

**GOVERNANCE AND TECHNOLOGY
FOR OPEN PEER REVIEW
IN A FAIR OPEN ACCESS JOURNAL**

NFDI4Ing Conference, October 27th, 2022

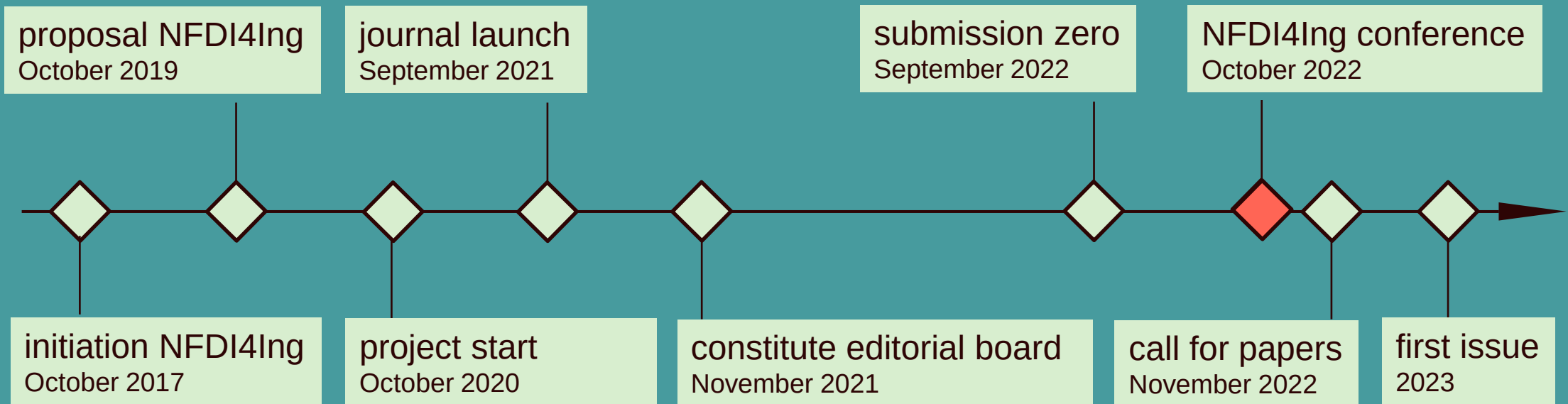
Kevin Logan, Michaela Leštáková, Ina Heine, Thomas Stäcker, Peter F. Pelz
Chair of Fluid Systems / RWTH Aachen / University and State Library / TU Darmstadt



**FAIR Data Management
in Engineering
Sciences**

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**discussed
and presented
in a FAIR Journal**





