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**OPEN PEER REVIEW FOR A TRANSPARENT
AND ENGAGING SCIENTIFIC ENVIRONMENT:
TOWARDS A FAIR JOURNAL**

The Lower Decks Conference - 07.09.2023

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Hi, we are from Darmstadt...

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„It's close to Frankfurt!“

...and we
brought
Janeway there!



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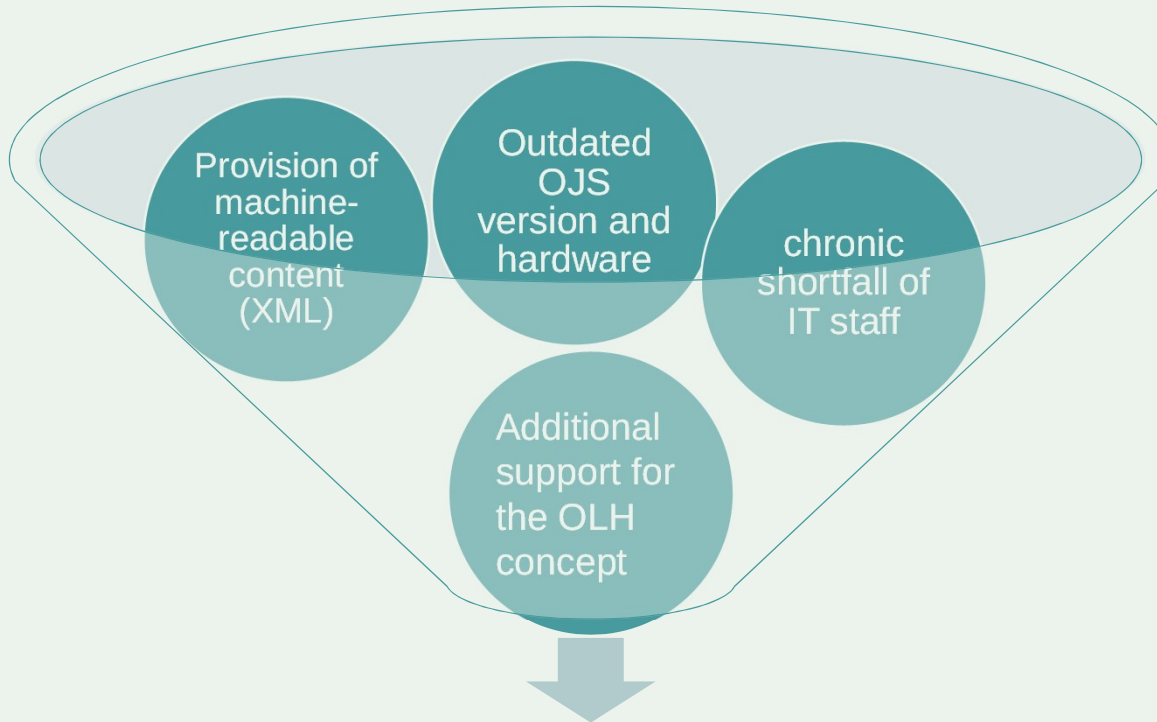


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Reasons for switching from OJS to Janeway

