichern, strukturieren
8. Konferenz der Zentralbibliothek, Forschungszentrum Jülich, WissKom 2019, Jülich, Germany, 4 Jun 2019 - 6 Jun 2019
Jülich : Forschungszentrum Jülich GmbH Zentralbibliothek, Verlag, Schriften des Forschungszentrums Jülich Reihe Bibliothek / Library 23, 5-20 (2019)
[Files](#) [Fulltext by OpenAccess repository](#) BIB TEX | EndNote | XML | Text | RIS

Contribution to a conference proceedings/Contribution to a book
Droß, P. ; Naujoks, J.
Die Kuratierung sozialwissenschaftlicher Forschungsdaten – Praxisfragen und Beispiellösungen
Forschungsdaten - Sammeln, sichern, strukturieren
8. Konferenz der Zentralbibliothek, Forschungszentrum Jülich, WissKom 2019, Jülich, Germany, 4 Jun 2019 - 6 Jun 2019
Jülich : Forschungszentrum Jülich GmbH Zentralbibliothek, Verlag, Schriften des Forschungszentrums Jülich Reihe Bibliothek / Library 23, 23-38 (2019)
[Files](#) [Fulltext by OpenAccess repository](#) BIB TEX | EndNote | XML | Text | RIS

OpenAccess:

 PDF  PDF (PDF/A)

Externe links:

- [Fulltext by OpenAccess repository](#)
- [Fulltext by OpenAccess repository](#)

Delivery of publications



Angaben zur Netzpublikation

Allgemeine Angaben

(*) Art des abgelieferten Dokuments:
 Monografie Hochschulprüfungsarbeit Print-on-Demand Noten
 Noten (Miet- und Leihmaterial)

(*) Titel:

Untertitel:

Auflagenbezeichnung, Stand, Version:

(*) Erscheinungsjahr online (YYYY):

Digitalisat der Ausgabe von (YYYY):

(*) Adresse der Netzpublikation (URL):

Dateiformat der Netzpublikation:
PDF
EPUB
weitere

Sprachen (* für Hochschulprüfungsarbeiten):
deutsch
englisch
französisch

Angaben zur freiwilligen Selbstkontrolle:
keine Angabe

Hochschulschriftenvermerk (* für Hochschulprüfungsarbeiten)

Art der Hochschulschrift:
Bitte wählen:

Prüfungsjahr (YYYY):

Hochschule
Name der Hochschule:

Ort der Hochschule:

Schriftenreihe (Serie) und/oder mehrteilige Monografie

Typ:
 Schriftenreihe (Serie) mehrteilige Monografie

Titel:

Bandbenennung, -zählung:

ISSN:

(*) Identifikation der Netzpublikation

Typ:
 ISBN ISMN DOI URN Handle UPC GTIN/EAN
 Best.-Nr. eindeutige Identifikation (beliebige Angabe)

Identifikation:

Zugriff und Benutzungsbeschränkungen

(*) Rechte / Zugriff auf das Original:
 weltweit ohne Beschränkung beschränkt

(*) Benutzungsbeschränkungen für das Archivexemplar:
Über den Zugriff auf das Archivexemplar der Netzpublikation in den Räumen der Deutschen Nationalbibliothek hinaus wird gestattet:
 der uneingeschränkte Zugriff für Jedermann
 der Zugriff für die registrierten Benutzer auch von außerhalb
 kein weiterer Zugriff

Monographie

Verlag:

Titel der Monographie*

Erscheinungsjahr* [?]

Adresse der Netzpublikation (URL) [?]

Zugriffsrechte*
 Die Universitäts- und Landesbibliothek erhält mit der Ablieferung der Netzpublikation das Recht, das Werk in ihren Räumen zugänglich zu machen (vgl. § 4 Abs. 6, S. 1 NRW-Pflichtexemplargesetz).
 Der Ablieferer räumt über das oben genannte Recht hinaus der Universitäts- und Landesbibliothek das Recht ein, das abgelieferte Werk in Netzen wie z.B. dem World Wide Web öffentlich und unentgeltlich zugänglich zu machen. Diese freiwillige Einräumung kann jederzeit schriftlich widerrufen werden.