SCIENTIFIC DISCUSSION

SCIENTIFIC CREDIT

NATIONAL AND INTERNATIONAL NETWORK

DRIVEN BY ENGINEERING COMMUNITIES



TOPICS

data literacy

data infrastructure

data governance

data economics

data ethics

data sets

data management software

ADRESSEES

engineering sciences

mechanical, electrical, civil, computational, materials

academic research

non-academic research

industry

services

humanities

law

economics

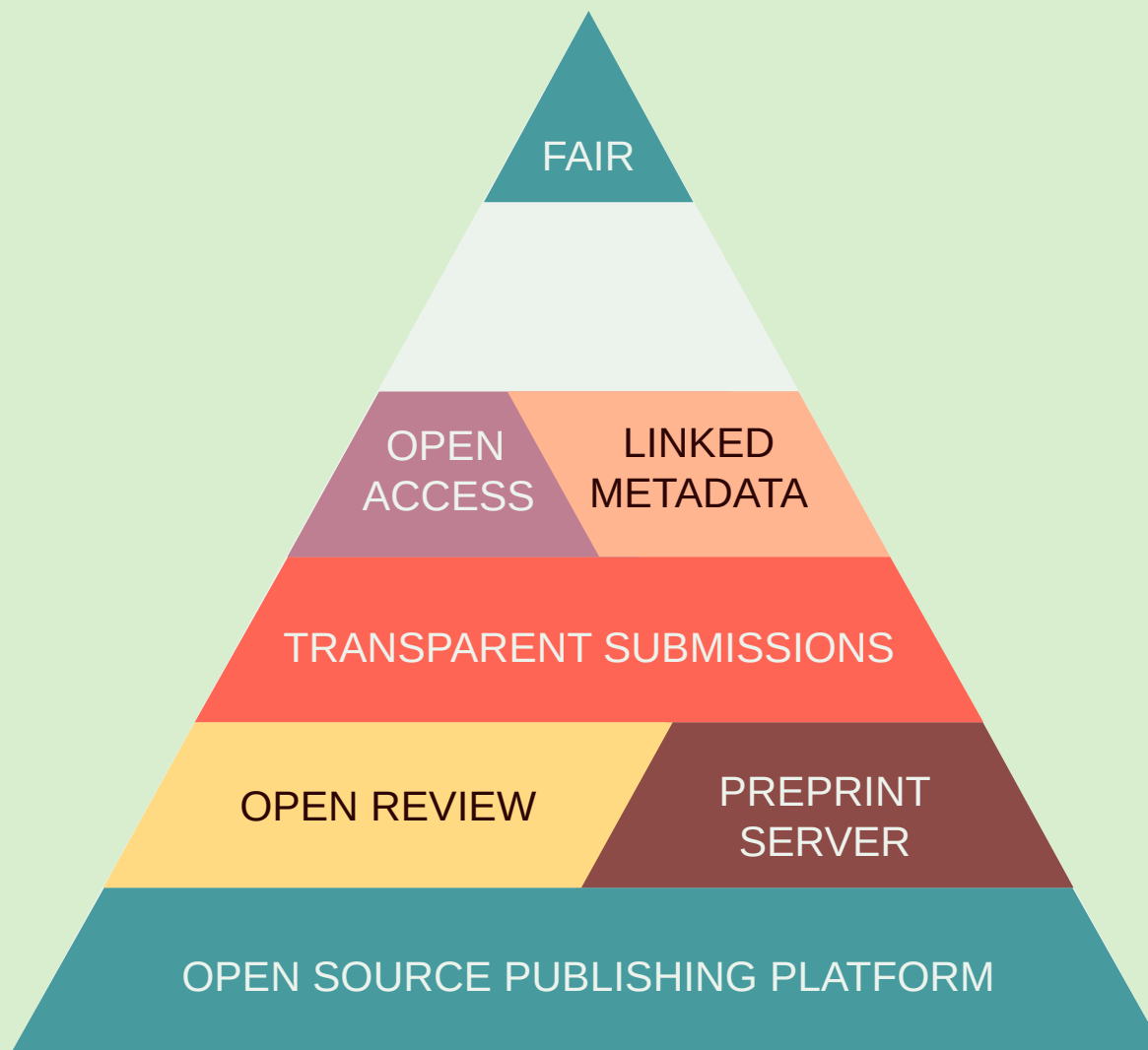
management

libraries

computing centres



Building Blocks of a FAIR Journal





INCREASED TRANSPARENCY

IMPROVED REVIEW QUALITY

OPEN SCIENTIFIC DISCUSSION

ENGAGED COMMUNITY



ROLES



Author



Managing Editor



Topical Editor



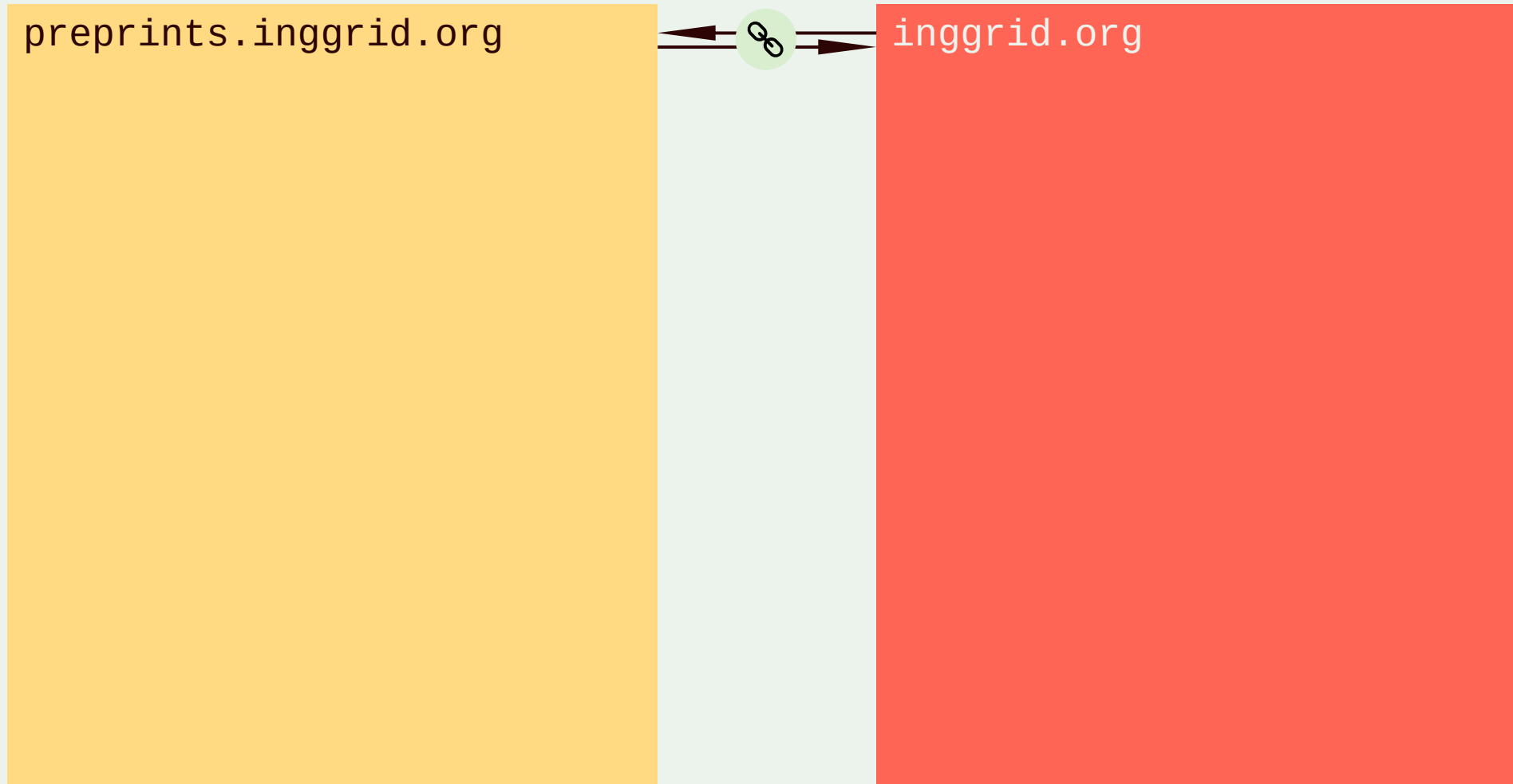
Reviewer



Community



Platforms: Preprint Server and Journal Website





Submission Componentes



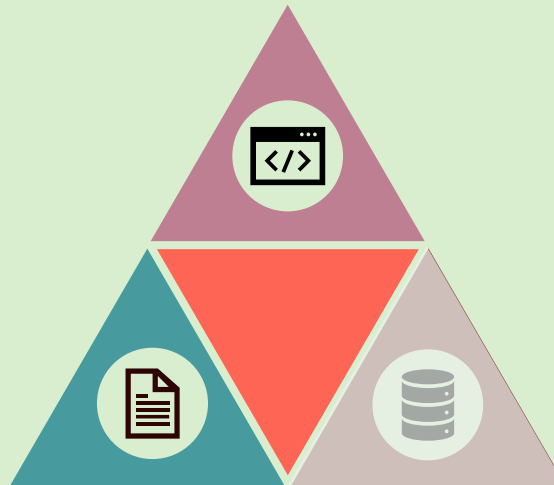


Manuscript Submission





Software Submission





Data Submission



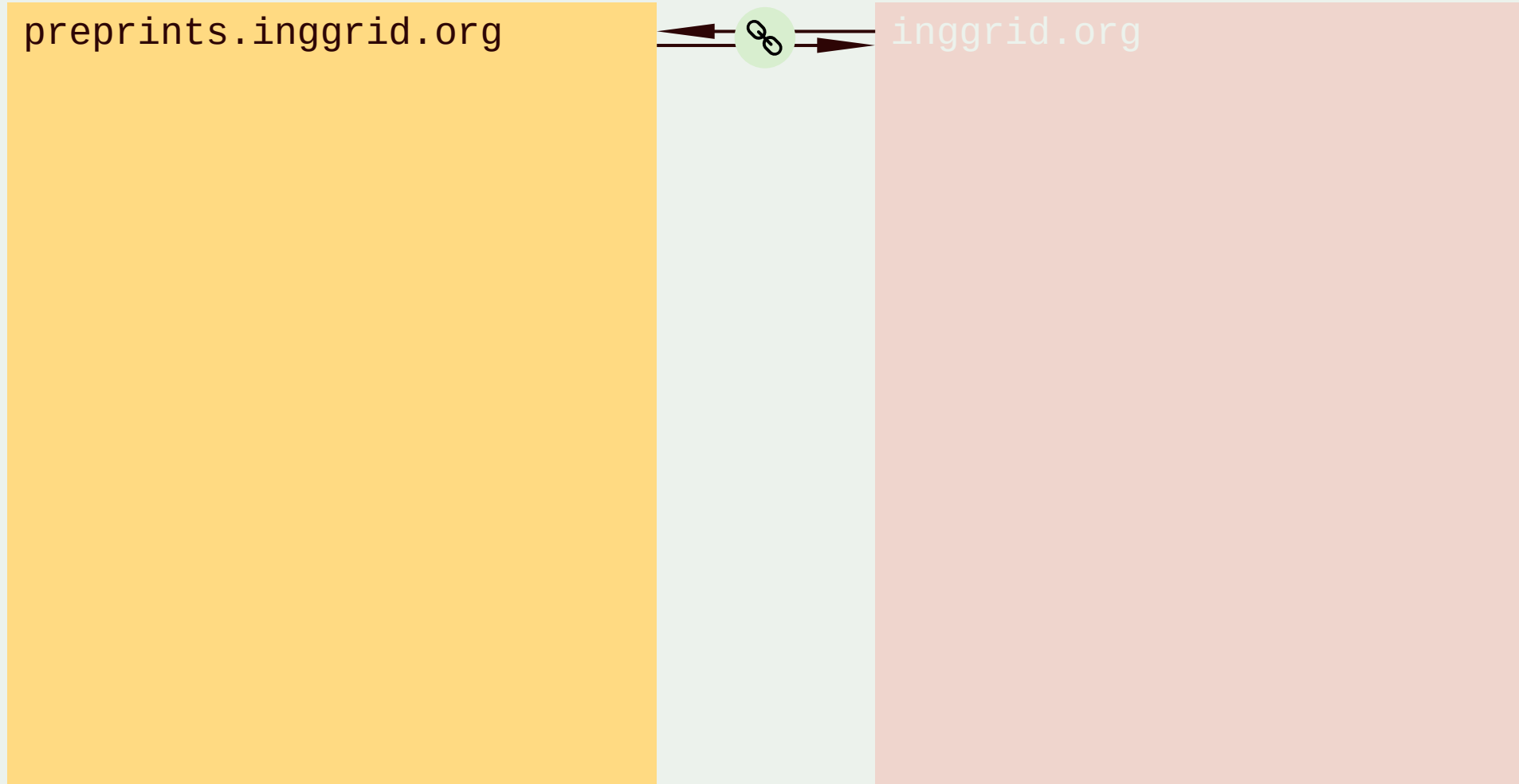


Summary of Submission Types

	 manuscript	 software	 data
submission type			
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