To Boldly Go Where No (Hu)Man Has Gone Before



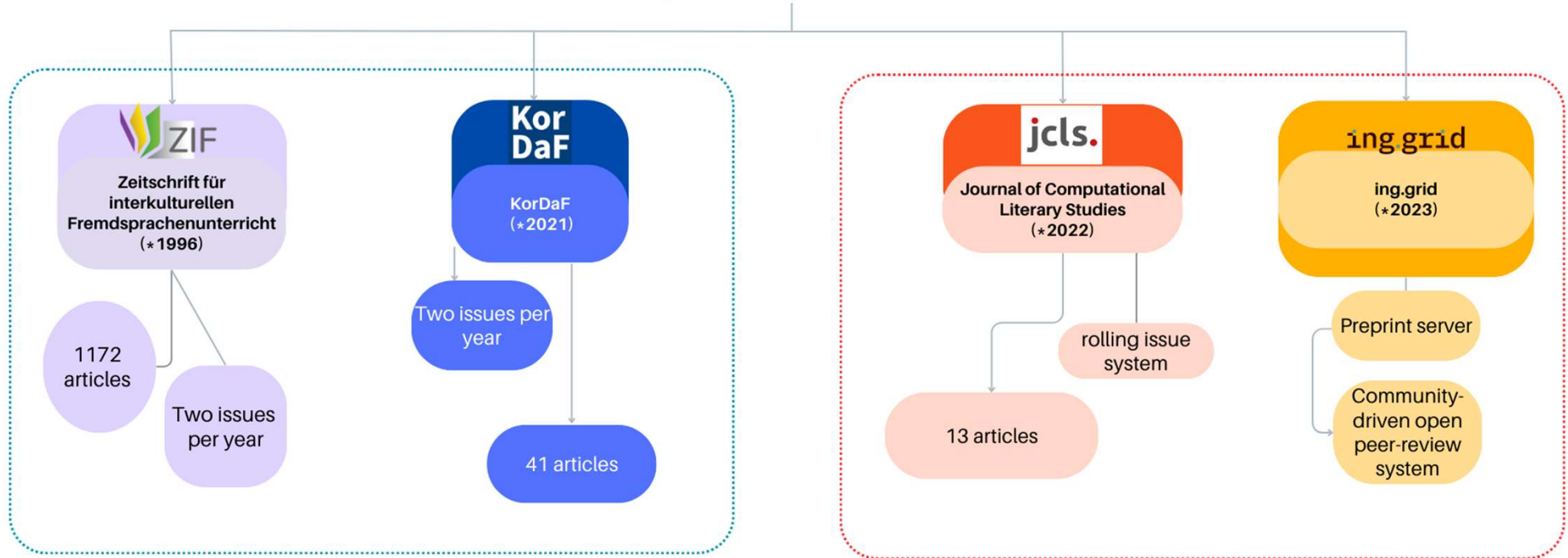
TU Darmstadt is the first university in Germany to empower scholar-led Diamond OA journals with a Janeway Press



The TUJournals Quadrant

There's coffee in that nebula

tu journals





**FAIR Data Management
in Engineering
Sciences**

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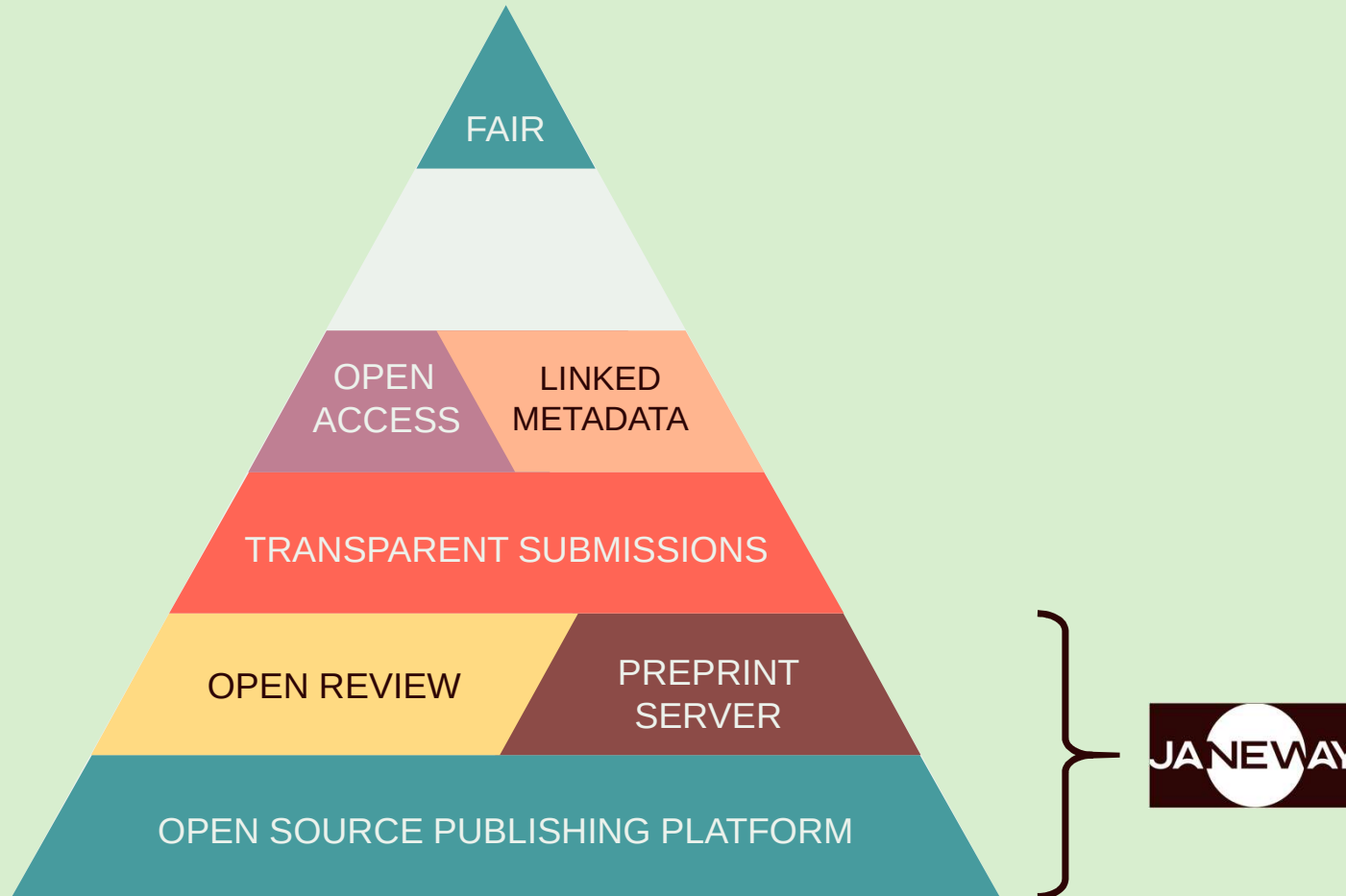
discussed

