



Central Library Services

IAS-7, 24.02.2025 | Bernhard Mittermaier, Ines Schmahl and Monika Hotze (ZB)



OVERVIEW

- Publication fund/fee coverage
- Research data management (rdm) and research funders
- Professional tools for literature and data research

Who is eligible?

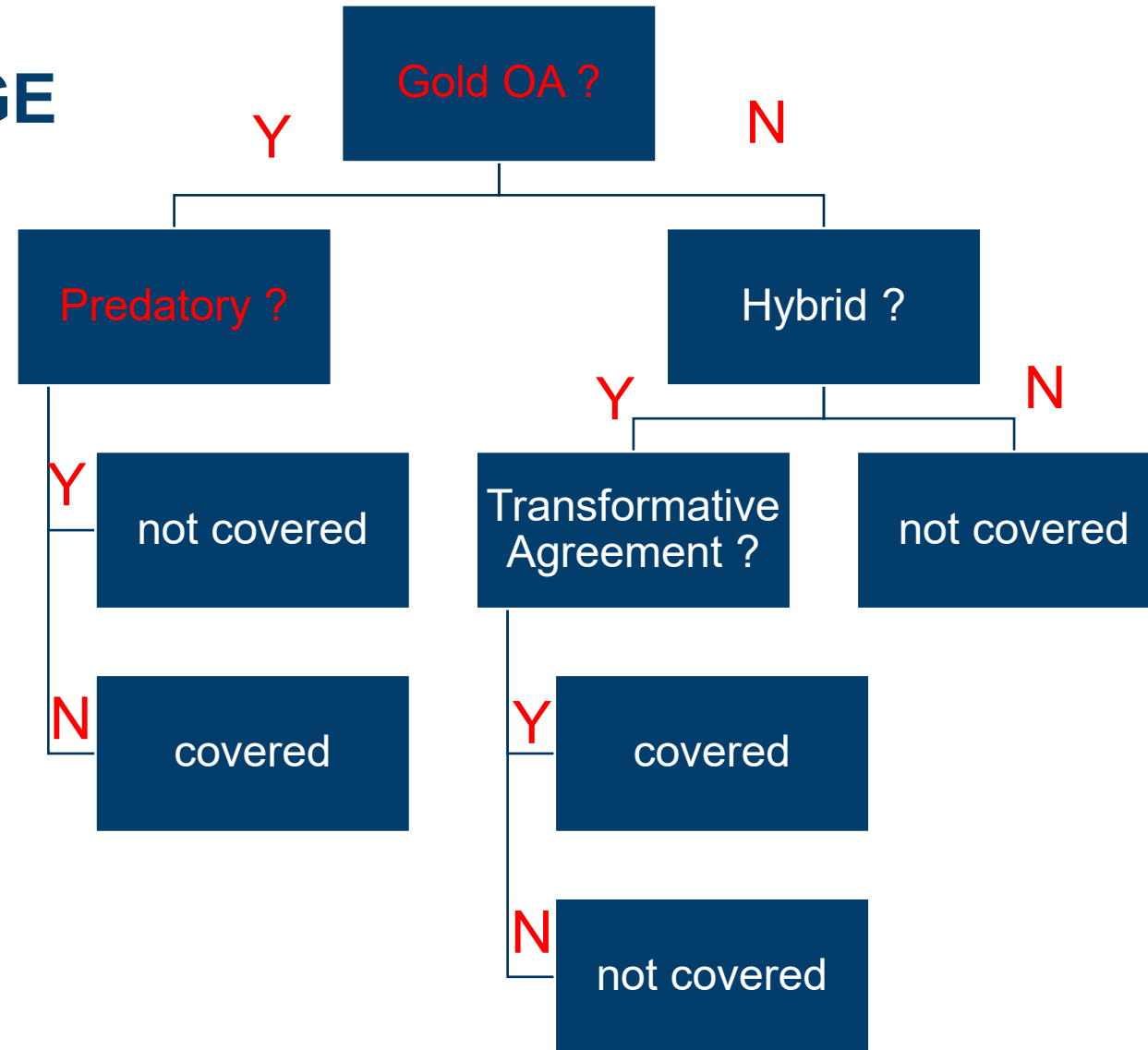
The following applies to publications to be paid for by Forschungszentrum Jülich:

- The corresponding author must be from Forschungszentrum Jülich. If there are several corresponding authors, the costs should ideally be shared between the institutions involved. If this is not possible or can only be achieved with great difficulty, Forschungszentrum Jülich will bear the full costs.
- If the corresponding author has several affiliations, Forschungszentrum Jülich must be listed as the first affiliation.
- The email address provided must be a Forschungszentrum Jülich email address.

Open Access Strategy of Forschungszentrum Jülich

<https://intranet.fz-juelich.de/en/organization/zb/news/2022/open-access-strategy-from-2023-2022-12-19>