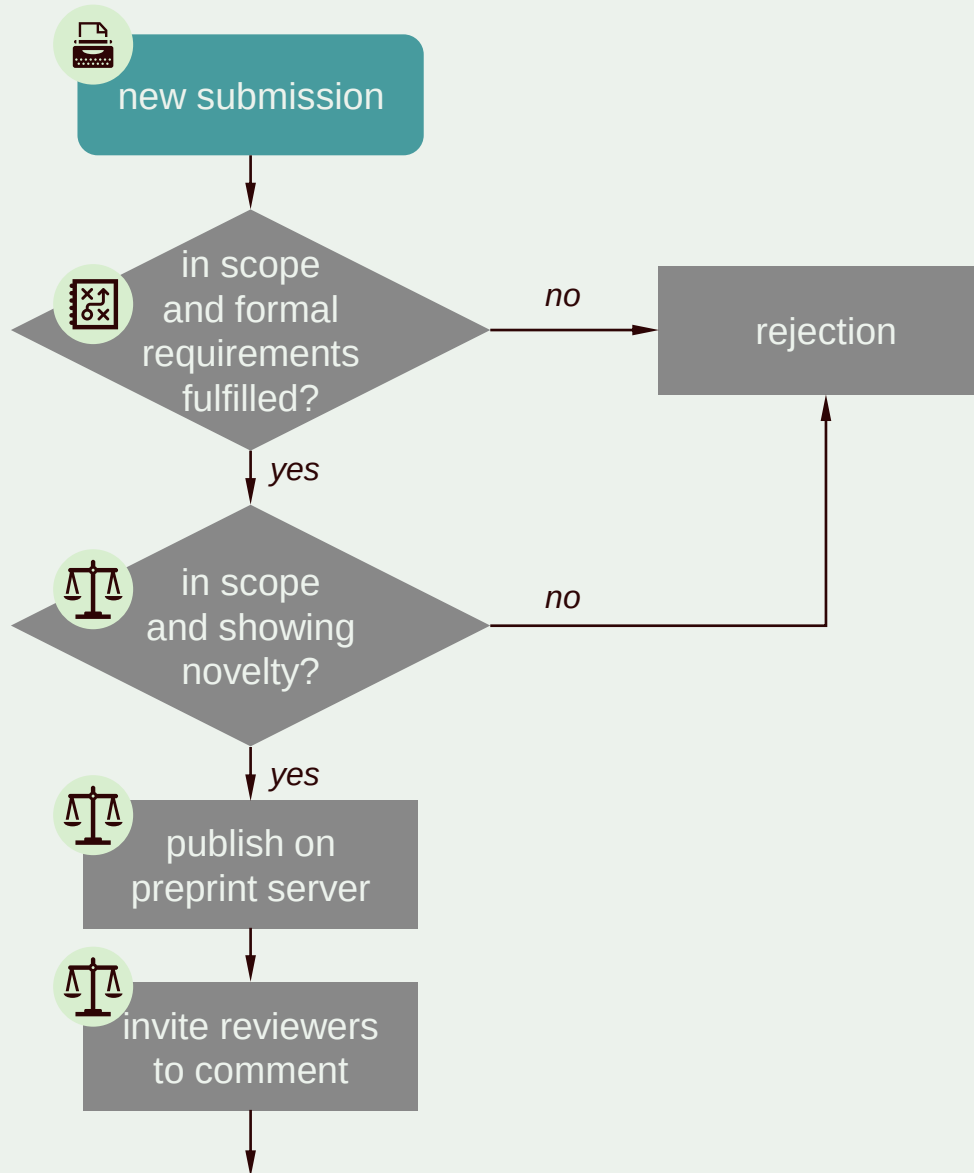


Domain of Open Peer Review



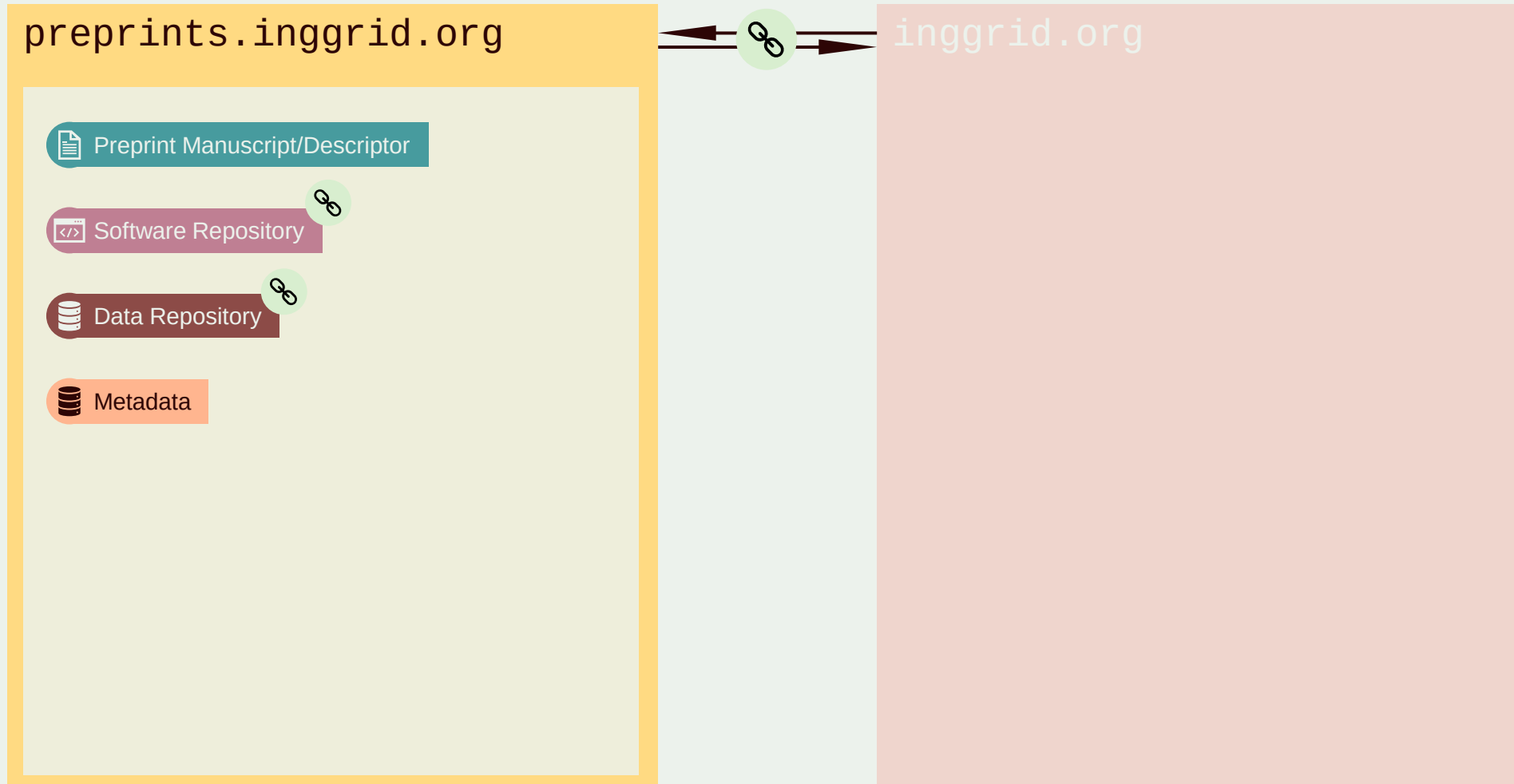


Initial Proofing



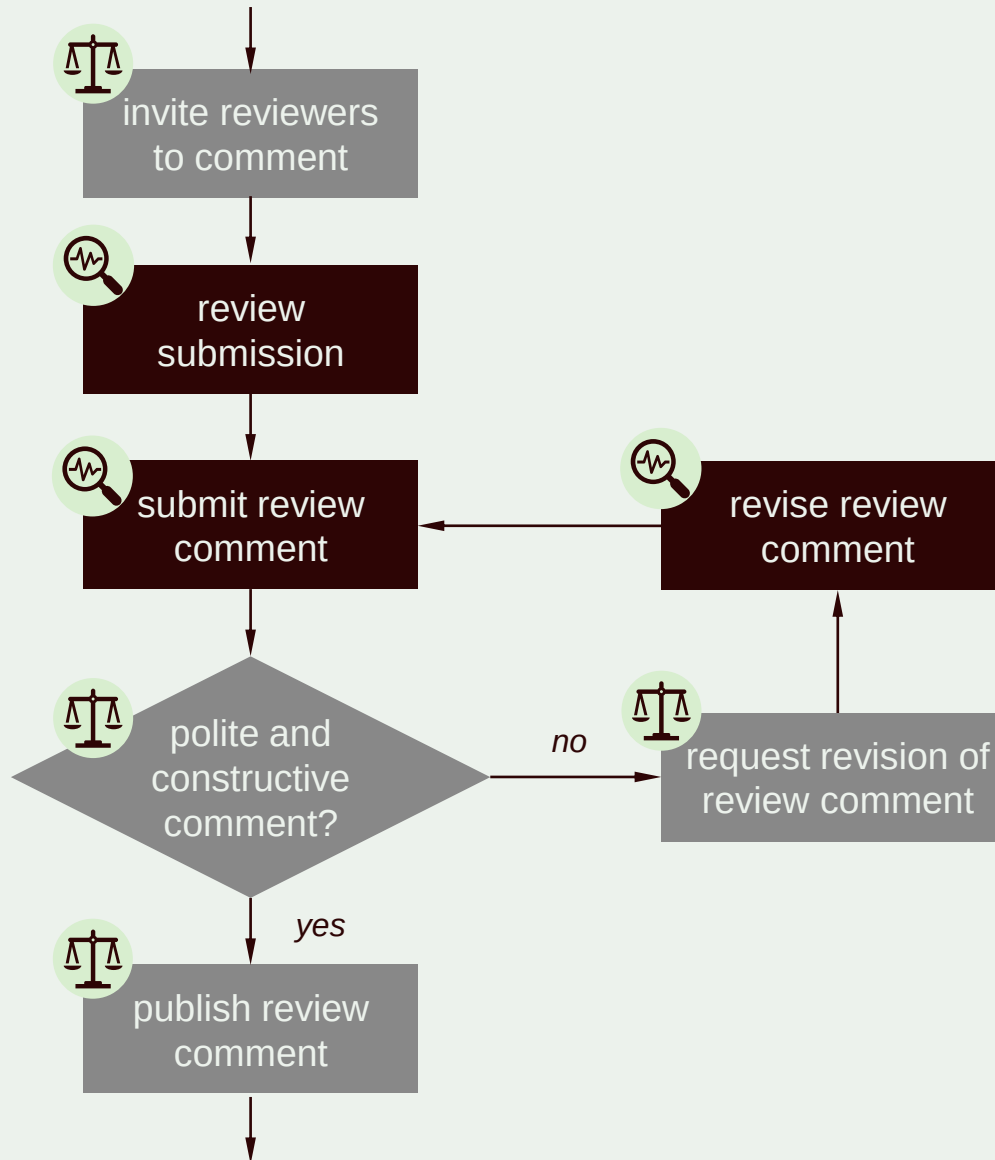