and presented

in a FAIR Journal






Building blocks of a FAIR Journal



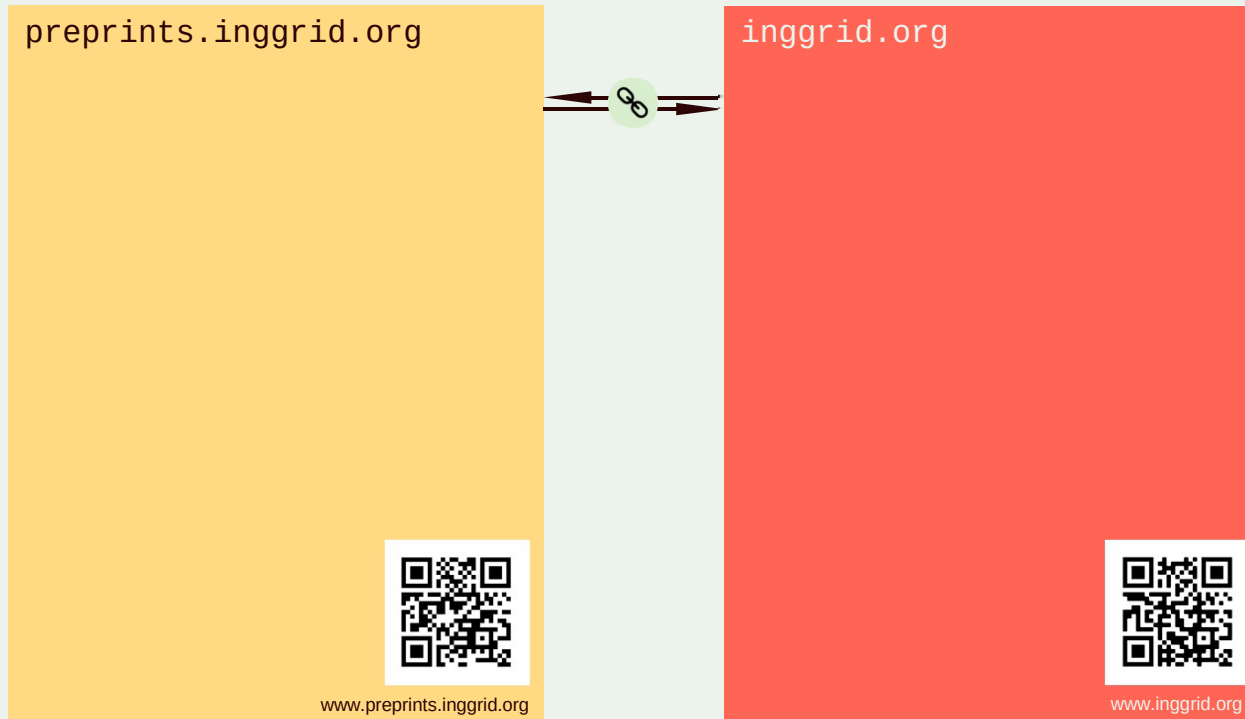


Summary of Submission Types

			
submission type	manuscript	software	data
mandatory material	manuscript	software descriptor link to software	data descriptor link to data
optional material	link to software link to data	link to data	link to software

