


# B!SON

Empfehlung von Open-Access-Zeitschriften –  
offen, verlagsagnostisch, datenschutzkonform

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Anett Hoppe |  [0000-0002-1452-9509](https://orcid.org/0000-0002-1452-9509)

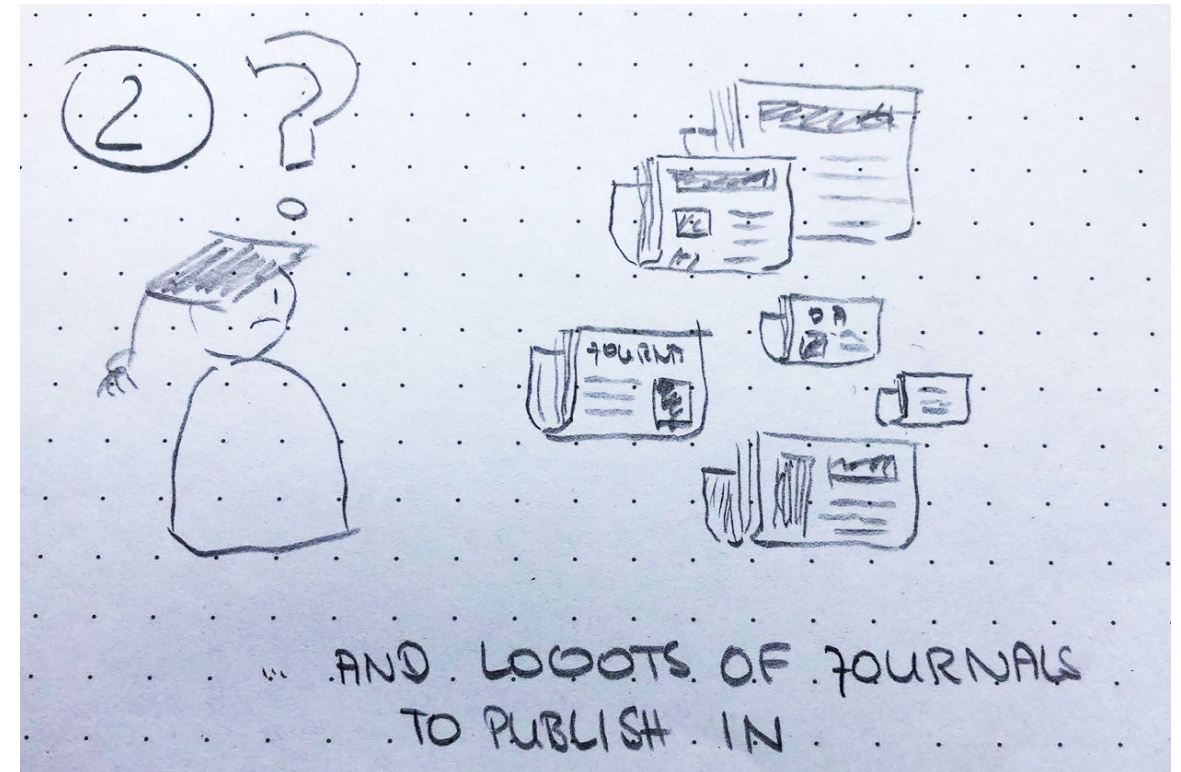
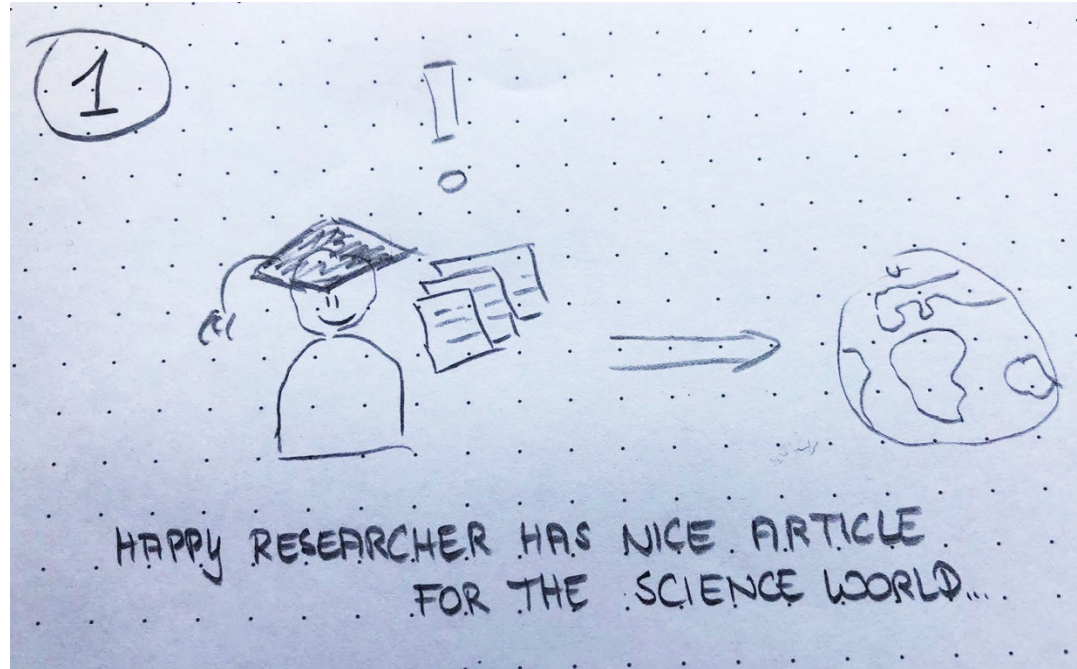
8. Bibliothekskongress Leipzig 2022