Peer-Reviewed Preprint Publication



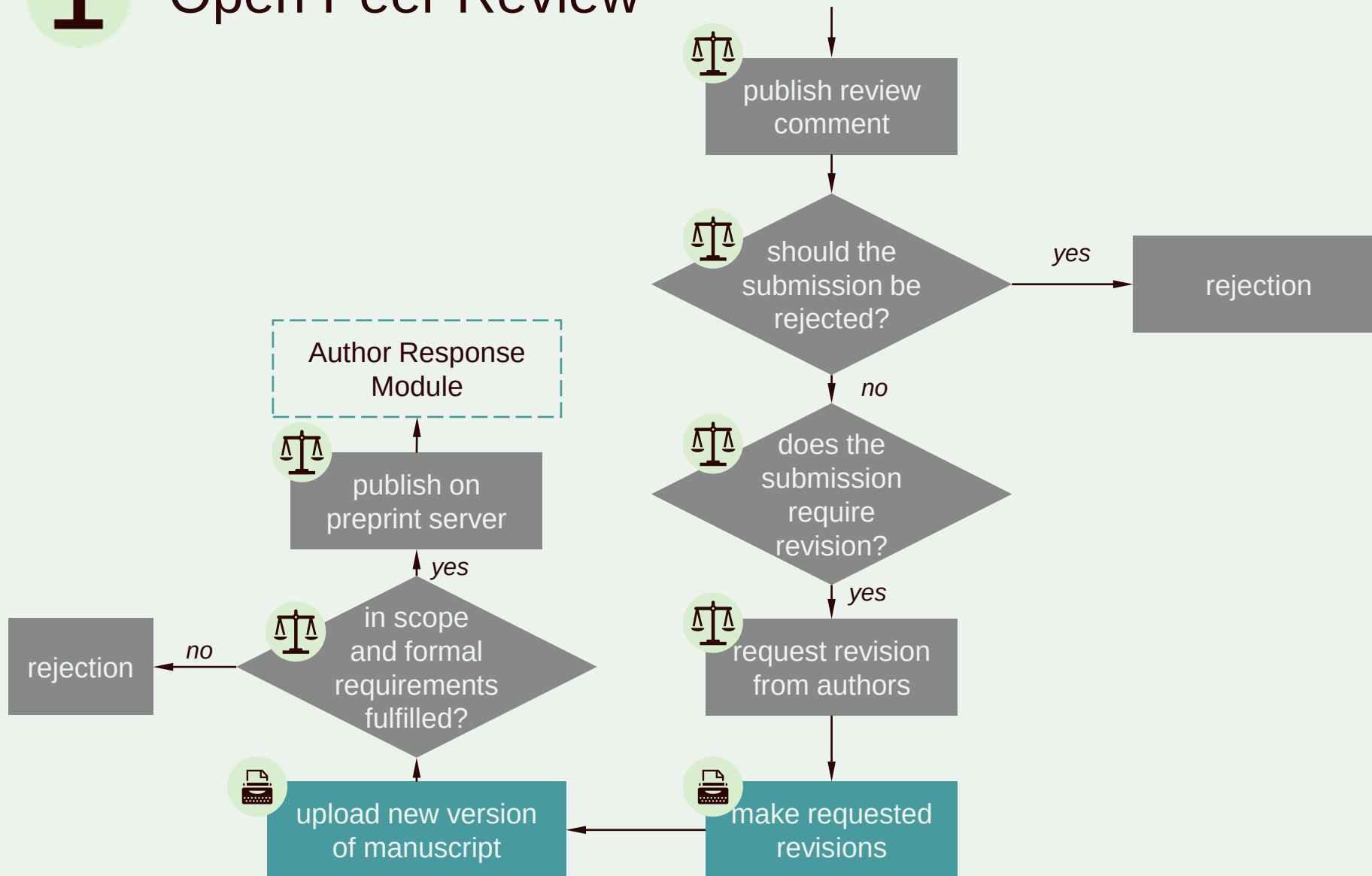


Invited Review Comments



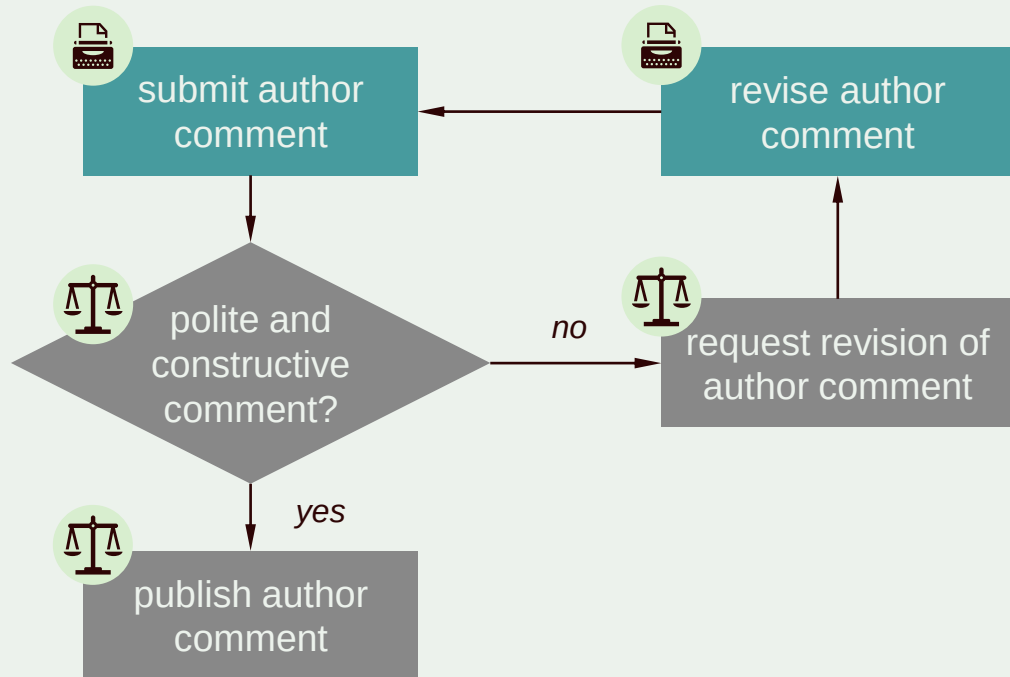


Open Peer Review



