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RESEARCH OUTCOMES AND SCHOLARLY PUBLISHING

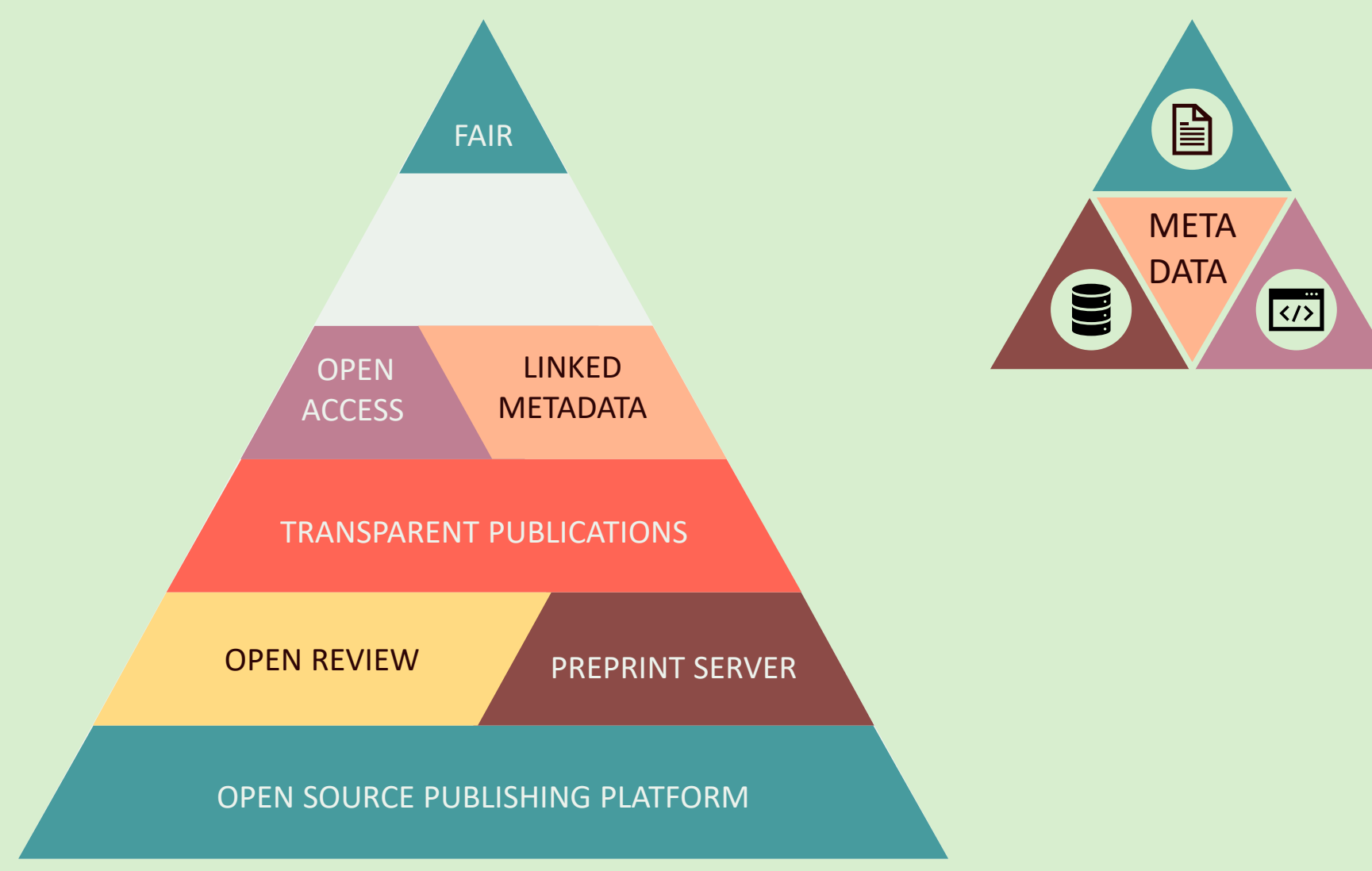## FAIR PRINCIPLES AS QUALITY ASSESSMENT

Izadora Silva Pimenta, Kevin T. Logan, Michaela Leštáková, Peter F. Pelz

Chair of Fluid Systems, Technische Universität Darmstadt, Germany

Data Stewardship goes Germany - September 25th - Dresden, Germany

FAIR PUBLICATIONS IN A FAIR JOURNAL

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

Transparent publications with peer reviewed manuscript, software and data

Pyramid levels:
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- OPEN ACCESS / LINKED METADATA
- TRANSPARENT PUBLICATIONS
- OPEN REVIEW / PREPRINT SERVER
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META DATA