Session „Perspektiven der Open-Access-Transformation“



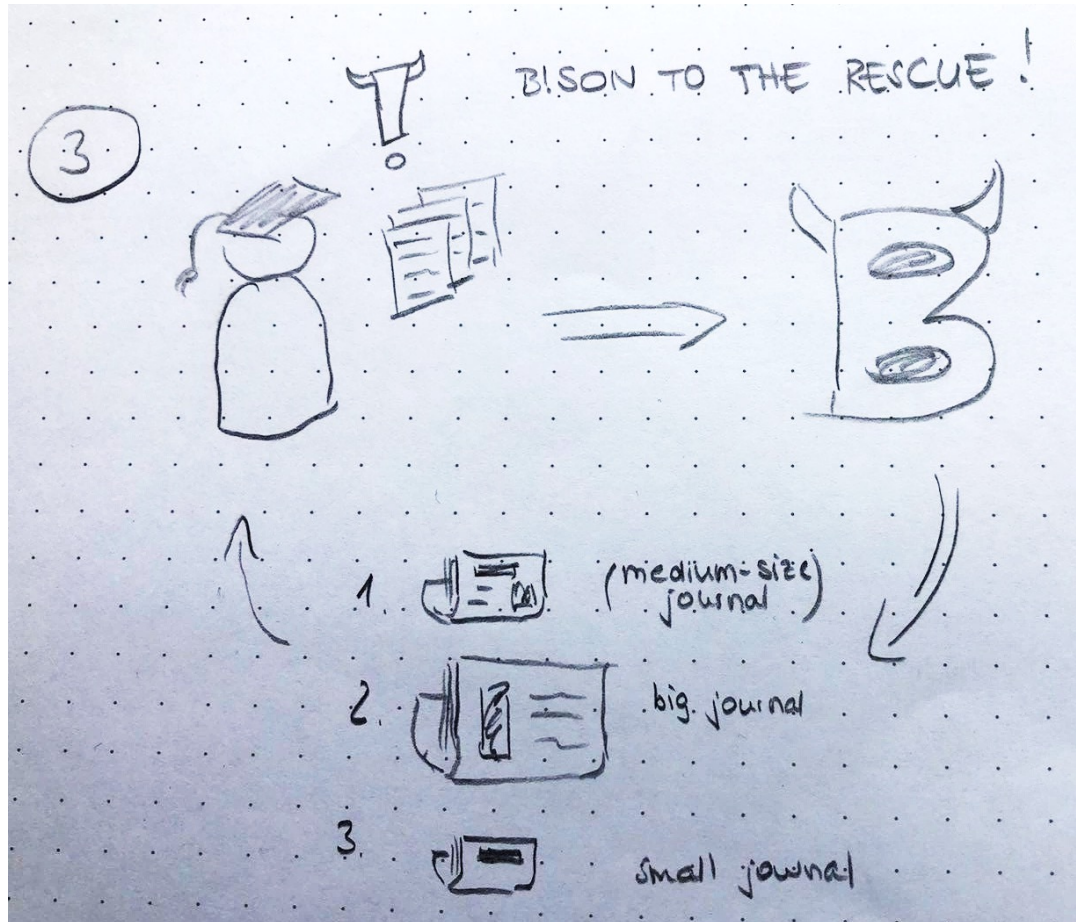
DOI: <https://10.5281/zenodo.6593222>  
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<http://creativecommons.org/licenses/by/4.0/>