COST COVERAGE



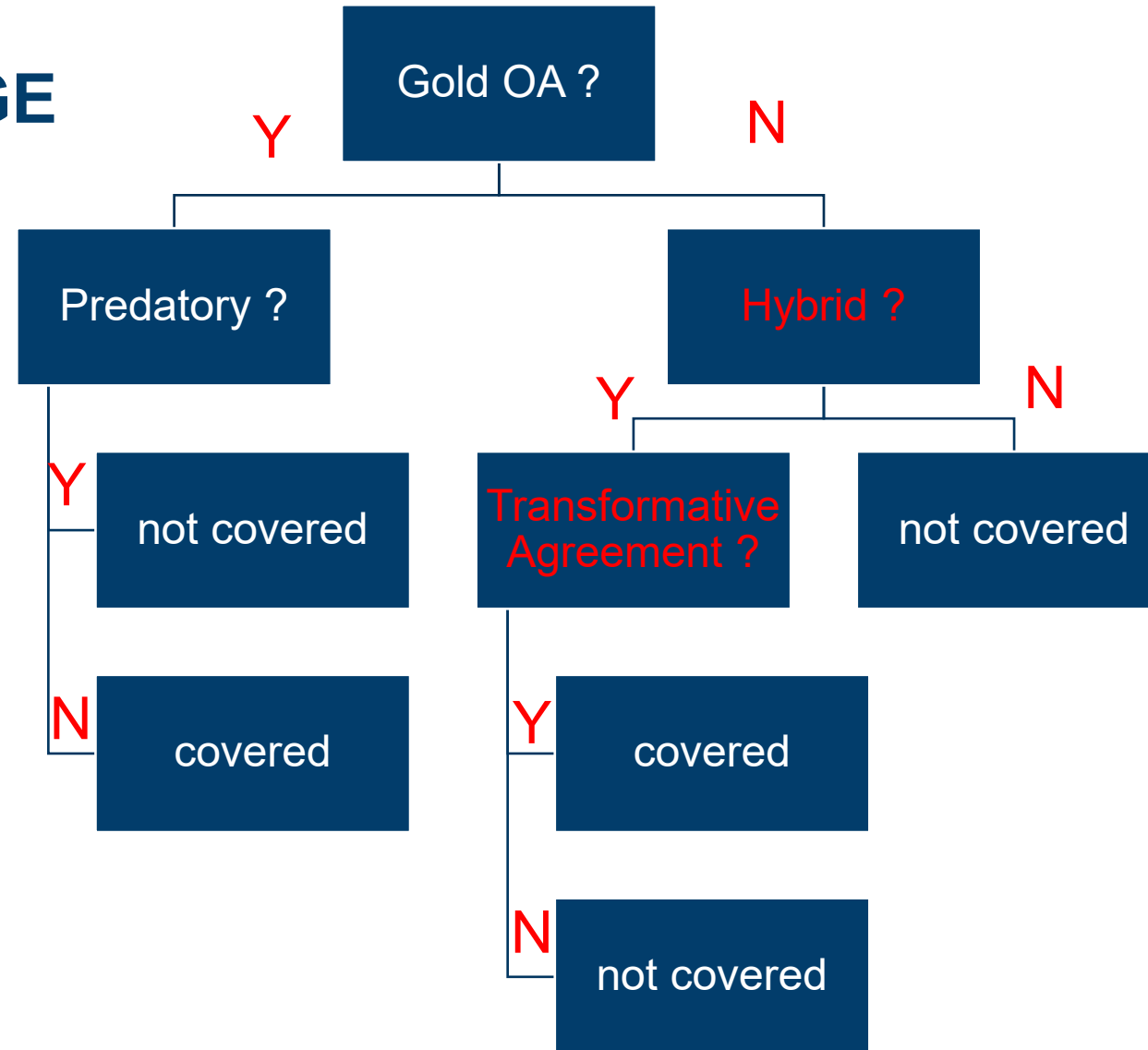
https://intranet.fz-juelich.de/en/organization/zb/expertise/open_access/publication_fund

LEGITIMATE PUBLISHERS VS. PREDATORY PUBLISHERS

https://intranet.fz-juelich.de/en/organization/zb/expertise/scientific_publishing/predatory_publishers/predatory_journals

Gold Open Access Journals	Directory of Open Access Journals https://doaj.org/
Open Access cooperations	https://intranet.fz-juelich.de/de/organisation/zb/leistungen/open_access/oa_publicationsgebuehren_kooperationen
Cost coverage	JuLib extended https://julib.fz-juelich.de/vufind/ 

COST COVERAGE




https://intranet.fz-juelich.de/en/organization/zb/expertise/open_access/publication_fund

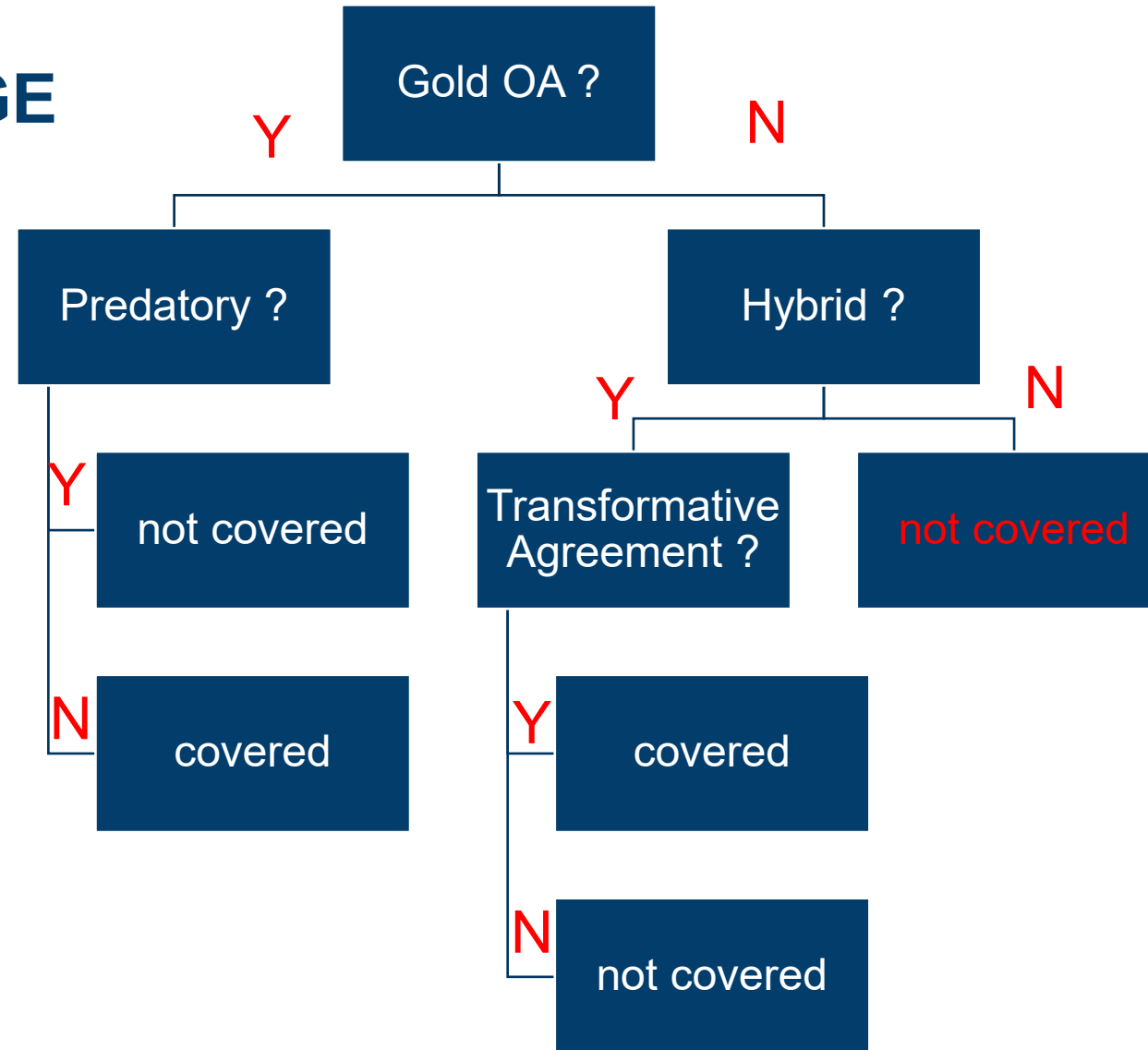
TRANSFORMATIVE AGREEMENTS

“Transformative agreements are those contracts negotiated between institutions (libraries, national and regional consortia) and publishers that transform the business model underlying scholarly journal publishing, moving from one based on toll access (subscription) to one in which publishers are remunerated a fair price for their open access publishing services.”