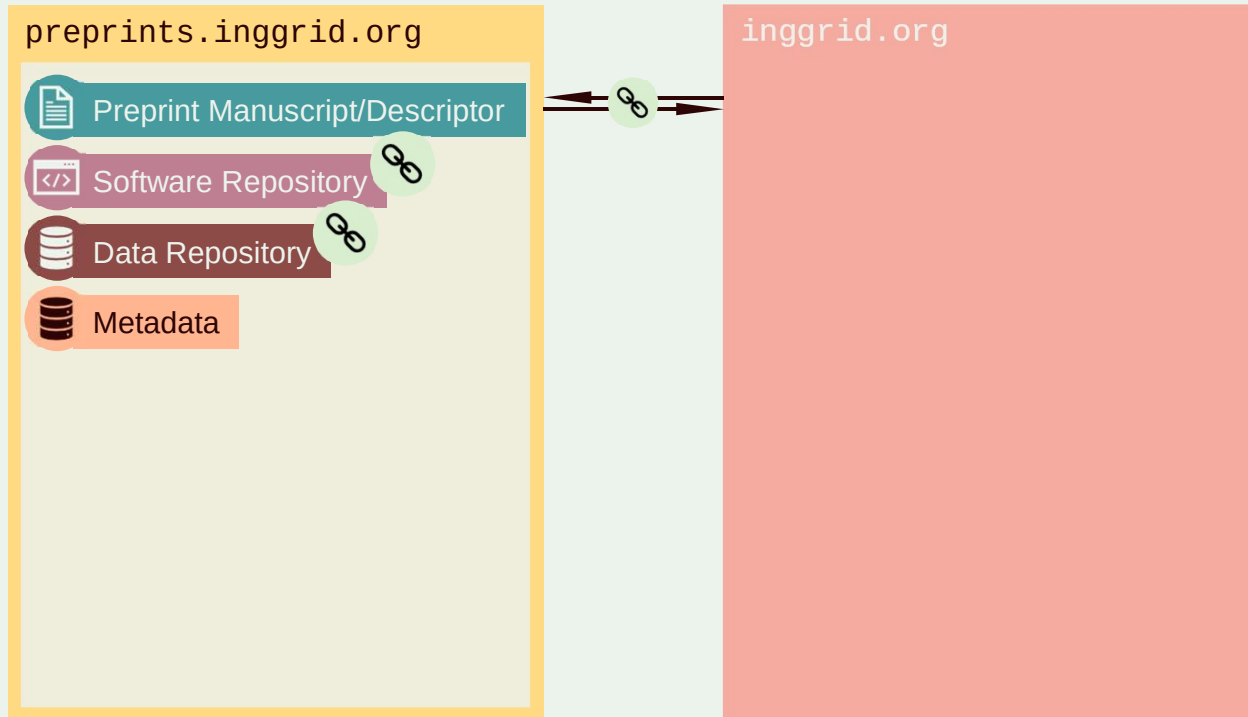


Domain of Open Peer Review





Preprint publication





Open Peer Review for...

INCREASED TRANSPARENCY

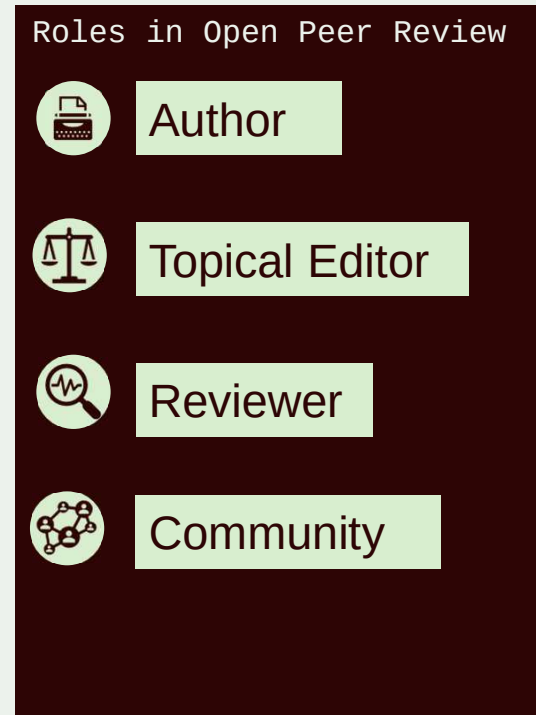
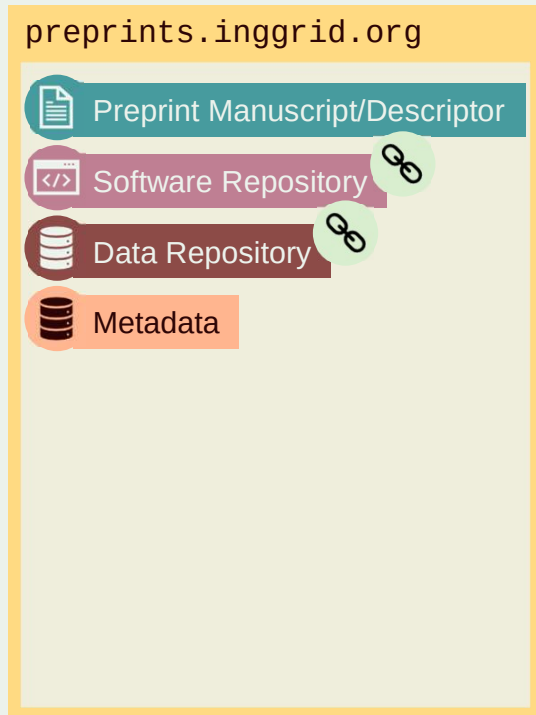
IMPROVED REVIEW QUALITY