# Use Case: „Die passende OA-Zeitschrift finden“



Zeichnungen: Anett Hoppe

# Use Case: Unterstützung durch B!SON



Zeichnung: Anett Hoppe

- Manuskript ist fertig → veröffentlichen!
- Aber wo?
  - Thematische Passung
  - Persönliche Vorlieben
  - Vorgaben von Förderer/Institution
  - Finanzierung durch Bibliothek
  - Vermeidung von Predatory Journals
  - ...
- Unterstützung: B!SON\*
  - Empfehlungsservice für qualitätsgesicherte Open-Access-Zeitschriften

\*Bibliometric and Semantic Open Access Recommender Network



A photograph of a bison standing in a rocky enclosure. The bison is brown with a dark face and horns. The background consists of large, dark rocks and a dirt ground.

# B!SON

**empfiehlt fachlich relevante,  
qualitätsgesicherte Open-Access-Zeitschriften**



A photograph of a bison standing in front of a stone wall. The bison is dark brown with a thick, shaggy coat and curved horns. The stone wall is made of large, irregular stones in shades of grey and brown. The ground is dirt and gravel.

# B!SON

– verlagsagnostisch, kostenfrei,  
datenschutzkonform, transparent, quelloffen

# B!SON empfiehlt fachlich relevante, qualitätsgesicherte Open-Access-Zeitschriften.

Dazu erfolgt ein Abgleich...

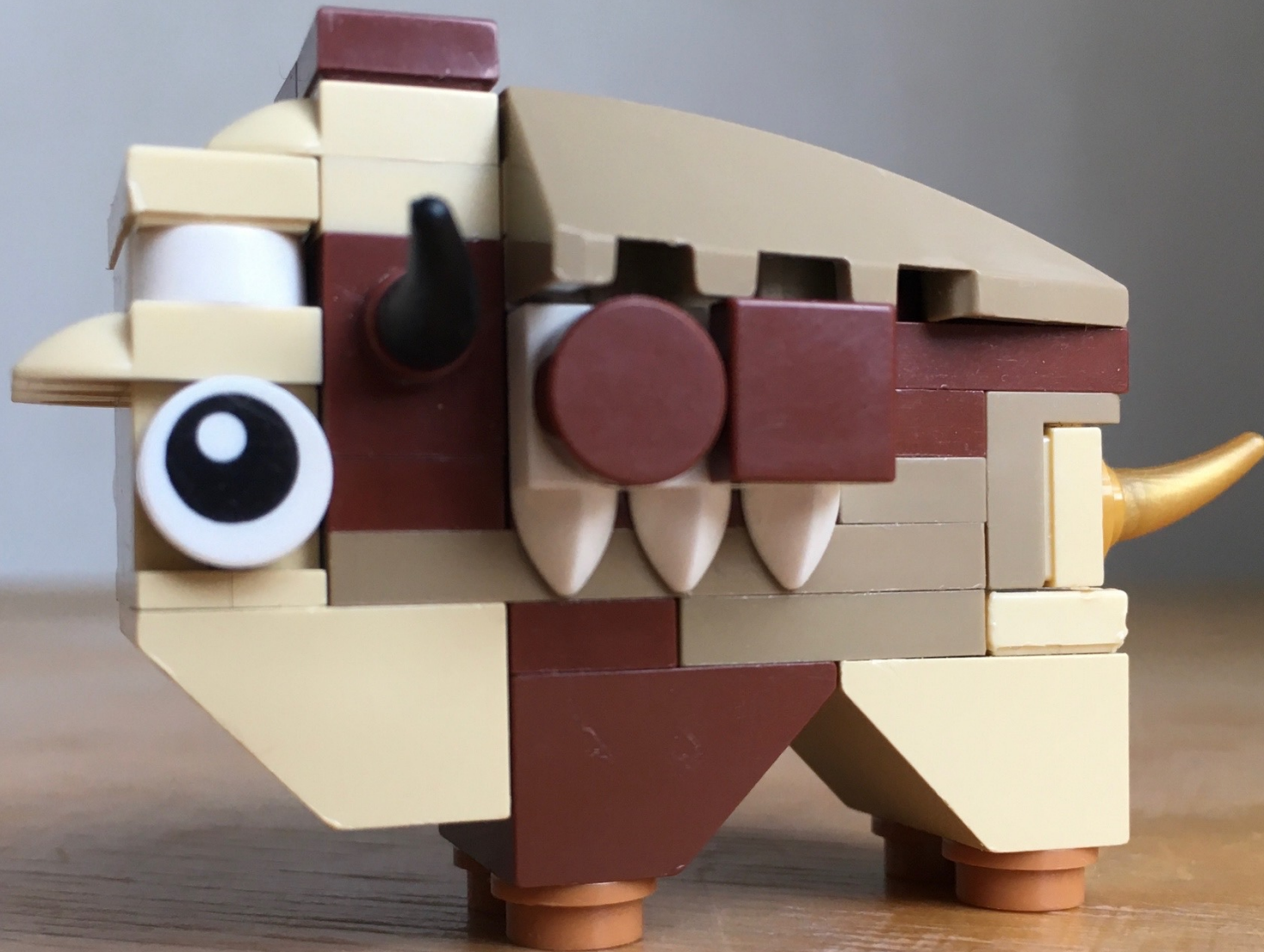
- von Titel/Abstract eines zu publizierenden Manuskripts gegen DOAJ-Artikelmetadaten ....
- und der Referenzen gegen OpenCitations-Zitationsdaten.