<https://www.coalition-s.org/faq/what-is-a-transformative-agreement/>

Journal is part of a transformative agreement	OAM Open Access Monitor https://open-access-monitor.de/publications
Open Access cooperations	https://intranet.fz-juelich.de/de/organisation/zb/leistungen/open_access/oa_publicationsgebuehren_kooperationen
Cost coverage	JuLib e xtended https://julib.fz-juelich.de/vufind/ 

COST COVERAGE



https://intranet.fz-juelich.de/en/organization/zb/expertise/open_access/publication_fund

TYPES OF PUBLICATION FEES

Costs covered by ZB	Costs that are not covered
Gold OA Article Processing Charge (APC)	Hybrid Open Access fees „in the wild“
Hybrid OA fees in Transformative Agreements	Page Charges
	Colour Charges
	Offprints
	Cover illustrations

Central Library handles the ordering and invoicing of **all** publication fees with the publishers, regardless of whether the costs are paid by the publication fund managed by ZB or charged to the cost center of the Corresponding Author.

Checklist: https://intranet.fz-juelich.de/en/organization/zb/downloads/checklist_publication_charges

IAS-7 PUBLICATION FEES 2024

Type	Price	Status	Cost centre	Institute	Corresponding author	Title	DOI	Publisher	Journal	Publication year
Hybrid-OA	0.00	DEAL	ZB	IAS-7	Subaih, Rudina*	Modeling pedestrian sim	10.1016/j.phy	Elsevier	Physica / A	2024
Hybrid-OA	0.00	DEAL	ZB	IAS-7	Arnold, Lukas*	Remote Sensing of the	10.1007/s106	Springer	Fire technology	2024
Hybrid-OA	0.00	DEAL	ZB	IAS-7	Arnold, Lukas*	The influence of experi	10.1016/j.fire	Elsevier	Fire safety journal	2024
Hybrid-OA	0.00	DEAL	ZB	IAS-7	Arnold, Lukas*	Extinction coefficients f	10.1016/j.fire	Elsevier	Fire safety journal	2024
Hybrid-OA	0.00	DEAL	ZB	IAS-7	Arnold, Lukas*	Sensitivity analysis for a	10.1016/j.fire	Elsevier	Fire safety journal	2024
APC	2476.84	Zahlung erfolgt	ZB	IAS-7	Cordes, Jakob*	Dimensionless number	10.1093/pnas	Oxford University Press	PNAS nexus	2024
Hybrid-OA	0.00	DEAL	ZB	IAS-7	Adrian, Julianne*	Temporal segmentation	10.1016/j.ssc	Elsevier	Safety Science	2024
APC	1345.46	Zahlung erfolgt	ZB	IAS-7	Alia, Ahmed*	A novel Voronoi-based	10.1007/s407	Springer Nature	Complex & intelligent systems	2024
Hybrid-OA	0.00	DEAL	ZB	IAS-7	Lannoye, Karen De*	The Tube Furnace with	10.1007/s106	Springer	Fire technology	2024
Hybrid-OA	0.00	DEAL	ZB	IAS-7	Arnold, Lukas*	A waypoint based appro	10.1016/j.fire	Elsevier	Fire safety journal	2024

All fees were paid by ZB.

AUTHOR JOURNEY ON SUBMISSION (Elsevier - DEAL)

- Corresponding author receives an email post acceptance with a unique link to complete the author journey and choose publishing options
- Corresponding author selects his/her affiliation details which Elsevier uses to identify the authors and match them to the DEAL agreement
- Corresponding author also adds the co-author affiliation details
- Author can add the Funder details. Funder can be the affiliated institution or a different one.

Publishing options in a Hybrid journal

Gold Open Access

☒ Publish as an Open Access article

Because you are affiliated with (institution), your open access publishing fee is covered under the agreement between the [DEAL Consortium and Elsevier](#).

- Only submitting corresponding authors are eligible, and your affiliation will be verified by your institution above
- Please make sure this institution is stated as your affiliation in your manuscript
- You will not be invoiced by Elsevier or DEAL but some institutions may pass on some or all of the publishing fees to authors. You may wish to check your institutional policy with your local library or OA officer

For more information visit [DEAL Consortium page](#).

Please contact [DEAL-Elsevier Publishing](#) if you do not wish to publish open access.

DEAL Agreement Fee	
Price	EUR 2,550.00
DEAL Agreement Coverage	- 2,550.00
<hr/>	
To pay (on validation)	0.00
<small>If your institution cannot verify your affiliation, you will receive a full price invoice for EUR 5,340.00 (ex. VAT), but you will still be able to choose not to publish OA free of charge if you contact Researcher Support within 2 weeks of receiving an invoice.</small>	
DEAL and Elsevier Agreement	

Publishing option in an OA journal

Gold Open Access

☒ Publish as an Open Access article

Because you are affiliated with (institution), your open access publishing fee is covered under the agreement between the [DEAL Consortium and Elsevier](#).

- Only submitting corresponding authors are eligible, and your affiliation will be verified by your institution above
- Please make sure this institution is stated as your affiliation in your manuscript
- You will not be invoiced by Elsevier or DEAL but some institutions may pass on some or all of the publishing fees to authors. You may wish to check your institutional policy with your local library or OA officer

For more information visit [DEAL Consortium page](#).

Article Publishing Charge (APC)	
Price	EUR 3,000.00
DEAL Agreement Coverage	- 3,000.00
<hr/>	
To pay (on validation)	0.00
<small>If your institution cannot confirm your affiliation, you will receive a full price invoice for EUR 3,000.00 (ex. VAT).</small>	
DEAL and Elsevier Agreement	

- System presents the author with the CC license options -> CC BY license is pre-selected (and highly recommended!)
- Author selects the CC license
- Author agrees to the Journal License Publishing Agreement

AUTHOR JOURNEY ON SUBMISSION (Elsevier - DEAL)

Once the author clicks on 'Finish':

- Corresponding author and coauthors receive a copy of summary via email
- Librarian/admin at the institution will receive a notification for validation within 48 hours who then has to validate the request (Dashboard)
- If the Librarian/admin approves the request, the author will receive the full APC coverage
- If the Librarian/admin rejects the request, the author will receive the full price invoice

For the author, the submission is now complete. ZB will then take care of the fees.