OPEN SCIENTIFIC DISCUSSION

ENGAGED COMMUNITY



The Open Peer Review Process with Janeway

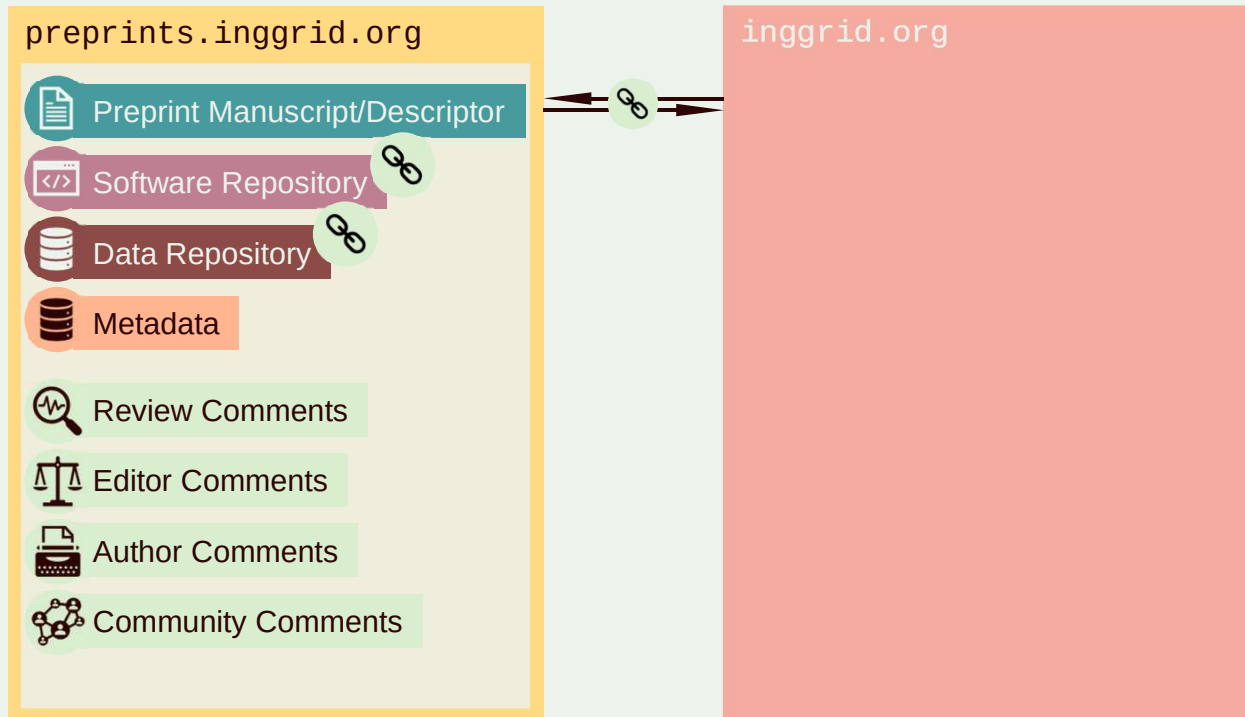


Open Peer Review Process Explained





Peer-reviewed Preprint Publication





preprint
title

preprint
PDF



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RESEARCH ARTICLE
plotID – a toolkit for connecting research data and visualization