Dieser Ähnlichkeitsbestimmung liegen ...

- Verfahren des maschinellen Lernens für die semantische Ähnlichkeit sowie
- bibliometrische Verfahren zugrunde.







**B!SON-Betaversion**

# Schritte der Nutzung von B!SON

1. Eingabe von Manuskriptbestandteilen
2. Ergebnisse: Listen- und Tabellenansicht der Empfehlungen, Score
3. Filter: Eingrenzen der Empfehlungen
4. Zeitschriften-Profilseiten



**B!SON is still in beta and subject to change.**

B!SON helps you to find a suitable Open Access journal for your publication by leveraging semantic and bibliometric methods. Simply enter the details of your manuscript below or [fetch the details of a paper via its DOI](#).

Title

Abstract

References ?

## B!SON is still in beta and subject to change.

B!SON helps you to find a suitable Open Access journal for your publication by leveraging semantic and bibliometric methods. Simply enter the details of your manuscript below or [fetch the details of a paper via its DOI](#).

Title

"You say potato, I say potato" Mapping Digital Preservation and Research Data Management Concepts towards Collective Curation :

Abstract

This paper explores models, concepts and terminology used in the Research Data Management and Digital Preservation communities. In doing so we identify several overlaps and mutual concerns where the advancements of one professional field can apply to and assist another. By focusing on what unites rather than divides us, and by adopting a more holistic approach we

DOIs are extracted from the input.

ve curation and preservation strategies.

References ?

Data <https://www.hrb.ie/funding/funding-schemes/before-you-apply/all-grant-policies/hrb-policy-on-management-and-sharing-of-research-data/>Higgins, S. (2008). The DCC Curation Lifecycle Model. *International Journal of Digital Curation*.3(1), p. 134-140. <https://doi.org/10.2218/ijdc.v2i2.30>Higman, R. Bangert, D. & Jones, S. (2019). Three camps, one destination: the intersections of research data management, FAIR and Open. *Insights*, 32(1), p.18.<http://doi.org/10.1629/uksg.468>Hodson, S., Jones S. et al. (2018). Turning FAIR into Reality: Final Report and Action Plan from the European Commission Expert Group on FAIR data. European Commission. <https://doi.org/10.2777/1524>Jones, S. (2012) Developments in Research Funder Data Policy. *International Journal of*