An individual invoice will not be issued.

ZB receives a collective invoice, and if it includes a publication over 3000 €, the Board of Directors' strategy takes effect.

<https://intranet.fz-juelich.de/en/organization/zb/news/2022/open-access-strategy-from-2023-2022-12-19>

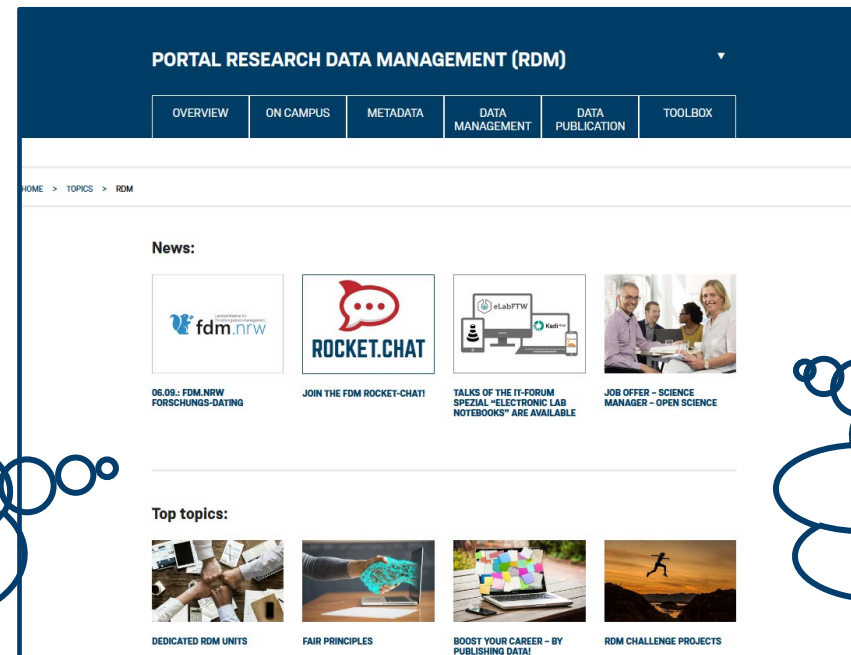
ZB must then request a transfer of the amount over 3000 €.

RESEARCH DATA MANAGEMENT PORTAL

Where can I find information?

I'm interested in training courses

I have a question.
Who can I ask?



I'm looking for tools

WHAT MAKES A GOOD DATA PUBLICATION?

A scientific publication is citable

- Choose a data repository for publishing your data
- Assign a persistent identifier like a DOI to your data publication



Institutional data repository of Forschungszentrum Jülich

A screenshot of a dataset page on the Jülich DATA repository. The page has a blue header with the Jülich DATA logo and navigation links. The main content area is white with a blue border. It features a title "Sensitivity analysis for an effective transfer of estimated material properties from cone calorimeter to horizontal flame spread simulations -- Dataset" and a subtitle "Version 1.0". Below the title is a citation: "Arnold, Lukas; Hehnen, Tristan; Quaresma, Tássia L.S., 2025, 'Sensitivity analysis for an effective transfer of estimated material properties from cone calorimeter to horizontal flame spread simulations -- Dataset', https://doi.org/10.26165/JUELICH-DATA/HKV8FH, Jülich DATA, V1". There is a "Cite Dataset" button and a link to "Learn about Data Citation Standards". On the right, there is a "Dataset Metrics" section showing "0 Downloads". At the bottom, there is a "Description" section with a paragraph about the dataset being a supplementary resource for an article in the Fire Safety Journal. Below the description are sections for "Subject", "Keyword", and "Institute", each with a small icon and a link to more information.

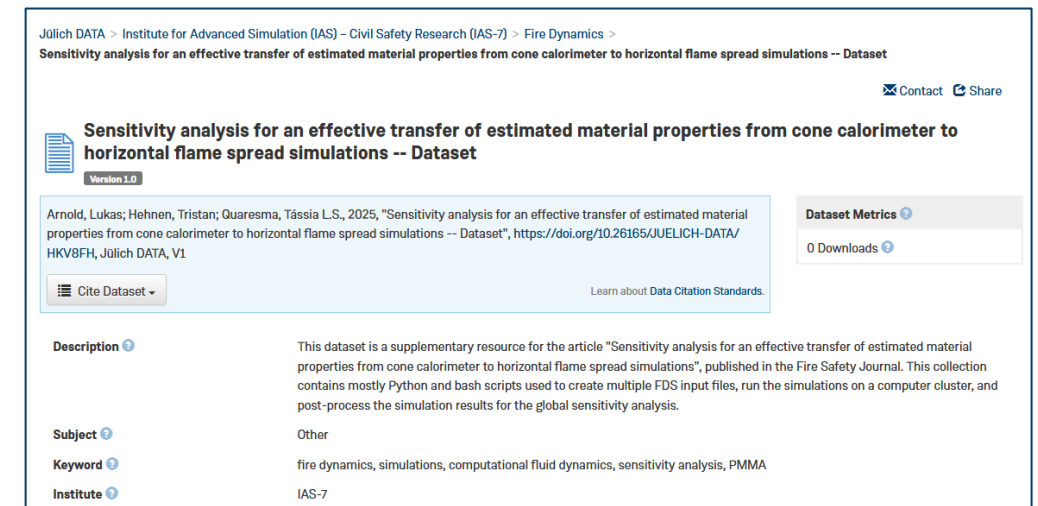
WHAT MAKES A GOOD DATA PUBLICATION?