Martin Hoek ¹
Hannes Mayr ¹
Manuela Richter ¹
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Abstract. While visualizations can carry a vast amount of information compared to text and are often used for validation, references to data and metadata resulting in these visualizations are not common. To provide such references, the software **plotID** provides two key modules that strive to seamlessly integrate into a generic, Python-based research workflow. The module **ragtag** generates or accepts a unique ID and anchors it (visibly) as a reference to a figure or picture. The module **addition** exports the figure along with the data, code and parameters used in its creation into folders named by the reference ID for later reuse. The tools work to provide aid in research data management with simple base functionality as opposed to encompassing management frameworks. Later features and improvements will expand the scope and applicability to other programming environments.

1 Statement of need

1 Scientific results are published in the form of hypotheses, axioms and equations as well as text and diagrams. Likewise, research software is being published more and more frequently. The comparability of scientific results is indispensable for scientific discourse and reproducibility.

2 Hypotheses, axioms and equations are usually published in text form and can be referenced accordingly. Software can be made traceable and retrievable through the use of version control software. But what about diagrams? A diagram published in a paper is difficult to trace because the (raw) data is usually not available. However, the traceability of diagrams and the data they contain is not only a challenge in publication but also in everyday research. Diagrams are used for visualization and are therefore often produced for interim results, while the researcher continues

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Supplementary Files

[Supplementary File](#)

Authors

Martin Hoek ¹, Hannes Mayr, Manuela Richter, Jan Lemmer, Peter Pelz ¹

Abstract

The highest amount of published information on paper is contained in visualizations such as 2D and or 3D plots. Supporting a generic research workflow, plotID provides tools that can a) create and anchor a reference (ID code, URL...) for and b) package figures, data, code and parameters used to create the figure.

The code is provided as tools with small impact, that need to be used consciously by the researcher and does not aim to relieve the researcher of his duty to keep his digital working environment organized. The exported packages help immensely to make results reusable and repeatable. The initial implementation was created... [more](#)

Subjects

Data Management Software

Keywords

research data management, visualization, figure, plot, mapping, referencing, ID, visualization, figure, plot, mapping, reference, ID, organisation

Dates

Published: 2022-09-05 10:00

Last Updated: 2023-03-17 11:45

Older Versions

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Comments

Comment #18 Kevin Logan @ 2023-03-15 11:24

I thank the authors for implementing the corrections recommended by the reviewers. Minor linguistic errors should be corrected during the copy editing step.

I would like to make one suggestion regarding the reference [16], Lambrecht et al. The authors may consider the latest work regarding FAIR principles for research software, which is also an RDA recommendation. The text is publicly available here: <https://doi.org/10.15497/RDA00068>.

Other than that, I would like to ask the authors to submit their LaTeX project folder in order for it to be processed for publication in the ingrid journal.