Check



# Results

[Filter](#)[Export](#)[List](#)[Table](#)[Score](#)

Score:  
925.65

## [International Journal of Digital Curation](#)

By: University of Edinburgh

Keywords: digital access, digital preservation, research data management

Score:  
490.41

## [Liber Quarterly: The Journal of European Research Libraries](#)

By: openjournals.nl

Keywords: european research libraries, information sciences, library management, library sciences, scholarly communication

Score:  
135.29

## [Data Science Journal](#)

By: Ubiquity Press

Keywords: data systems, management of data

Score:  
129.97

## [Journal of eScience Librarianship](#)

By: University of Massachusetts Medical School, Lamar Soutter Library

Keywords: data literacy and education, data sharing, escience librarianship, research data curation, research data management, research data services

Score:

## [RECIIS](#)

# Results

## Recommendation based on these similar articles:

Score:  
925.65

Score:  
490.41

Score:  
135.29

Score:  
129.97

Score:

### Similar titles:

- [Towards a Theory of Digital Preservation](#)
- [Managing Risks in the Preservation of Research Data with Preservation Networks](#)
- [Towards Support for Long-Term Digital Preservation in Product Life Cycle Management](#)
- [Here, KAPTUR This! Identifying and Selecting the Infrastructure Required to Support the Curation and Preservation of Visual Arts Research Data](#)
- [Digital Data Preservation for Scholarly Publications in Astronomy](#)
- [Modelling Organizational Preservation Goals to Guide Digital Preservation](#)
- [Data Management and Preservation Planning for Big Science](#)
- [Distributed Digital Preservation in the Cloud](#)
- [FAIR Forever? Accountabilities and Responsibilities in the Preservation of Research Data](#)
- [Towards the Preservation of the Scientific Memory](#)
- [The CASPAR Approach to Digital Preservation](#)
- [Chronopolis Digital Preservation Network](#)
- [Designing Digital Preservation Solutions: A Risk Management-Based Approach](#)
- [Digital Curation and Doctoral Research](#)
- [Building Infrastructure for Preservation and Publication of Earthquake Engineering Research Data](#)
- [Report on the "Digital Preservation - The Planets Way" Workshop](#)
- [Planets: Integrated Services for Digital Preservation](#)
- [Emulation for Digital Preservation in Practice: The Results](#)
- [Selecting Efficient and Reliable Preservation Strategies](#)
- [Towards Interoperable Preservation Repositories: TIPR](#)
- [Digital Preservation and Copyright: An International Study](#)
- [Digital Curation, Copyright, and Academic Research](#)

### Similar abstracts:

- ["You say potato, I say potato" Mapping Digital Preservation and Research Data Management Concepts towards Collective Curation and Preservation Strategies](#)
- ["You say potato, I say potato" Mapping Digital Preservation and Research Data Management Concepts towards Collective Curation and Preservation Strategies](#)

data



# Results

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Table

Score



Score:  
925.65

## International Journal of Digital Curation

By: University of Edinburgh

Keywords: digital access, digital preservation, research data management

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Keywords: data literacy and education, data sharing, escience librarianship, research data curation, research data management, research data services

Score:

## RECIIS

# Results

Filter Export List Table Score ▾

Journal	Score	Publisher	Maximum publication fees (APCs)	Language(s)	Author retains copyright	Article receives DOI	Peer review method	Average publication time	Plan S compliance
<a href="#">International Journal of Digital Curation</a>	925.65	University of Edinburgh	-	EN	✓	✓	Double blind peer review	30	✓
<a href="#">Liber Quarterly: The Journal of European Research Libraries</a>	490.41	openjournals.nl	-	EN	✓	✓	Double blind peer review	6	✗
<a href="#">Data Science Journal</a>	135.29	Ubiquity Press	350 GBP (approx. 408.88€)	EN	✓	✓	Blind peer review	10	✓
<a href="#">Journal of eScience Librarianship</a>	129.97	University of Massachusetts Medical School, Lamar Soutter Library	-	EN	✓	✓	Double blind peer review	16	✓
<a href="#">RECIIS</a>	86.59	Instituto de Comunicação e Informação Científica e Tecnológica em Saúde (Icict) da Fundação Oswaldo Cruz (Fiocruz)	-	PT, ES, EN	✓	✓	Double blind peer review	52	✗
<a href="#">Biblios</a>	85.07	University Library System, University of Pittsburgh	-	PT, ES	✓	✓	Peer review	10	✓