Make the data reusable for others

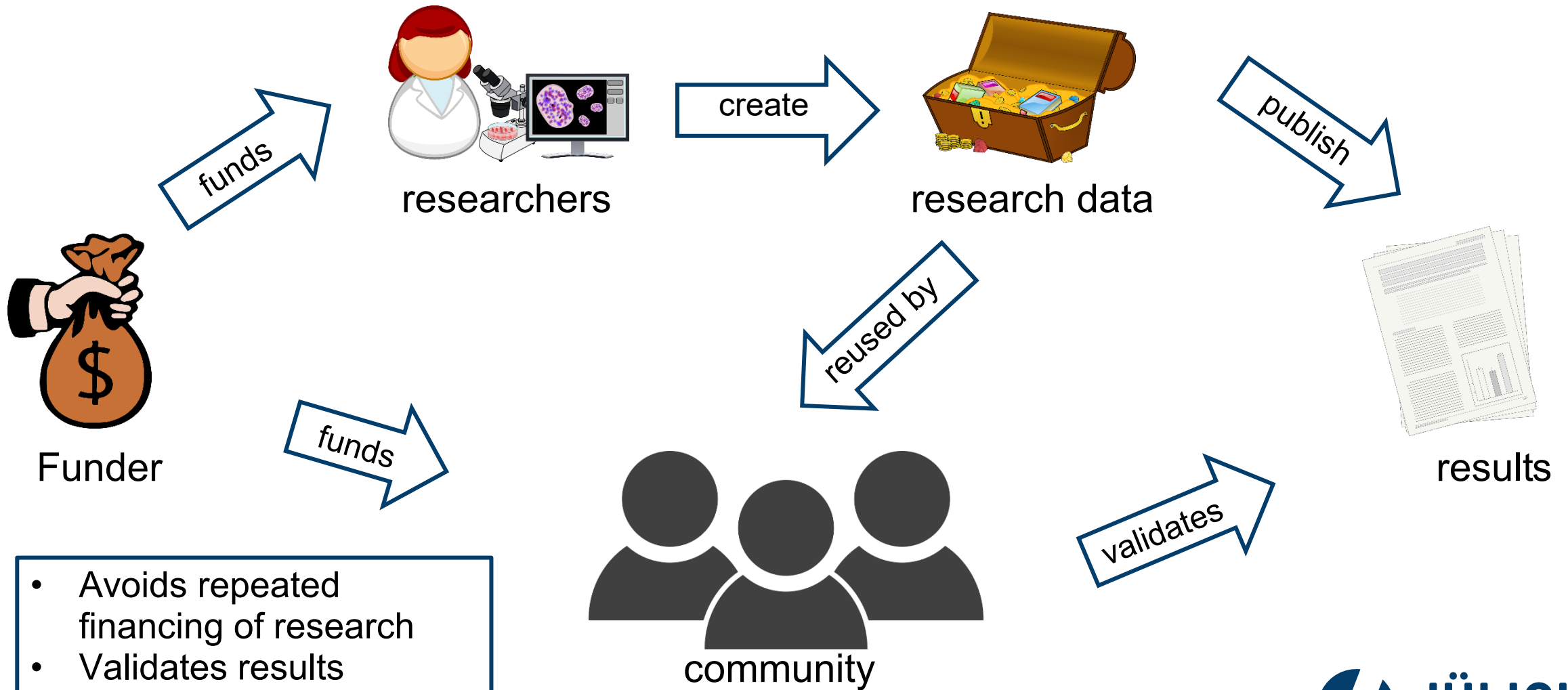
- Grant a licence of use, e.g. a Creative Commons licence
- Consider technical issues – use open file formats like .csv
- Provide provenance data



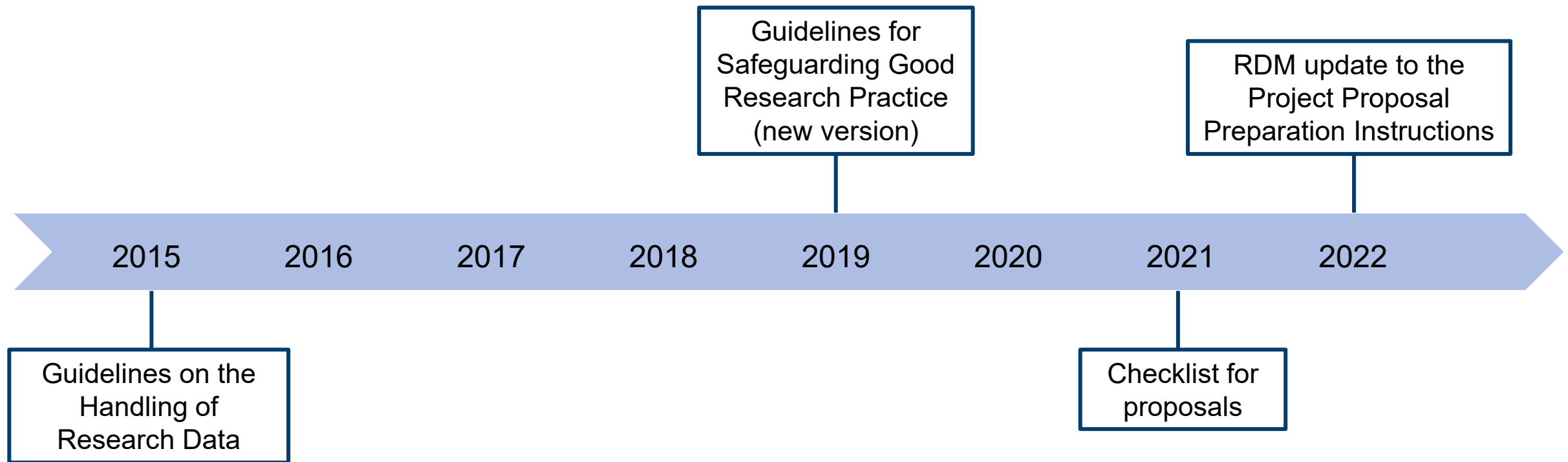
Institutional data repository of Forschungszentrum Jülich



WHY DO RESEARCH FUNDERS CARE ABOUT RDM?



RDM AND THE GERMAN RESEARCH FOUNDATION (DFG)



DFG: RDM AS PART OF THE PROPOSAL

- Describe your research data
- How are the data and the research process documented?
- Where are the data stored and ultimately archived?
- What are the legal specifics associated with the handling of research data in your project?
- Which data are archived and how?
- Who is responsible for RDM and what resources are required?

RDM IN THE EU PROGRAMME Horizon Europe



Data management plan (DMP) is required and must be submitted no later than 6 months after the start of the project



DMP must not be considered as completed => “living document”



DMP must be updated regularly and maintained

RDM IN THE EU PROGRAMME Horizon Europe



Publishing data via a repository (certified, subject-specific, generic, institutional) is mandatory



Opt-out (full or partial) is possible for reasons such as privacy, trade secrets, etc. Reasons must be explained in the DMP



Data must be labelled with a CC0 or CC-BY licence (or comparable)

DFG AND EU PROGRAMME Horizon Europe

Funding agencies	DMP required?	Submit on proposal?	Content	Updates?	Data publication required?
Horizon Europe programme	Yes	No – at latest 6 months after project start	See DMP template	Regular updates are required (see template)	Yes, in a repository and with a CC0 or CC-BY licence
DFG	No, but information about the handling of research data in proposal is required	Yes	Checklist for proposals	No	No, but recommended

GOOGLE SCHOLAR IS NOT THE ONLY OPTION: PROFESSIONAL TOOLS FOR LITERATURE AND DATA RESEARCH

Have I fully researched
the literature
on my research topic?