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FOSTERS

TRANSPARENCY	TRACEABILITY
COMPREHENSIVE DOCUMENTATION	LONG-TERM DATA USABILITY

PROBLEMS TO SOLVE

quality assurance
to validate research outcomes

scientific credit
for FAIR data management

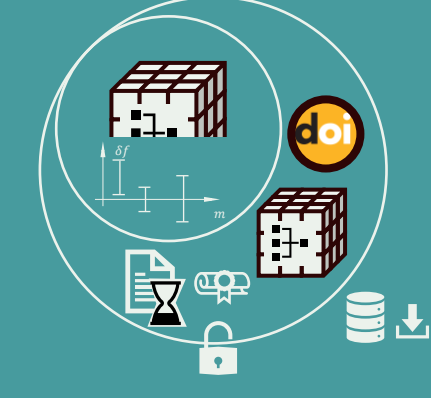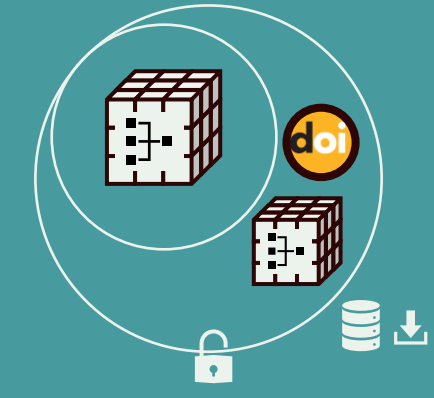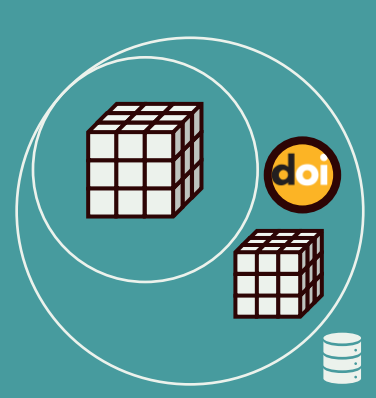## FAIR PRINCIPLES AS REQUIREMENT

F
Data and its associated metadata are **easy to find** for both humans and machines.