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## [RECIIS](#)

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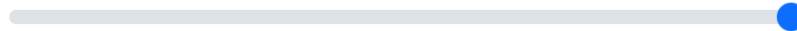


Author retains copyright

**Average publication time:** 52 weeks



**Maximum publication fees (APCs):** 2500 €



**Select subject**

None



**Select peer review method**

- Blind peer review
- Committee review
- Double blind peer review
- Open peer review
- Peer review

**Select keywords**

- 3d technology
- agricultural sciences
- agriculture
- agrochemistry
- agroecology
- agronomy
- algebra
- analytical chemistry
- ancient history and archaeology
- applied physics
- archaeological heritage
- archaeological sensing technologies

✖ Reset filters

Score:

025.65

[International Journal of Digital Curation](#)

Open University of Edinburgh

# Results

Filter

Export

List

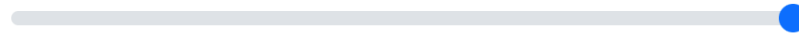
Table

Score



Author retains copyright

Average publication time: 52 weeks



Maximum publication fees (APCs): 0 €



## Select subject

Bibliography. Library science. Information resources

## Select peer review method

- Blind peer review
- Committee review
- Double blind peer review
- Open peer review
- Peer review

## Select keywords

- 3d technology
- agricultural sciences
- agriculture
- agrochemistry
- agroecology
- agronomy
- algebra
- analytical chemistry
- ancient history and archaeology
- applied physics
- archaeological heritage
- archaeological sensing technologies

✖ Reset filters

Score:

925.65

[International Journal of Digital Curation](#)

By: University of Edinburgh

Keywords: digital access, digital preservation, research data management



# Results

[Filter](#)[Export](#)[List](#)[Table](#)[Score](#)

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Keywords: data literacy and education, data sharing, escience librarianship, research data curation, research data management, research data services

Score:  
85.07

## [Biblios](#)

By: University Library System, University of Pittsburgh

Keywords: information science, librarianship

## [Code4lib Journal](#)

# Results

[Filter](#)[Export](#)[List](#)[Table](#)

Score



Score:  
925.65

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Keywords: digital access, digital preservation, research data management

Score:  
490.41

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85.07

## [Biblios](#)

By: University Library System, University of Pittsburgh

Keywords: information science, librarianship

## [Code4lib Journal](#)

# Liber Quarterly: The Journal of European Research Libraries

Published by: [openjournals.nl](https://openjournals.nl)

Average publication time: 6 weeks

Language(s): EN

Author retains copyright: ✓

Article receives DOI: ✓

Peer review method: Double blind peer review

License(s): CC BY

Maximum publication fees (APCs): None

Plan S compliance: ✗

In DOAJ since: 9/29/2004

[Website](#)

[Author instructions](#)

[Aims & scope](#)

[Editorial Board](#)

## Subjects:

Bibliography. Library science. Information resources

## Keywords:

european research libraries

information sciences

library management

library sciences

scholarly communication



# B!SON-Projekt: Zielsetzung

- ▣ **Tool zur Unterstützung von Forschenden**
  - ▣ auch: Unterstützung von Publikationsberatenden/Bibliotheken
  
- ▣ Beitrag zum Ökosystem offener wissenschaftlicher Infrastrukturen
  - ▣ Gewährleistung der Nachhaltigkeit u.a. durch Einbindung weniger großer, offener Datenquellen
  
- ▣ fachlicher Austausch / Community-Arbeit
  - ▣ unterstützende Einrichtungen
  - ▣ datengebende Partner → Datenqualität
  
- ▣ methodische Erkenntnisse
  - ▣ bibliometrische vs. semantische Ähnlichkeit



Photo (Ausschnitt): Arturo de Frias Marques, [CC BY-SA 4.0](#), via [Wikimedia Commons](#)