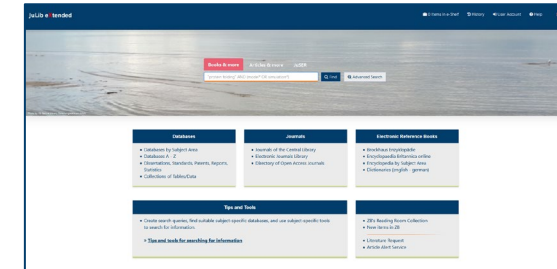
Icon made by Freepik from www.flaticon.com

How do I structure a
literature search so that
I don't miss important
literature?

ZB SERVICES

JuLib eXtended information portal

Access to scientific literature from the fields of
natural sciences and technology



Books & more

Search ZB's collection

- Download electronic literature
- Order print books



Articles & more

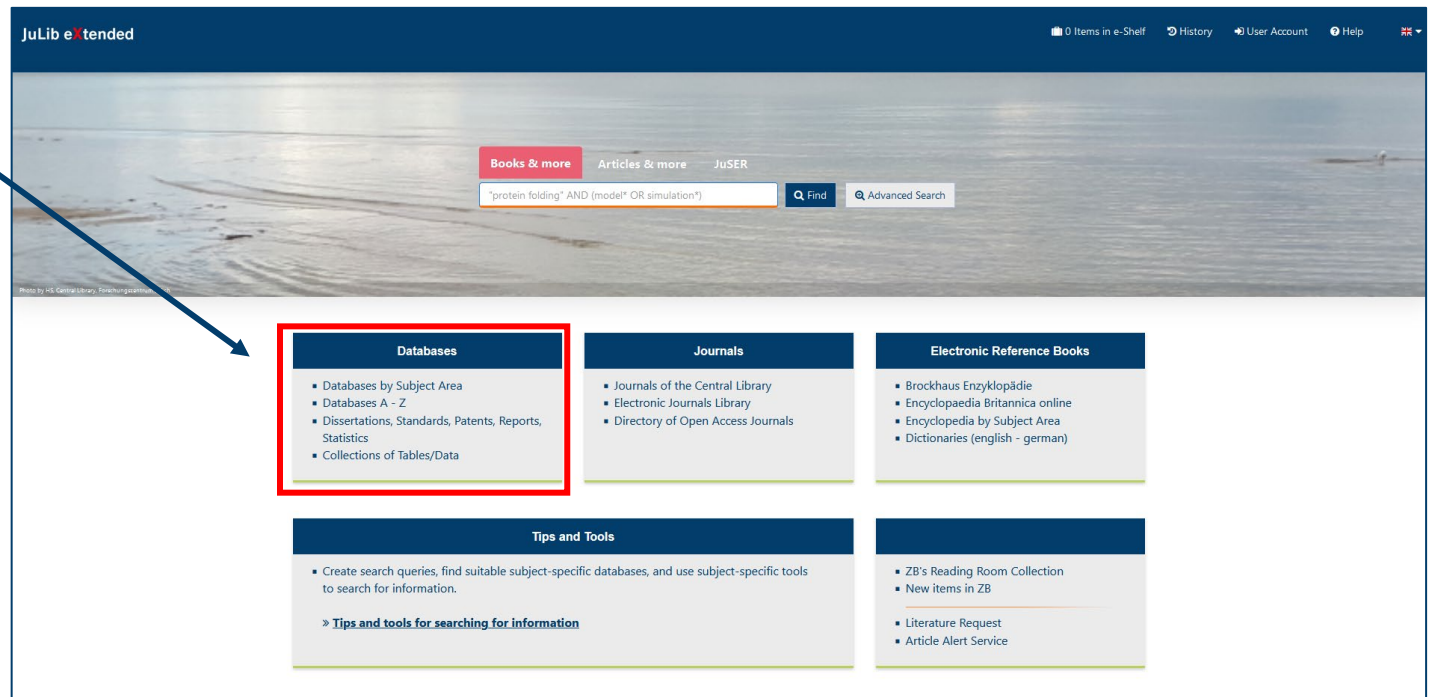
Perform a global search

- Accessibility shown
- Download link provided
- Literature request form

ZB SERVICES

Literature databases

- Provide curated content
- 2 types of databases:
 - Interdisciplinary
 - Subject-specific



BEFORE YOU START YOUR SEARCH, CONSIDER:

1. Analyze the research topic: What am I looking for?
2. Research goal: How much and what do I need?
3. Search tools: Where do I search?

It's fine to start your research with Google Scholar, but it's not a good idea to end it there.





AI TOOLS FOR LITERATURE SEARCHES

AI Tools can help to find connections, but the output needs to be evaluated.

“Analyze” study field

Google Scholar meets ChatGPT:
Tools like Consensus give you answers based on scientific literature.

Citation analysis

Tools like Litmaps visualize citation connections.

Text-Extraction

Tools like Elicit can extract and synthesize information from papers.

WEB OF SCIENCE: AN INTERDISCIPLINARY LITERATURE DATA BASE

Supports you by providing an overview of your research area

“Analyze” function

Identify:

- Highly cited articles
- Key journals
- Key authors
- Funders

Citation analysis

- Citations
- Times cited

Enriched Cited References

Context of citation:

- Background
- Basis/Use
- Support
- Differ
- Discuss

WEB OF SCIENCE: AN INTERDISCIPLINARY LITERATURE DATA BASE

Search entry

Keyword ideas

Analyse data:

- Citations
- Study fields
- Researcher profiles

Many search filters to narrow search results

4,010 results from Web of Science Core Collection for:

Crowd Behavior Analysis (All Fields)

+ Add Keywords Quick add keywords: < + crowd analysis + crowd behavior analysis + crowd behavior + crowd dynamics + crowd behaviour + crowd behav >

4,010 Documents You may also like...

Analyze Results Citation Report Create Alert

Refine results Export Refine

Search within results...

Quick Filters

- ☐ Highly Cited Papers 34
- ☐ Review Article 121
- ☐ Early Access 61
- ☐ Open Access 1,718
- ☐ Enriched Cited References 734
- ☐ Open publisher-invited reviews 4

Publication Years

Document Types

Researcher Profiles

Web of Science Categories

Citation Topics Meso

Citation Topics Micro

0/4,010 Add To Marked List Export

Relevance < 1 of 81 >

1 Crowd Behavior Analysis: A Survey

Swathi, HY; Shivakumar, G and Mohana, HS

1st IEEE International Conference on Recent Advances in Electronics and Communication Technology (ICRAECT) 2017 | 2017 INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN ELECTRONICS AND COMMUNICATION TECHNOLOGY (ICRAECT), pp.169-178

Nowadays, one of the most interesting and active research topic in computer vision is the analysis of crowd behavior. Crowd is a set of individuals gathered in a particular physical area. Analyzing crowd behavior involves many ways viz., crowd density estimation, crowd motion detection, crowd tracking and crowd behavior recognition. We provide a bri ... Show more

[Full text @ FZJ] Full Text at Publisher ...