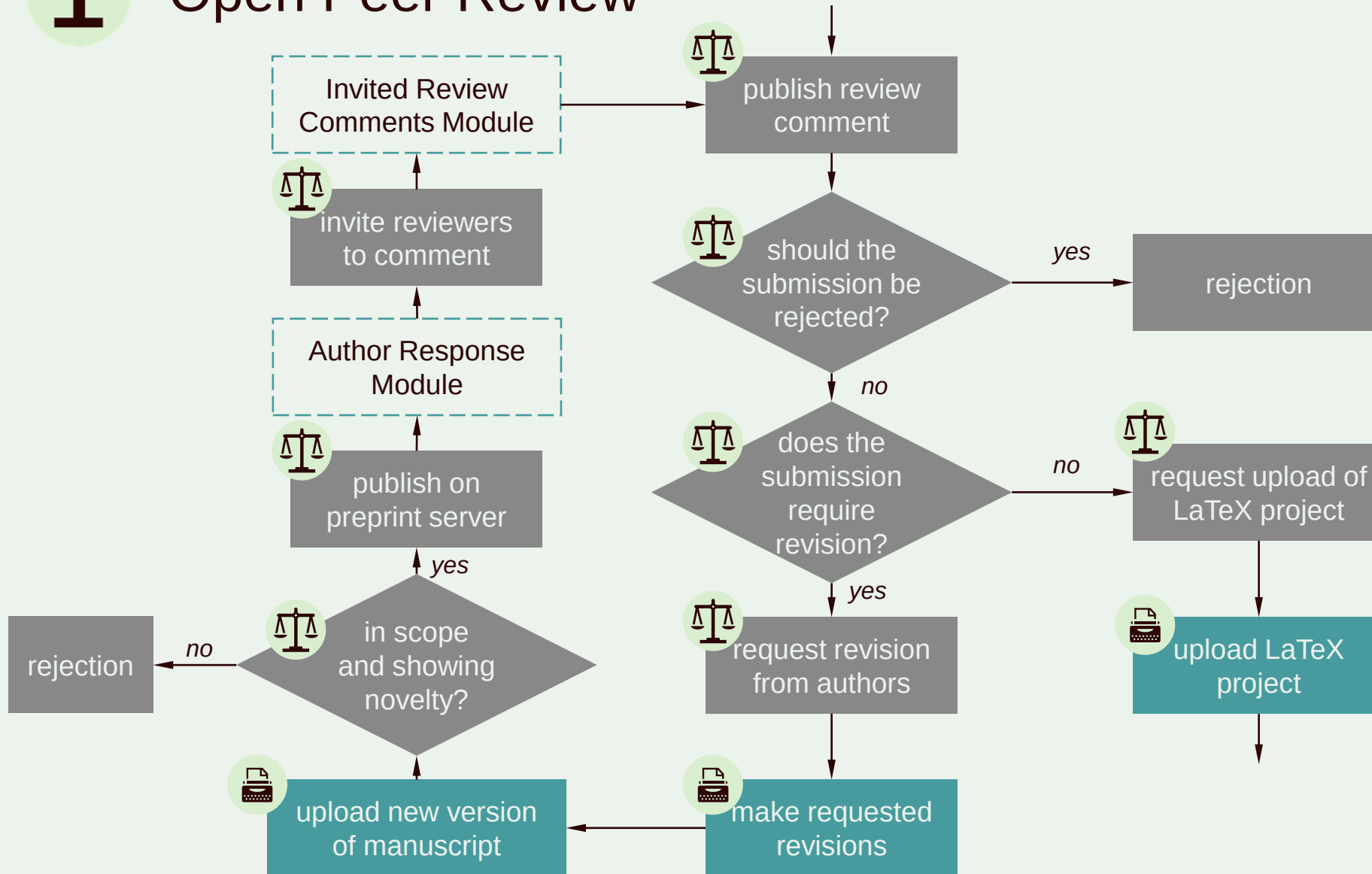


Author Response



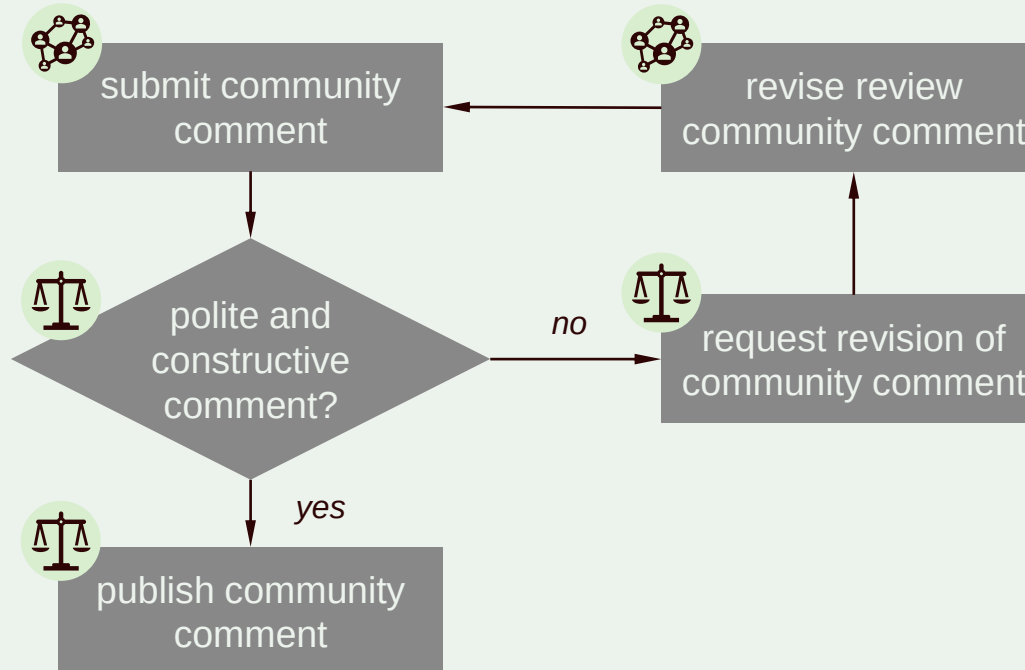


Open Peer Review



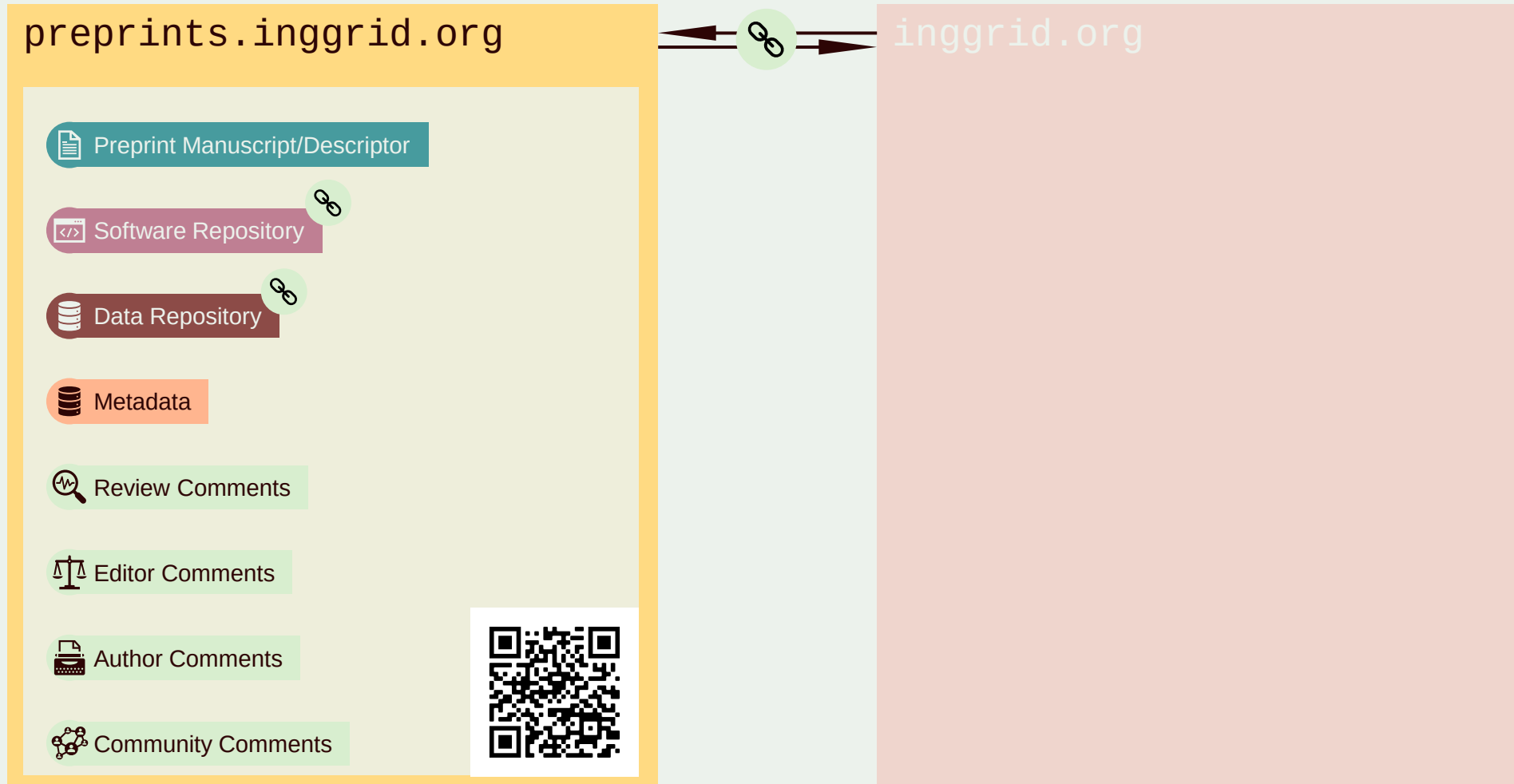