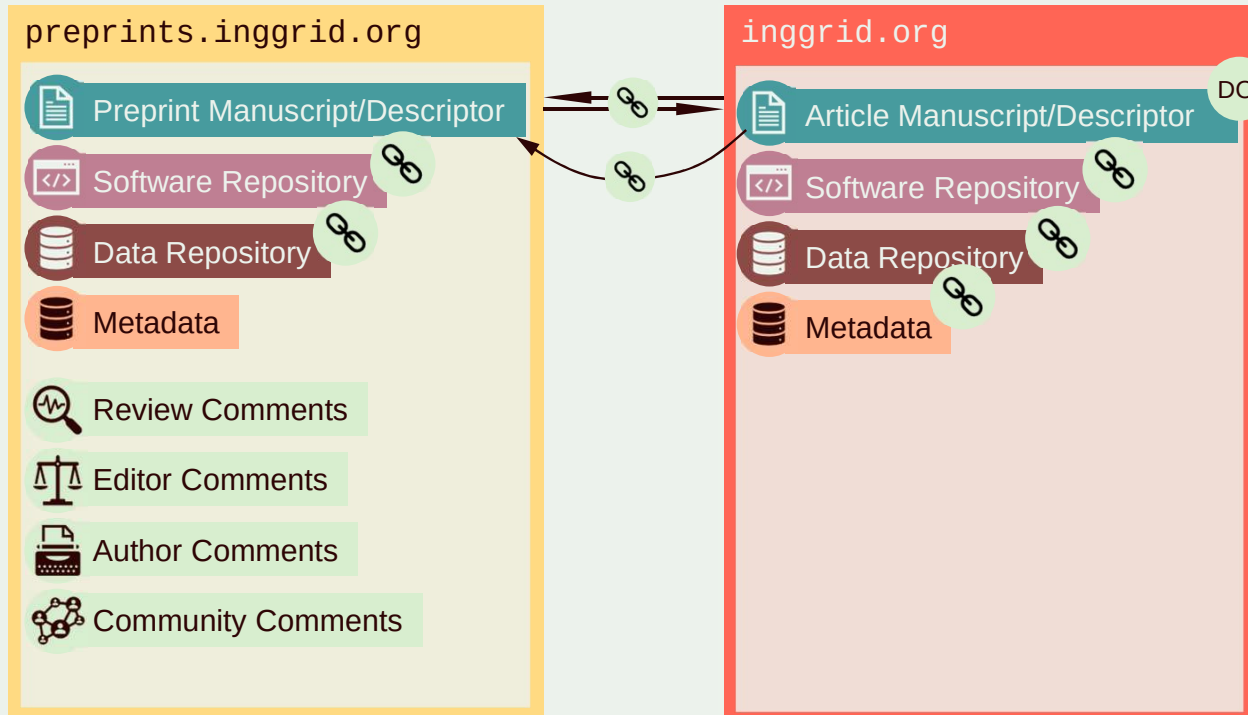
links to
data,
software

metadata

comment/
review
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Peer-Reviewed Preprint Publication





article
title

article
metrics

The screenshot shows the ing.grid website interface. At the top, there is a search bar and the user name 'Michaela Leštáková'. A navigation menu includes 'Home', 'News', 'About', 'Submissions', 'Preprints', 'Articles', 'Issues', 'Editorial Team', 'Contact', and 'Become a Reviewer'. The main content area features a 3D bar chart visualization. Below the chart, the article title 'plotID - a toolkit for connecting research data and visualization' is displayed, along with the authors' names: Martin Hock, Heiko Mayr, Manuela Richter, Jan Lemmer, and Peter Pelz. The abstract section describes the toolkit's purpose in supporting research workflows. A 'How to Cite' section provides the citation and DOI. A metrics box shows 442 views, 140 downloads, and a publication date of 21 APR 2023. On the right side, there are sections for 'DOWNLOAD' (XML and PDF), 'ISSUE' (Volume 1, Issue 1, 2023), 'IDENTIFIERS' (DOI link), 'RELATED MATERIAL' (GitHub link), and 'PREPRINT' (link to the preprint repository).

download
links

DOI








link to
software

link to
preprint

1 Statement of need



Library's Role

-  First level support and user training
-  Prior to new journal launch: Graphic design package
-  Liaison between journal and hosting platform Janeway
-  Manage subcontractor for XML-conversion
-  Provide DOI through Datacite, long-term archiving
-  Support visibility (DOAJ, Sherpa Romeo, ISSN)
-  Contribute to Janeway development