24 Citations 67 References

Related records

2 Scale-aware CNN for crowd density estimation and crowd behavior analysis

Sharma, VK; Mir, RN and Singh, C

Mar 2023 | COMPUTERS & ELECTRICAL ENGINEERING 106

Enriched Cited References

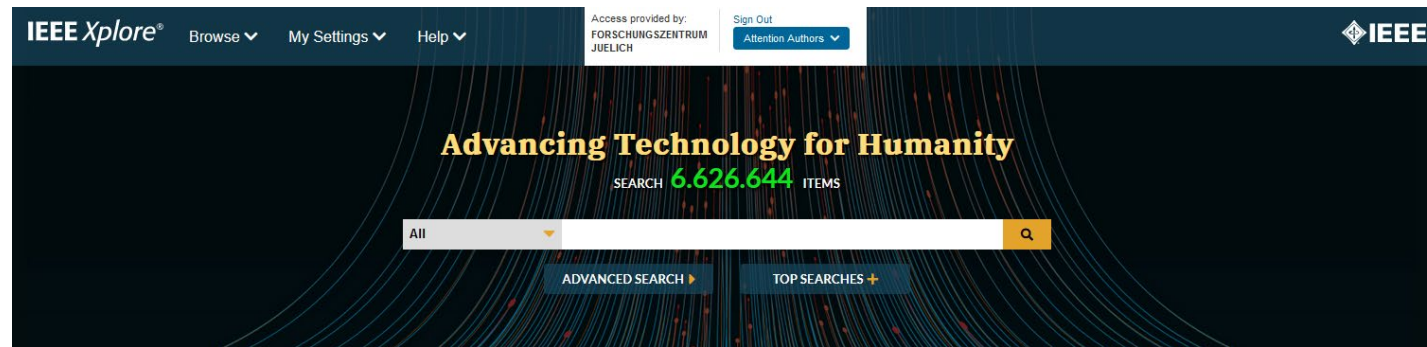
Visual surveillance is a highly demanded system in various real-time applications for civil and military sectors. For huge gatherings such as rallies and stadiums, crowd monitoring becomes a tedious task. Moreover, crowd density estimation also plays an important role to improve the performance of crowd monitoring system. Several techniques h ... Show more

[Full text @ FZJ] Full Text at Publisher ...

10 Citations 48 References

Related records

IEEE Xplore: A SUBJECT-SPECIFIC LITERATURE DATABASE



About

- Database covers publications by IEEE (Institute of Electrical and Electronics Engineers)
- Focus on technology and computer science
- Many conference proceedings

IEEE Xplore: A SUBJECT-SPECIFIC LITERATURE DATABASE

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Documents Images (Beta)

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All Results
Subscribed Content
Open Access Only

Year

Range Single Year

1968 2025

Clear Apply

Author

Affiliation

Publication Title

Publisher

Supplemental Items

Media (42)
Datasets (1)

Sign In to Save Your Search

Get notified when new research is published matching your search criteria.

Email Address Password Sign In

Forgot Password? Create Account

Select All on Page

Sort By Relevance

A review on abnormal crowd behavior detection

Krutika Rohit; Kinjal Mistree; Jenish Lavji

2017 International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS)

Year: 2017 | Conference Paper | Publisher: IEEE

Cited by: Papers (14)

Abstract HTML PDF CC BY

Direction, Velocity, Merging Probabilities and Shape Descriptors for Crowd Behavior Analysis

Rakhshenda Javid; M. Mohsin Riaz; Abdul Ghafoor; Naveed Iqbal Rao

IEEE Access

Year: 2019 | Volume: 7 | Journal Article | Publisher: IEEE

Cited by: Papers (4)

Abstract HTML PDF CC BY

Study of the Crowd Behavior in Campus Based on WIFI Probe and Time Series Analysis

Liang Wei Chen; Zhi Gang Chen; Chong Xing Huang; Yong Qiu Lu; Jing Jing Yang; Ming Huang

2020 XXXIIIrd General Assembly and Scientific Symposium of the International Union of Radio Science

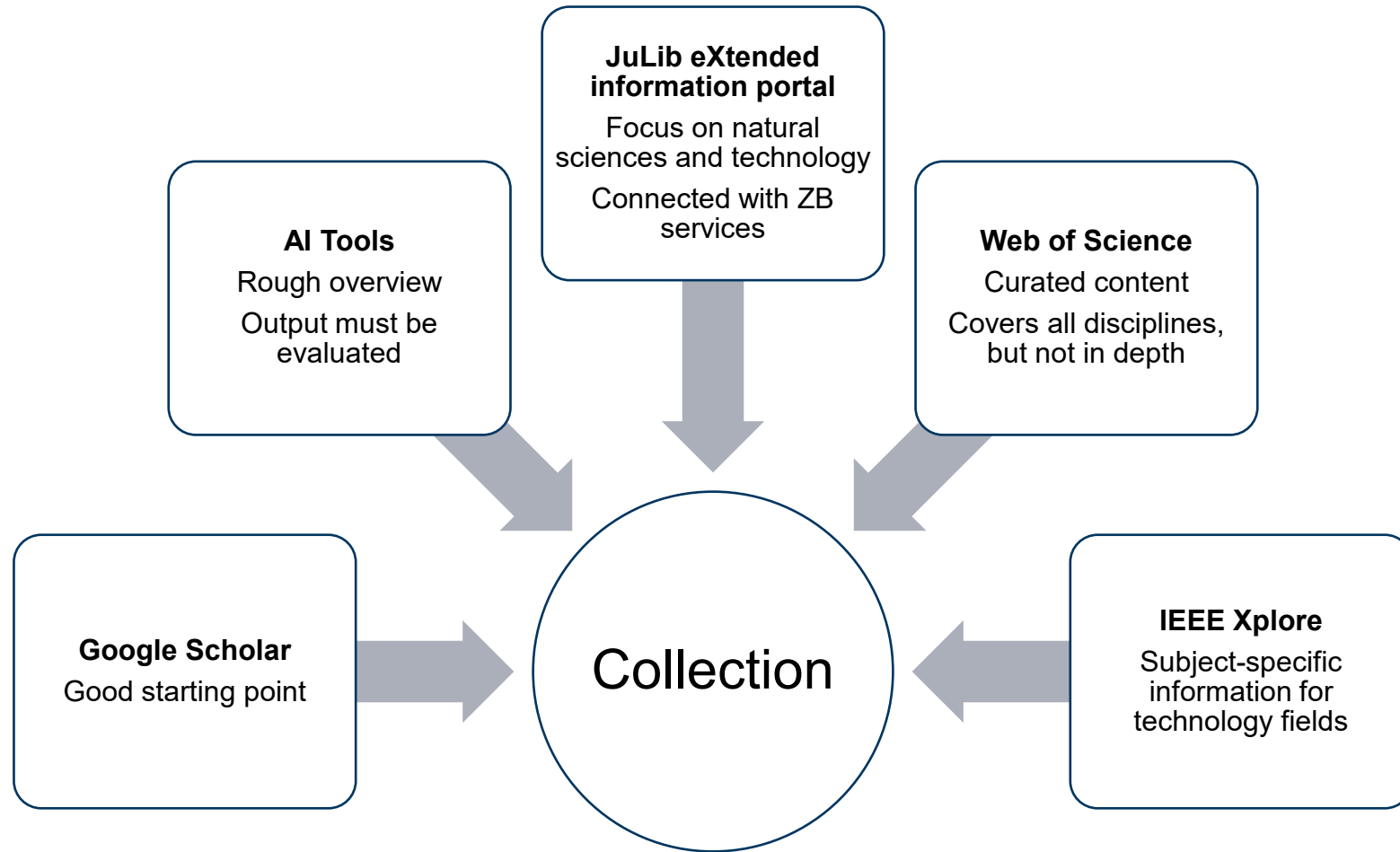
Year: 2020 | Conference Paper | Publisher: IEEE