Community Peer Review



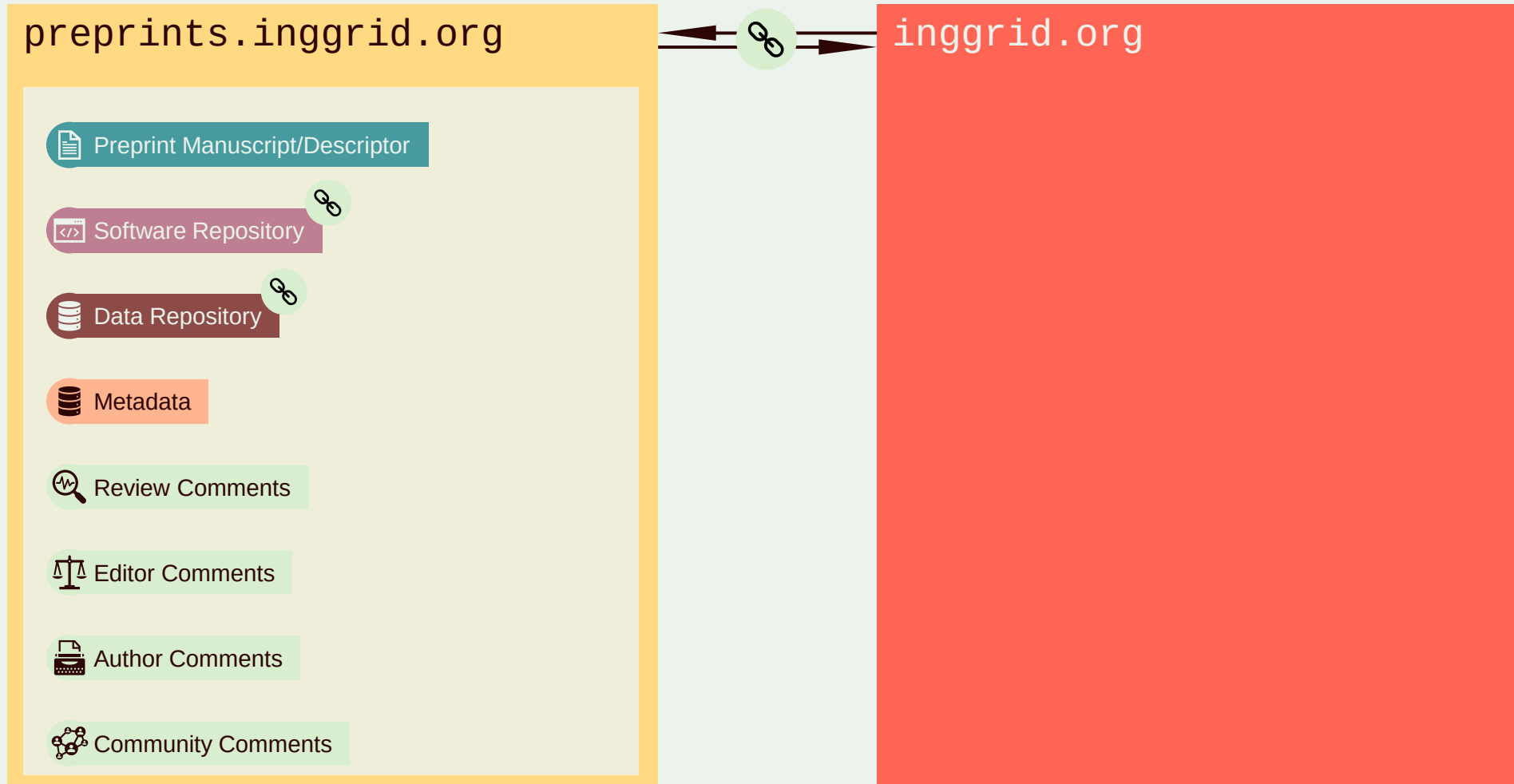


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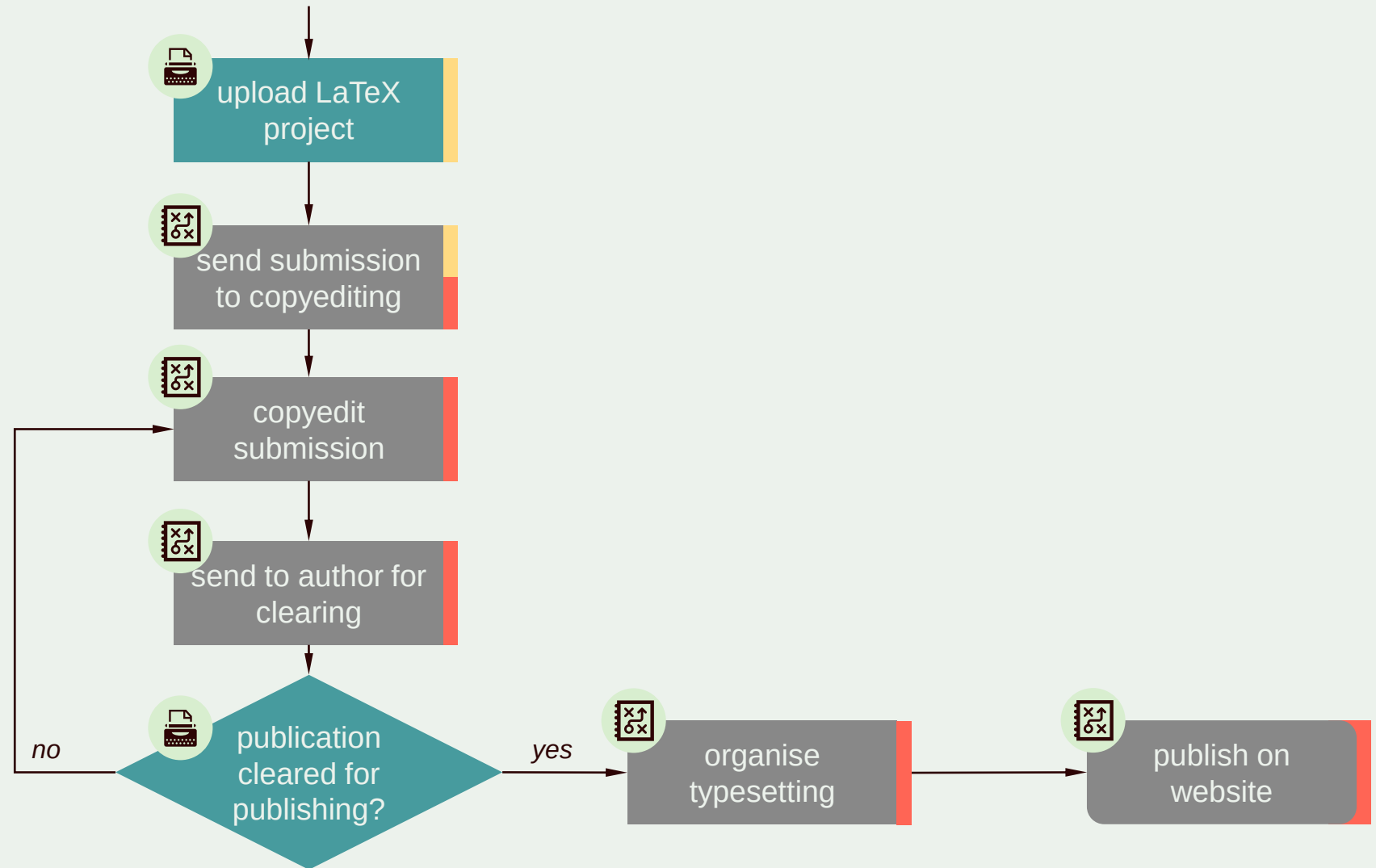