Hinweise
Deutsch

Verbleibende Zeichen: 2000

Hinzufügen

Datei hochladen [?]
pdf hochladen
zip hochladen
epub hochladen

Absenden Abbrechen

Diamond Open Access Journals



Journal of large-scale research facilities JLSRF

The Journal of large-scale research facilities (JLSRF) publishes articles describing large-scale scientific equipment. This covers large-scale equipment from all scientific disciplines that is intended to be used by scientists who are not affiliated to the institution operating the facilities (dedicated user operation).

- OJS Journal
- Cooperation with Freie Universität Berlin



Collective Dynamics is a diamond open-access multidisciplinary journal publishing research in the field of pedestrian dynamics, crowds, vehicular traffic, and other systems of self-driven particles or interacting agents.

- Hosted by CeDiS
- CeDiS is also part of the OJS competence network.

Thank
You





Open Research Europe as a collective non-profit publishing service

Victoria Tsoukala, PhD
European Commission
Directorate-General for Research & Innovation
Unit 'Open Science'

Helmholtz Open Science Forum
'Scholar-led publishing'
Online
13 April 2023

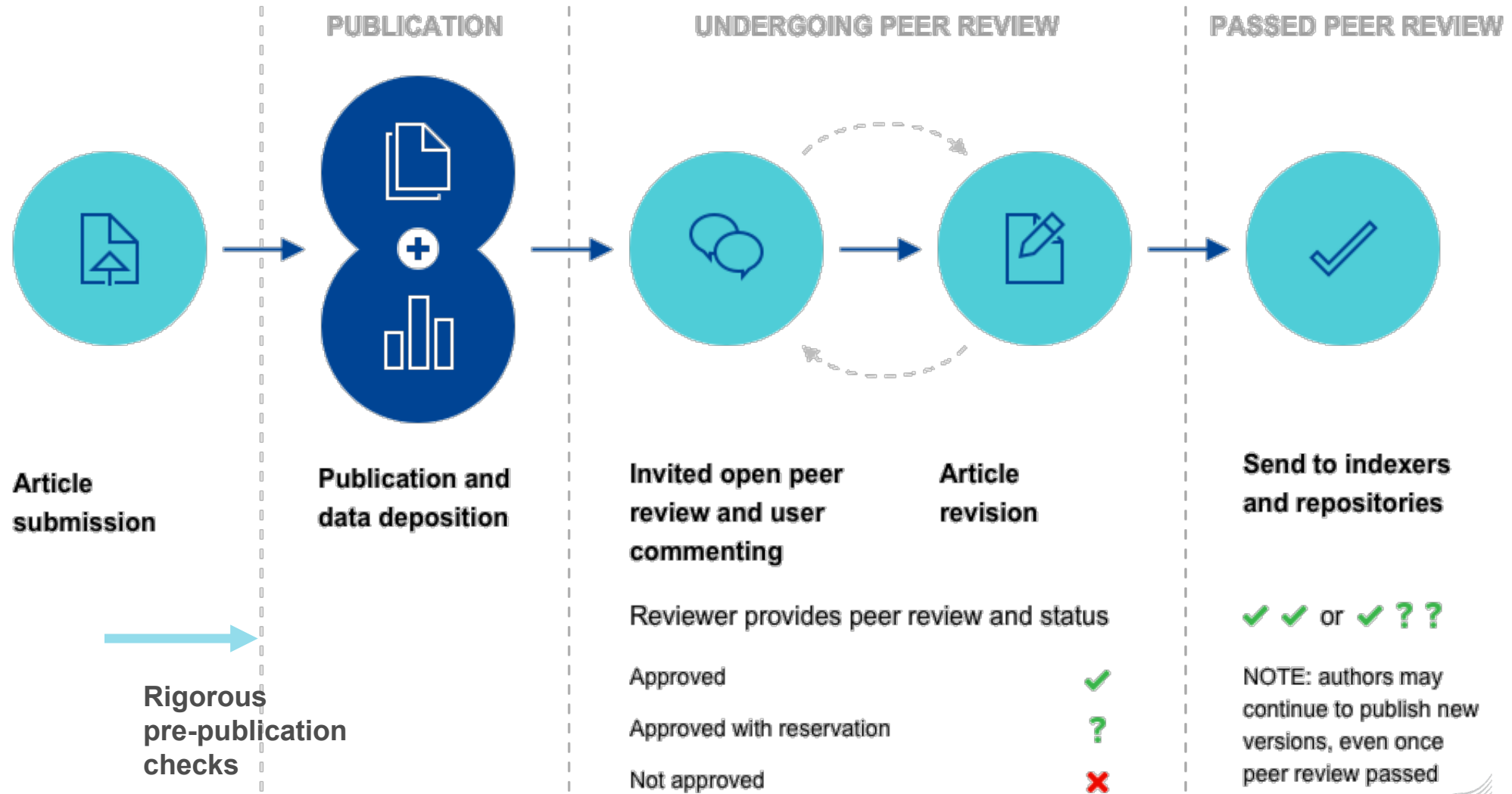
ORE: the basics (1/2)