Additional keywords

Keywords
Keywords assist with retrieval of results and provide a means to discovering other relevant content. Learn more.
IEEE Keywords
Algorithm design and analysis, Video surveillance, Feature extraction, Object tracking, Technological innovation, Communication systems
Index Terms
Abnormal Behavior, Detection Of Abnormalities, Crowd Behavior, Abnormal Crowd Behavior, Video Surveillance, Behavioral Tracking, People Counting, Computer Vision Area, People Tracking, Number Of People, Support Vector Machine, Expectation Maximization, Direct Approach, Direction Of Motion, Gaussian Mixture Model, Video Sequences, Particle Filter, Object Tracking, Indirect Approach, Illumination Changes, Crowded Scenes, Label Distribution, Behavior Recognition, Abnormal Motility, Mixing Behavior, Crowd Density
Author Keywords
Crowd scenes, Crowd analysis, Crowd behavior analysis, Abnormal behavior, Behavior recognitions

Filter for
media types

MY OWN LITERATURE COLLECTION



CONTACT

For questions about the presentation

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Email: b.mittermaier@fz-juelich.de

Monika Hotze

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Email: m.hotze@fz-juelich.de

Ines Schmahl

Tel: 6889

i.schmahl@fz-juelich.de



Information and advice at the Central Library

Email: zb-auskunft@fz-juelich.de

LINKS

Search services

JuLib eXtended information portal

<https://julib.fz-juelich.de/vufind/#>

AI Tools for Literature Searches

https://intranet.fz-juelich.de/en/organization/zb/expertise/scientific_publishing/literature-searches-ai

Web of Science

<https://www.webofscience.com/wos/woscc/basic-search>

Web of Science — Enriched Cited References — Citation Function Class

<https://webofscience.zendesk.com/hc/en-us/articles/27713957430033-Enriched-Cited-References-Citation-Function-Class>

IEEE Xplore

<https://ieeexplore.ieee.org/Xplore/home.jsp>

DataCite Commons (discovery service that connects objects assigned with PIDs, such as DOIs)

<https://commons.datacite.org/>

LINKS

RDM

Research Data Management portal (intranet)

<https://intranet.fz-juelich.de/en/topics/rdm>

FAIR Principles (intranet)

<https://intranet.fz-juelich.de/en/topics/rdm/metadata/quality-control/fair-principles>

DFG

DFG Guidelines on the Handling of Research Data

<https://www.dfg.de/resource/blob/172098/b08fcad16f1ff5ddca967f1ebde3a8c3/guidelines-research-data-data.pdf>

Guidelines for Safeguarding Good Research Practice

<https://wissenschaftliche-integritaet.de/en/code-of-conduct/>

Checklist Regarding the Handling of Research Data

<https://www.dfg.de/resource/blob/174736/92691e48e89bf4ac88c8eb91b8f783b0/forschungsdaten-checkliste-en-data.pdf>

Proposal Preparation Instructions — Project Proposals [03/24] (see Section 2.4)

<https://www.dfg.de/resource/blob/168314/9c1a931f2b58c0ec2ccfa7023fb687c7/54-01-en-data.pdf>

LINKS

EU programme Horizon Europe

What is Horizon Europe?

https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe_en

Deutsches Portal für Horizon Europe

<https://www.horizont-europa.de/>

Horizon Europe Programme Guide

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/programme-guide_horizon_en.pdf


Data management plan template

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/temp-form/report/data-management-plan_he_en.docx

IMAGE SOURCES

Image	Licence	URL	Author
	Pixabay	https://pixabay.com/de/vectors/recyclen-gr%C3%BCn-erde-umwelt-%C3%B6kologie-29227/	Clker-Free-Vector-Images
	Pixabay	https://pixabay.com/de/vectors/analyse-biologie-zelle-zellkultur-2025834/	OpenClipart-Vectors
	Pixabay	https://pixabay.com/de/vectors/beutel-bargeld-geld-zahlen-zahlung-158886/	OpenClipart-Vectors
	Pixabay Lizenz	https://pixabay.com/vectors/group-together-teamwork-icon-1824146/	IO-Images
	CC-BY	Based on https://pixabay.com/vectors/date-calendar-blank-306363/	Ines Schmahl (editor) Clker-Free-Vector-Images (author)
	Pixabay	https://pixabay.com/de/vectors/b%C3%A4umchen-pflanze-w%C3%A4chst-s%C3%A4mling-154734/	OpenClipart-Vectors
	Pixabay	https://pixabay.com/vectors/update-new-fresh-turn-888512/	Media Design and Media Publishing
	Pixabay	https://pixabay.com/de/vectors/recyclen-gr%C3%BCn-erde-umwelt-%C3%B6kologie-29227/	Clker-Free-Vector-Images

IMAGE SOURCES

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	Pixabay	https://pixabay.com/de/vectors/recyclen-gr%C3%BCn-erde-umwelt-%C3%B6kologie-29227/	Clker-Free-Vector-Images