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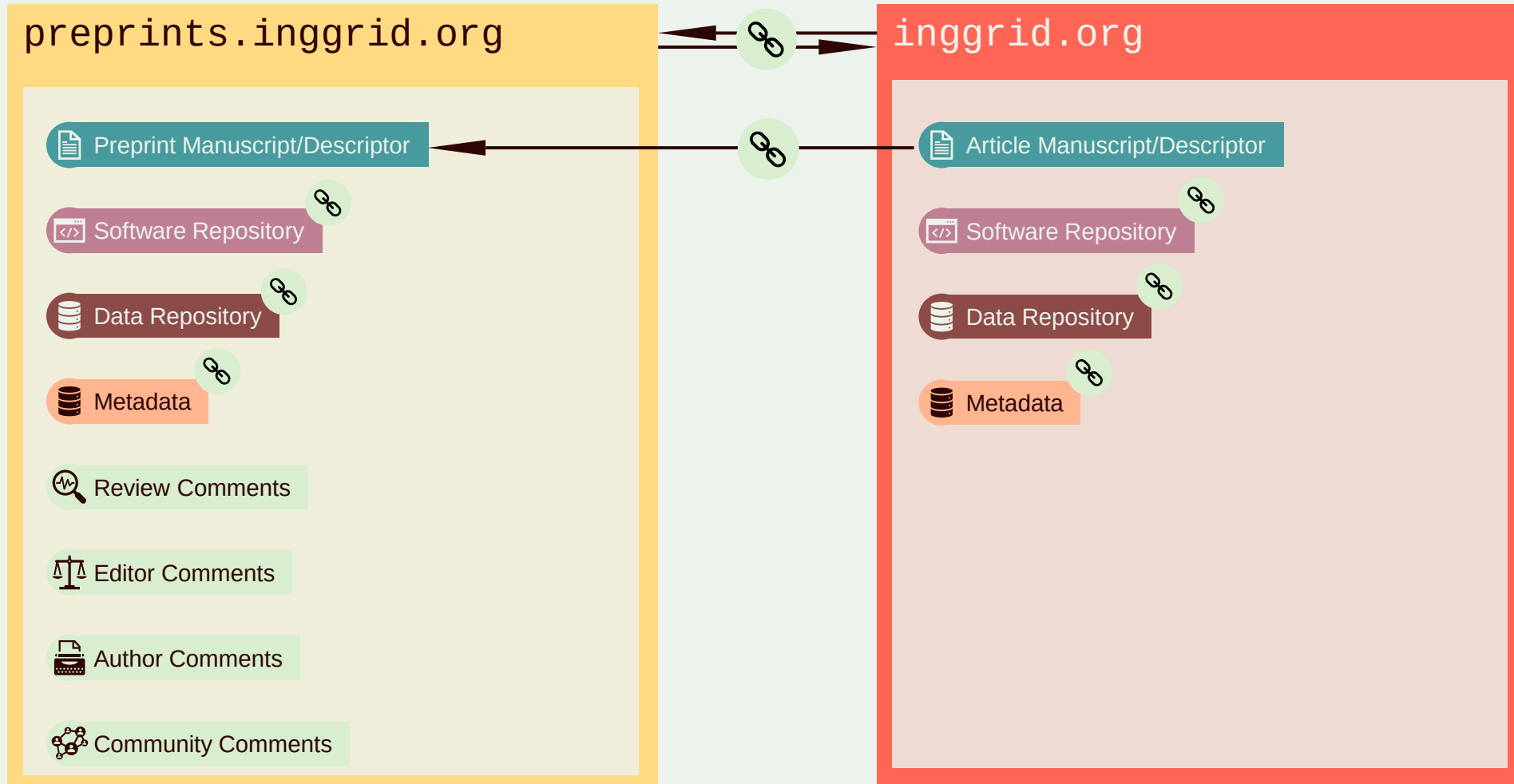