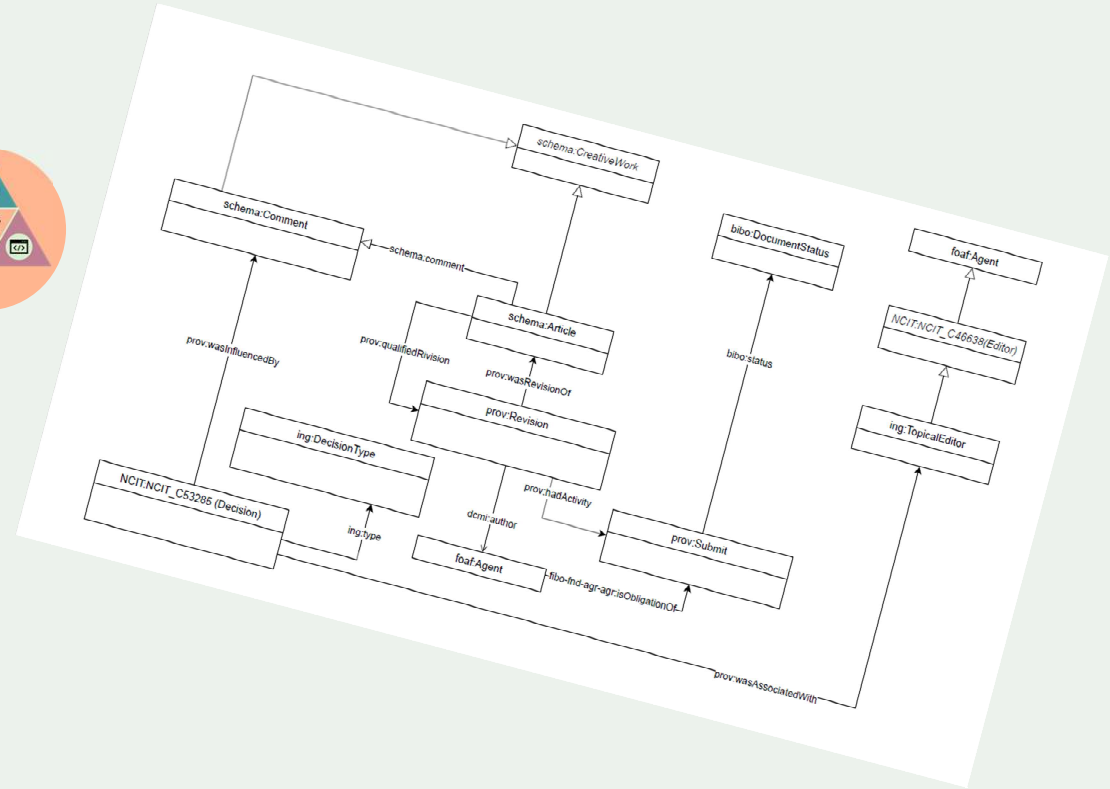
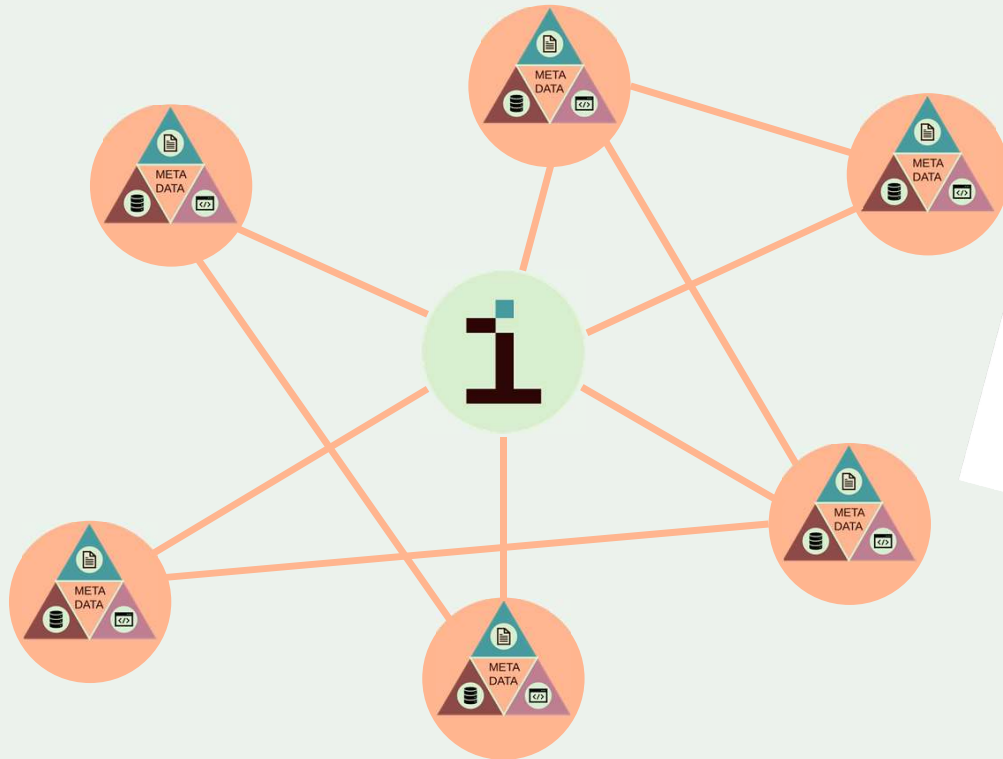


What's next?

- Start new journals, flip existing ones
- Spread the word about JW in Germany: "One voice can be stronger than a thousand voices."
- Exploring options for hosting conference tracks in JW
- Further development of the knowledge graph



Journal Knowledge Graph





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The authors would like to thank the Federal Government and the Heads of Government of the Länder, as well as the Joint Science Conference (GWK), for their funding and support within the framework of the NFDI4Ing consortium. Funded by the German Research Foundation (DFG) - project number 442146713.

Coffee - the finest organic suspension ever devised. It's got me through the worst of the last three years. I beat the Borg with it.



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