A
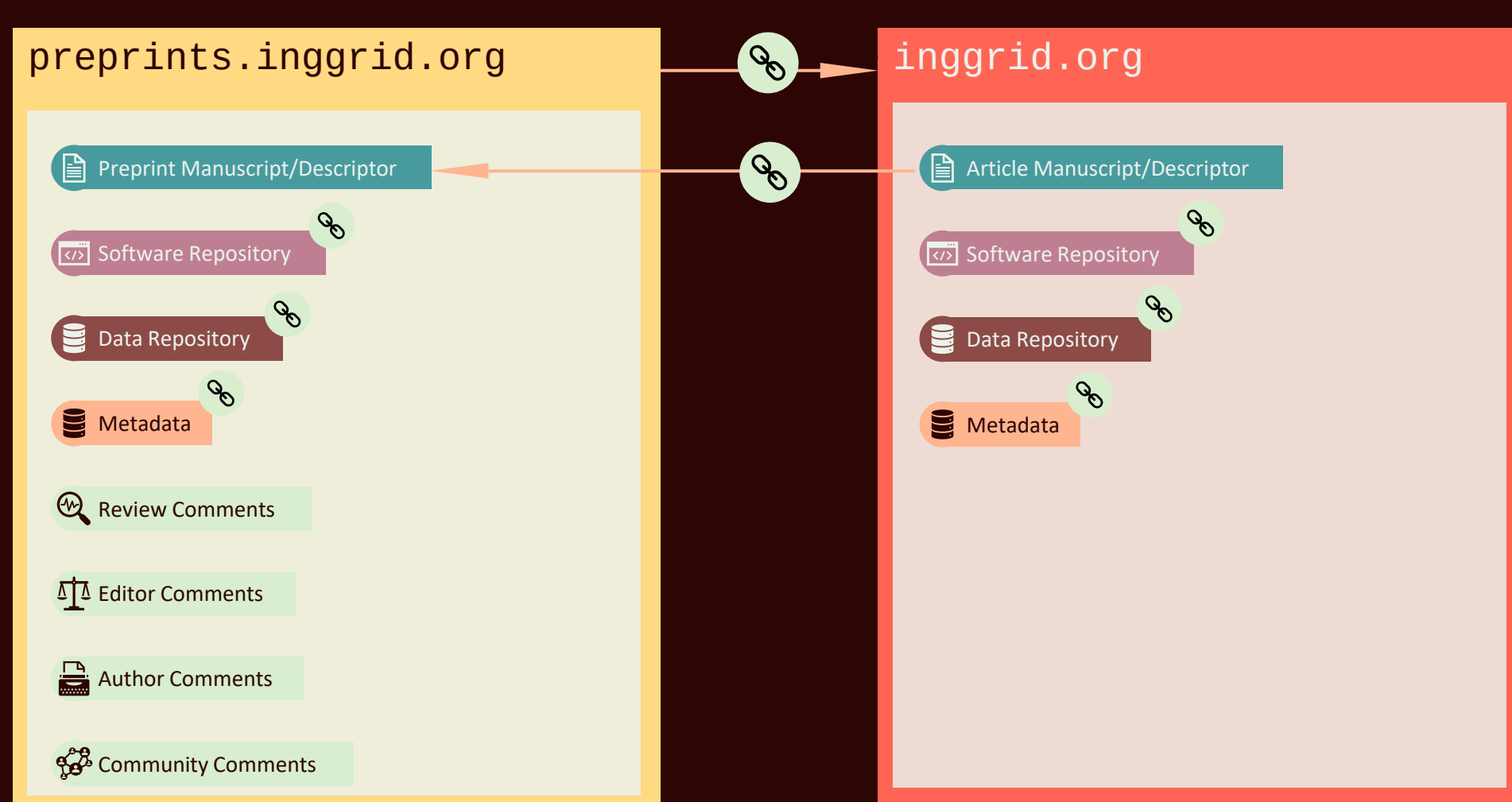Data, and its metadata, **is retrievable** via standardised protocols.

I
Data **can interoperate with applications or workflows** for analysis, storage, and processing.
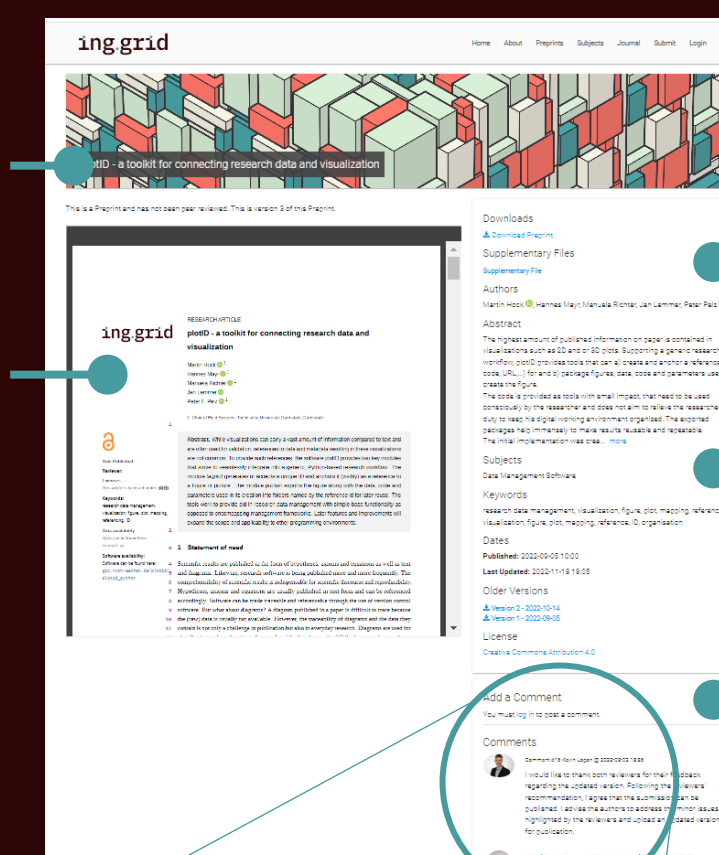
R
Data is **both usable and reusable**.