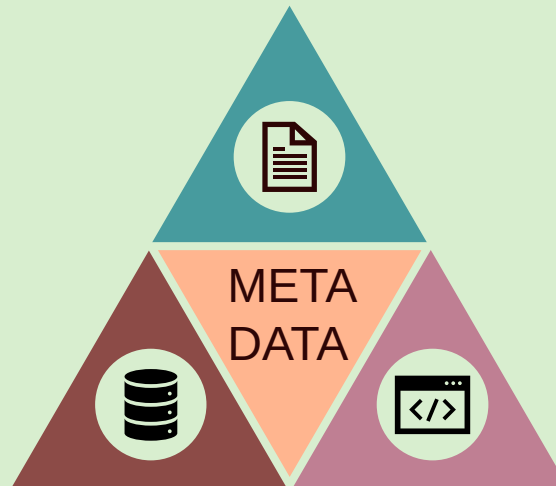
Publishing





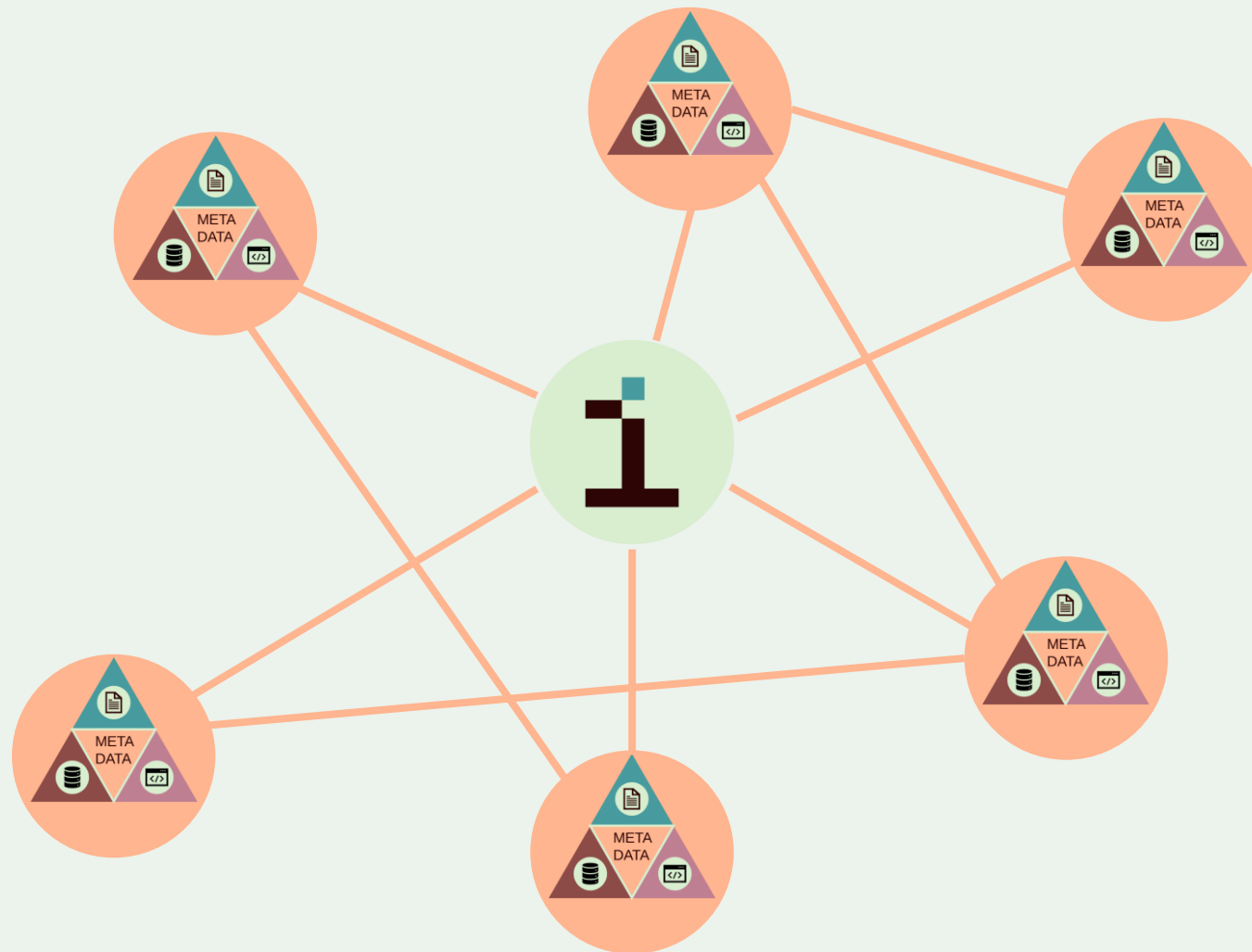
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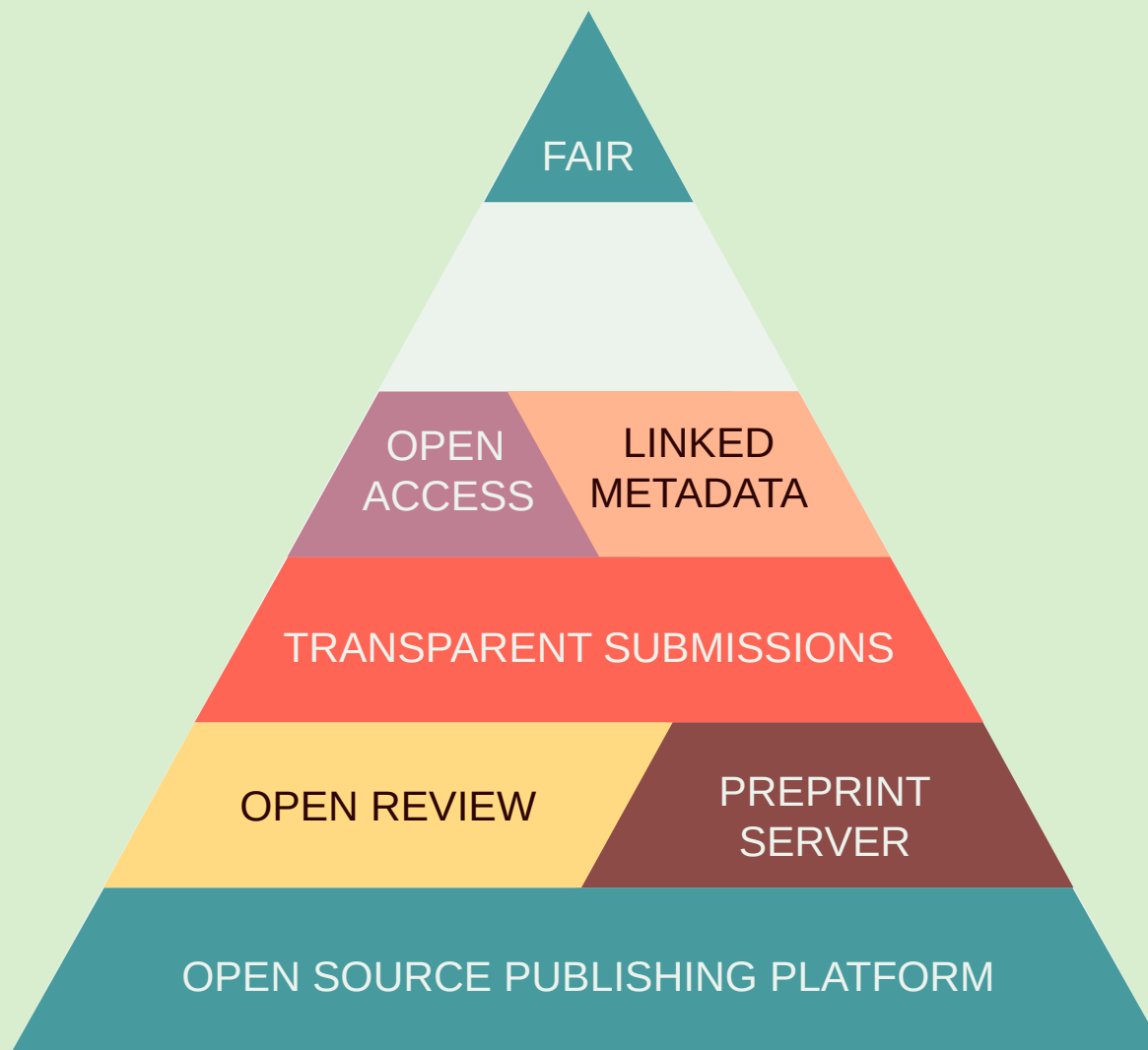


Journal Knowledge Graph





Building Blocks of a FAIR Journal





Aims and Scope





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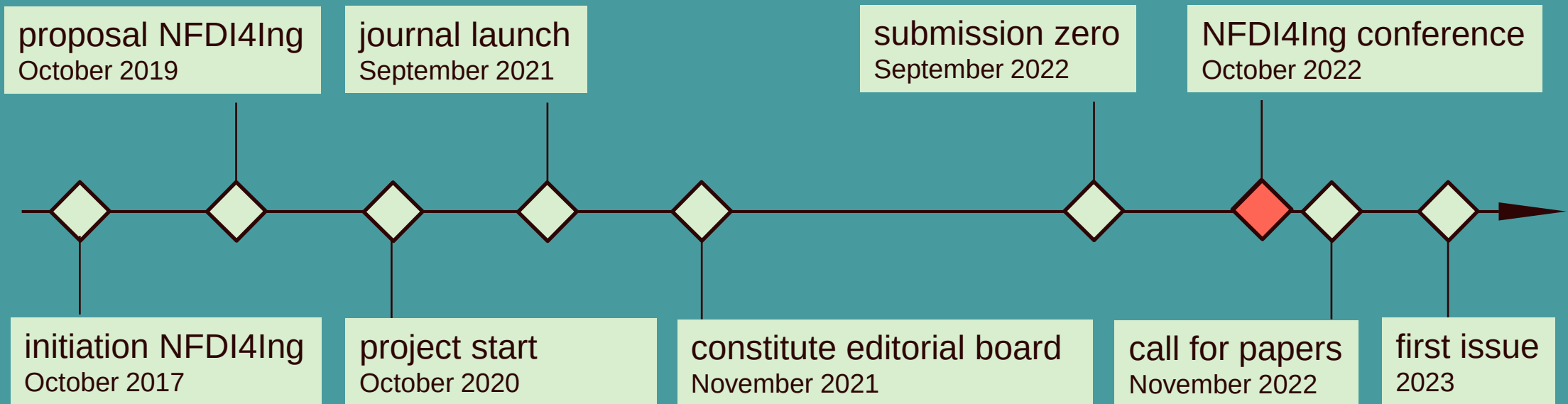
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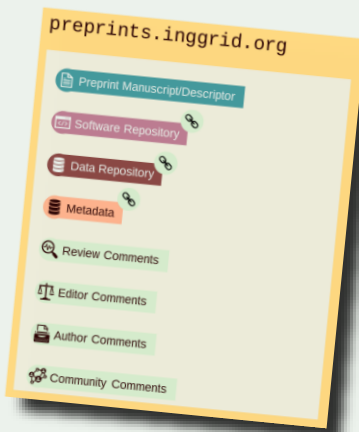
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NFDI4Ing Conference Special Issue





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