- Platform for Horizon 2020/Europe grantees, incl. Euratom and COST actions
 - Publishes **original research** funded at least partially by the EC
 - **Optional** service, at **no cost to researchers** during and **after end of their projects**
- Innovative publishing model initiated by a funder
 - **Post-publication open peer-review**: first publication and then open review (both reviewer names and reviews open)
 - All articles and reviews in **open access under CC BY licenses**
 - **High scientific standards**, policies/guidelines and **Scientific Advisory Board**
 - **Transparent** publishing process, enhances transparent research
 - Publishes in **all disciplines**

ORE: the basics (2/2)

- Launched in March 2021: > **350 publications** in all fields (> 500 submissions)
- Researcher-led **community gateways and collections** in particular fields (ca. 120 gateway/collections advisors; over 30 gateways, over 90 collections)
- **Indexed** in Scopus, ERIH+, Inspec and gradually other important indexers & national lists (**no JIF!**); has just been accepted in PubMed
- Operated through a **public procurement until 2026**; brings price of service down (currently **F1000 Research Ltd** until March 2024).

How does it actually work?



Benefits for the authors

Open Research Europe in Action



Efficient

- Rigorous open peer review
- Rapid and transparent
- International scientific advisory board



Impactful

- Immediate open access
- Article-level metrics
- Open data for reproducibility and reuse



Stress-free

- Optional service*
- No administrative burden
- No author fees
- Automatic compliance with open access requirements

* Service available also after grant has ended

Open
Research
Europe

A vision for ORE beyond 2026

- A top-quality, trusted collective **OA publishing service for the public good**
- **Collectively driven, owned and supported** by research funders and research institutions, as a service for **researchers**, with **no author fees**
- Supported by an **open source infrastructure**
- Ambition for a **publishing service without eligibility criteria**
- Keep it **optional yet attractive to answer researchers' needs**

Policy support

- 2022 Council Conclusions on '**Research assessment and implementation of open science**' (FR)
- 2023 (upcoming in May) Council Conclusions on '**High-quality, transparent, open, trustworthy and equitable scholarly publishing**' (SE)
- Both invite MS and funders to support and participate in ORE

Establishing a shared vision for the future of ORE

Taking into consideration:

- **‘Future of Scholarly Publishing and Scholarly Communication’**
2019 report of expert group to the EC
- International Science Council **Fundamental Principles for Scientific Publishing**
- 2021 **UNESCO Open Science Recommendation**
- Relevant work by other groups, e.g. **cOAlition S, Open Research Central**
- Work relevant to the Reform of Research Assessment, e.g. In the content of the Coalition for the Advancement of Research Assessment ([COARA](#))
- Relevant work in the area of Diamond Open Access, e.g. 2022 **‘Action Plan for Diamond Open Access’**, EC-funded **project results and infrastructures**

Some examples of features supporting the principles

Ensuring High-Quality Research and its Integrity

- Rigorous standards in policies and guidelines and in publishing operations
- Collaboration with scientific communities through
- Policies and guidelines that foster reproducible research
- Open peer-review under rigorous standards

Community Building

- Research communities advising and setting scientific standards of platform
- Curated communities and gateways ensuring relevance of content to respective research communities and helping further cultivate communities

Maximizing Accessibility and Usability

- OA to all scientific content under CC BY, FAIR principles and in rapid times
- Interoperable technology and metadata standards
- Content in different formats and machine-readable licenses
- Reuse of digital objects and collections thereof
- Long-term preservation in collaboration with public-interest trusted repositories

Facilitating the Evaluation of Research

- Publishing diverse article types, enabling open proliferation of a wide range of research contributions as legitimate research outputs
- Supporting article-level metrics and qualitative judgements in peer-reviews

Supporting an Expanding Range of Contributions

- Numerous different types of articles supporting OA to wide range of materials that underpin them (data, software, code)
- Open peer-review as a legitimate scientific contribution, staying open in scholarly record

Promoting Flexibility & Innovation

- Responsive infrastructure and policies to meet changing researcher needs and enabling innovations in scholarly communication that are discipline-appropriate

A Distributed, Open Infrastructure

- Underpinned by an open source infrastructure
- Infrastructure part of a broader ecosystem of infrastructures in scholarly communication
- Governed by funders and institutions collectively funding it and deciding on directions
- Research communities at centre, ensuring a service responsive to their scholarly communication needs

Cost-Effectiveness

- Transparency in costs and revenues and in financial flows
- Operational and funding model designed with cost-effectiveness in mind

Equity, Diversity & Inclusivity

- Content accessible to all under CC BY
- Non-profit publishing service, collectively supported
- No author (or reader) fees; no author eligibility criteria
- Relevant policies ensuring EDI in publishing process (incl. authors, reviewers, publ. staff)

Accountability to the Research Community & the Public

- ORE to be accountable to public sector actors, research community and the public
- Governance, business models, daily operation focus on meeting needs of scholars and ensuring social contract between research community and public

Preparatory activities for implementing the vision

- **Discussion with interested national funders** across Europe, aiming at:
 - Further detailing the vision, with a roadmap for implementation (by spring 2023)
 - Converging on a not-for-profit business model and governance (operation and financing) (autumn 2023)
 - Soliciting support (by end-2023)
- Supporting the transition to an **open source infrastructure** to underpin innovative publishing workflows (EC procurement coming up)
- Ensuring an **uninterrupted service for researchers** all the way
- **Supporting** work with relevant projects and expert studies (e.g. on possible business model; on OSS infrastructure)

Indicative steps/timeline

- Meeting with **stakeholders** (June 2023)
- **Intention to support** by funders (end 2023)
- Commission **preparing the transition** (2024-2026)
- Obtaining **collective funding** 2025/2026
- **Launching new ORE** by mid 2026

ORE resources

- <https://open-research-europe.ec.europa.eu/>
 - <https://open-research-europe.ec.europa.eu/about>
 - <https://open-research-europe.ec.europa.eu/faqs>
- [Open Research Europe infographic](#)
- [Open Research Europe playlist in DG R& I Youtube channel](#)
- [@OpenResearch_EU](#) Twitter account

Thank you



© European Union 2023

Unless otherwise noted the reuse of this presentation is authorised under the [CC BY 4.0](https://creativecommons.org/licenses/by/4.0/) license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.



HELMHOLTZ

Open Science