## Projektpartner



## Datengebende Partner



## Förderung



Förderlinie: „Beschleunigung der Open-Access-Transformation“

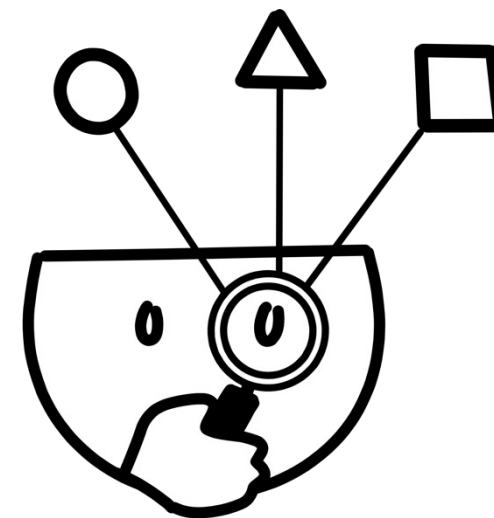
# Unterstützende Einrichtungen





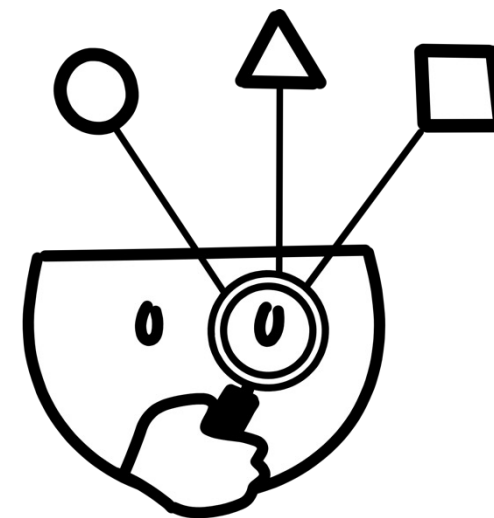
# Anforderungsanalyse | Vorgehen

- Wissenschaftler:innen
  - Online-Umfrage (SoSci Survey)
  - 884 Datensätze ausgewertet
  - breite Abdeckung Disziplinen, Erfahrungsstufen (years in science, number of papers)
- Publikationsberatung an Bibliotheken
  - qualitative Interviews
- Verlage, Publikationsplattformen, scholar-led journals
  - explorative Interviews



# Anforderungsanalyse | Erkenntnisse

- Anhaltspunkte für Spezifikation des Empfehlungssystems
  - Filter, Journalprofile, lokale Einbindung/Anpassung
  - z.B. Nutzungsrechteverbleib, Publikationskosten, DOI, Vertrauenswürdigkeit
- Heterogenität: Disziplin, Karrierestufe, Einrichtungstyp
- Community-Faktor, Personen als Qualitätsmerkmal



# Feedback zur Betaversion

- Funktionalität
  - Empfehlungsalgorithmus
  - zugrundeliegende Daten
- Usability
- (Design)



Photo: PD-USGov-Interior-FWS, Public domain, via [Wikimedia Commons](#)

# Herausforderungen und Perspektiven

- Datenqualität/-aktualität/-vollständigkeit
- Algorithmus-Finetuning
  - Schwellwerte für bibliometrische und semantische Verfahren
  - Gewichtung der Ähnlichkeitsmaße für Titel/Abstract/Referenzen
  - Stoppwortlisten
- Bekanntmachung bei Wissenschaftler:innen
- B!SON als Basistechnologie
  - weitere Anwendungsfälle
  - andere Datenquellen





# B!SON

Betaversion: <https://service.tib.eu/bison>

Projektwebsite: <https://projects.tib.eu/bison>

Kontakt: [bison@tib.eu](mailto:bison@tib.eu)

Hartwig, Josephine, & Eppelin, Anita. (2021). Welche Journaleigenschaften sind für Wissenschaftler\*innen bei der Journalauswahl für ihre eigenen Publikationen entscheidend? Ergebnistabellen einer Online-Umfrage [Data set]. Zenodo. <https://doi.org/10.5281/zenodo.5412197>