OPEN PEER REVIEW PROCESS (ALSO) FOR DATA

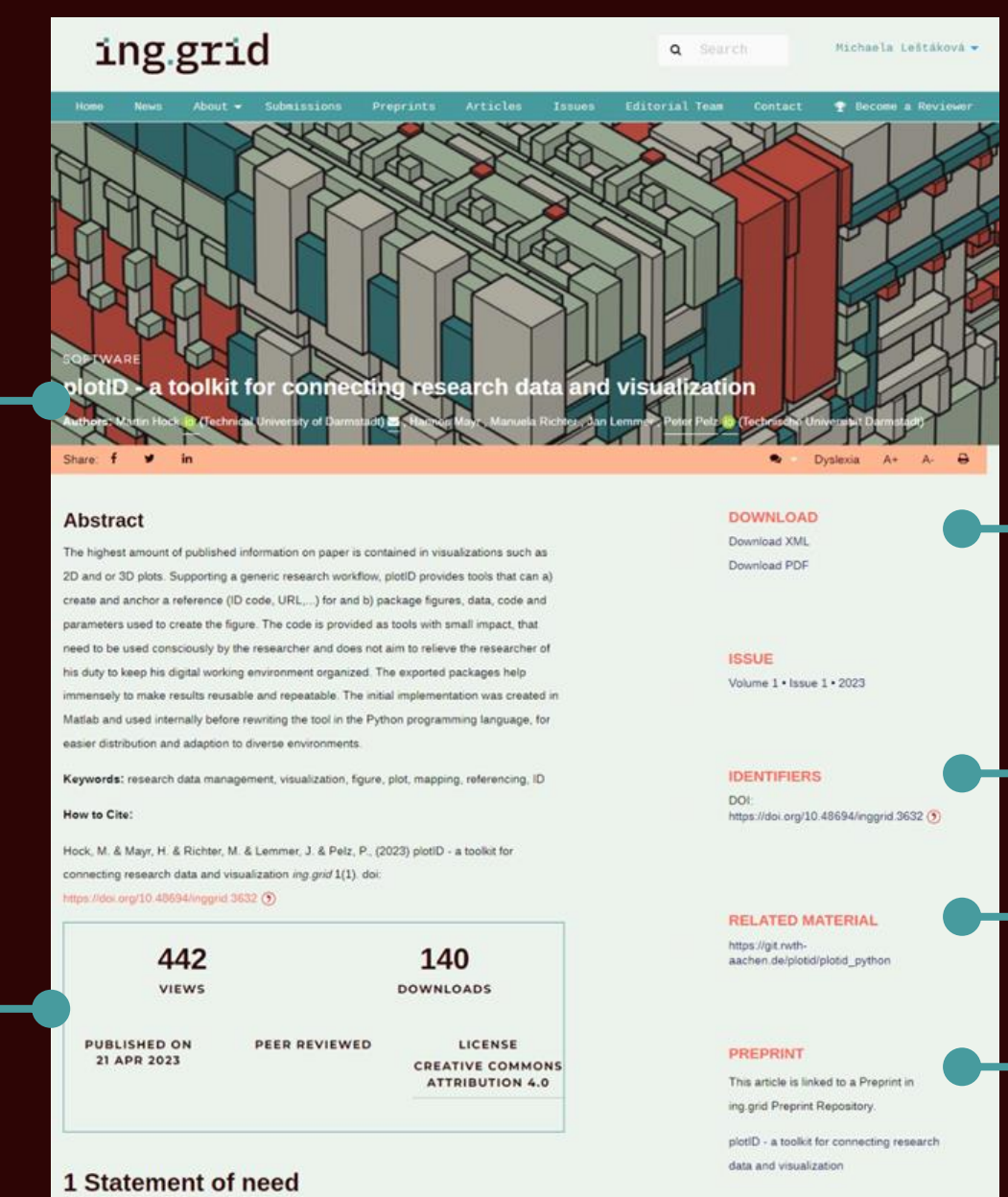Open peer Review for transparent publications and a strong community

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Invited Review Comment #2, Jane Wynguard (J) 2022-09-21 16:34

PlotID appears to be a useful tool

Some minor modifications to the descriptor submission and public repository would increase its reuse and impact

Descriptor
Abstract should be re-written, it's poorly structured making it difficult for a reader to quickly understand what is being reported on. Further, highlights of PlotID specific features should be included.

The statement of need currently also serves to report on related work. This is limited to naming one other tool.

ADD COMMENT

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