EIN PROJEKT VON



GEFÖRDERT VOM



Bundesministerium  
für Bildung  
und Forschung

FÖRDERKENNZEICHEN: 16TOA034A



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www.opensciencefestival.de



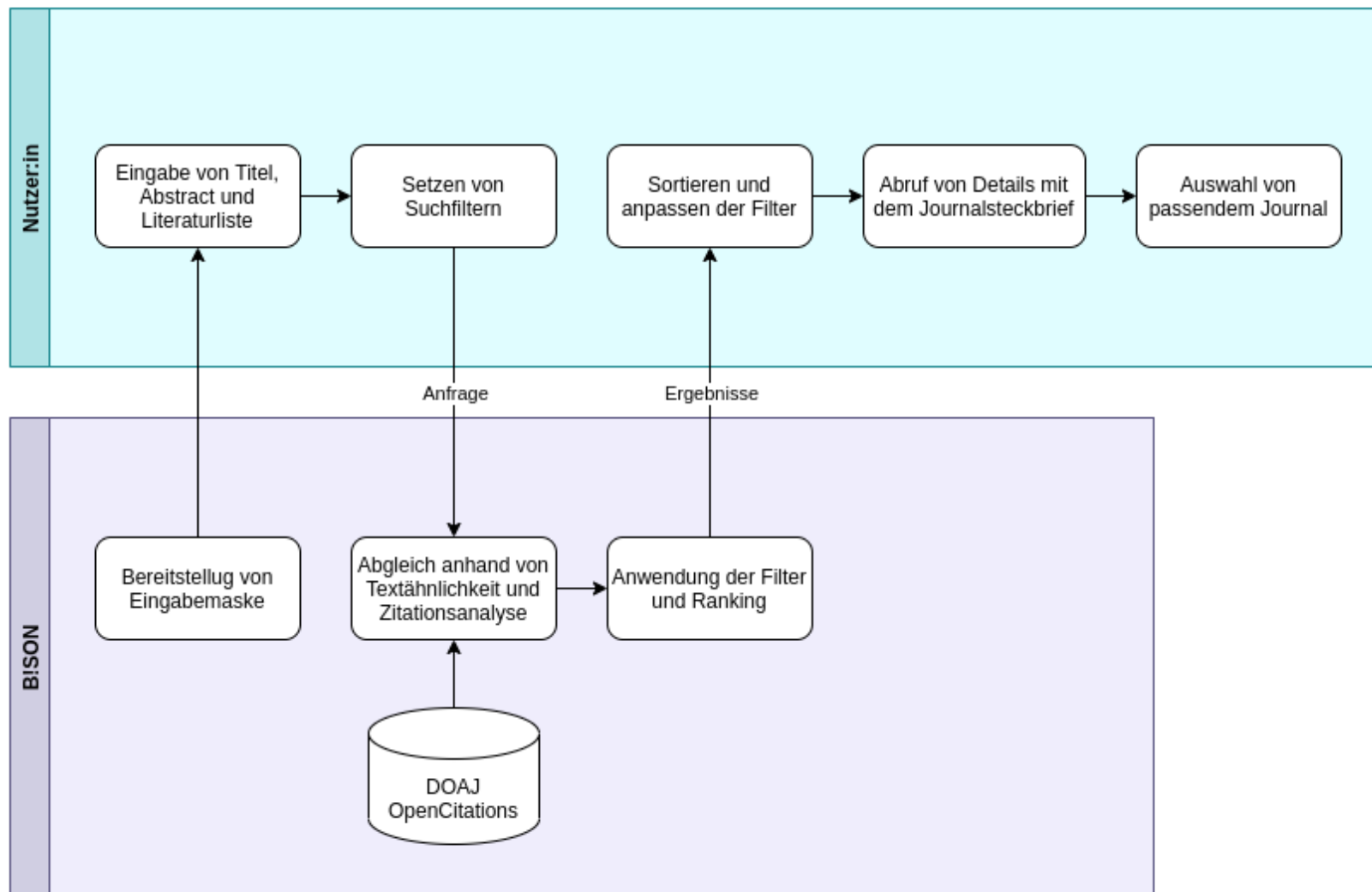
# OPEN SCIENCE FESTIVAL

M.E.E.T. S.H.A.R.E. I.N.S.P.I.R.E. C.A.R.E.

30. — 31.8.2022

Hannover

# B!SON – Funktionsweise



# B!SON – Funktionsweise

