



NFDI4ING – The way to a NFDI-RFC standardization service



Uniform platform for developing and publishing (quasi-) standards (guidelines) for research data management (RDM)

Vision & Mission

Vision

Uniform platform for developing and publishing (quasi-) standards (guidelines) for RDM

Mission

NFDI-RFC concept establish a coordinated, sustainable, and widely accepted standardization service for RDM across disciplines

NFDI-RFC concept schema structure

The figure provides an overview of the steps that a technical publication undergoes during the life-cycle of an NFDI RFC document within the NFDI standards process.

It depicts an NFDI-RFC document together with its review stages, highlighting the iterative loops involving the responsible NFDI section, the RDM Expert Group, the RFC editor, and ultimately culminating in the community's final release.

Formal procedure topics

- NFDI-RFC is a **formalized text document** that specifies and explains a **technical issue**
- **Focus** of technical issues lies on **research data management**
- Could be domain specific as well as for broader use in the RDM community
- Specification of services, metadata schema, workflows, data handling, ...

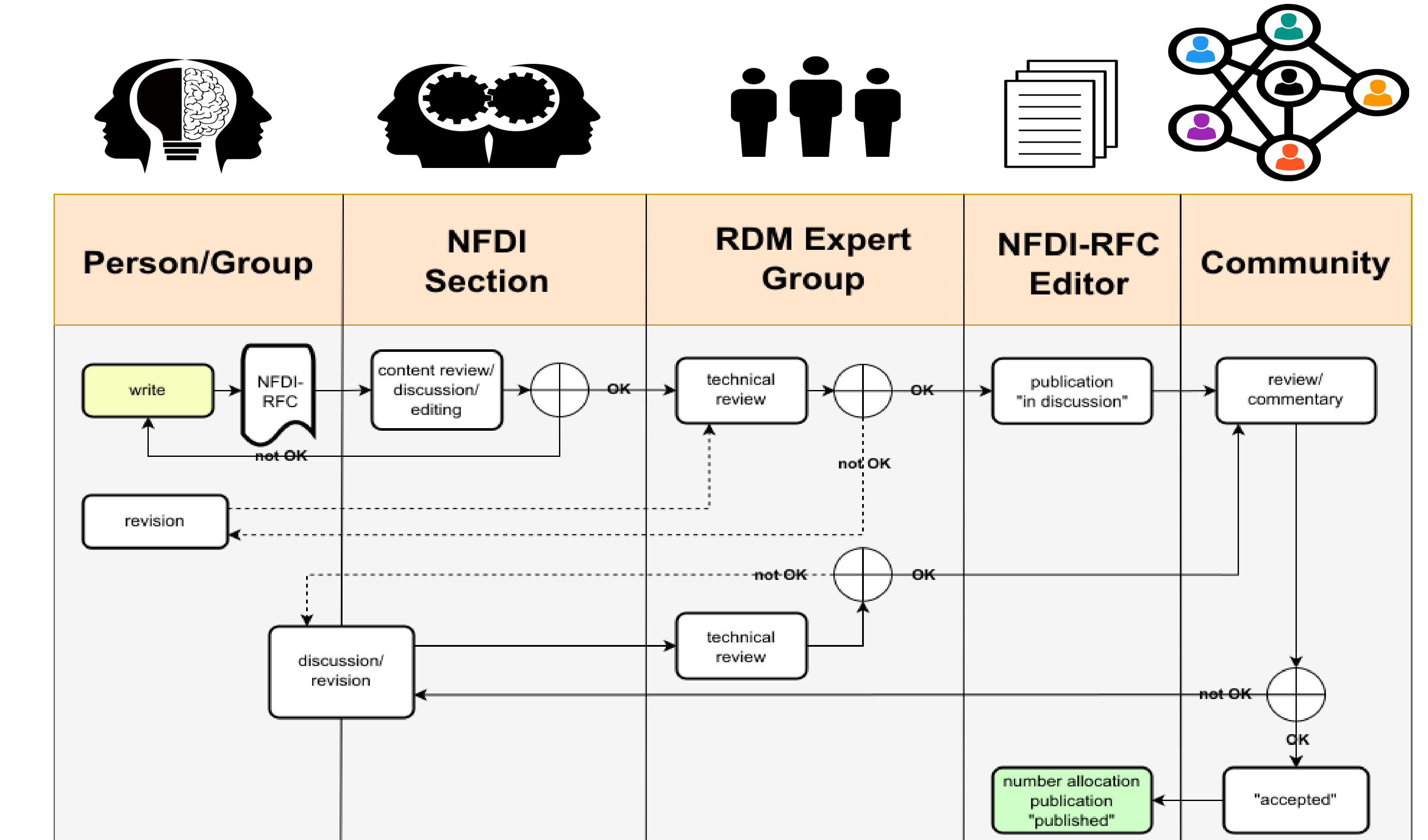
Development stages

Draft standard (Proposed):

- Draft for NFDI Best Current Practice documents
- Stable, well understood, and generally considered useful
- Stable enough to implement the standard in RDM applications

NFDI standard (Mature):

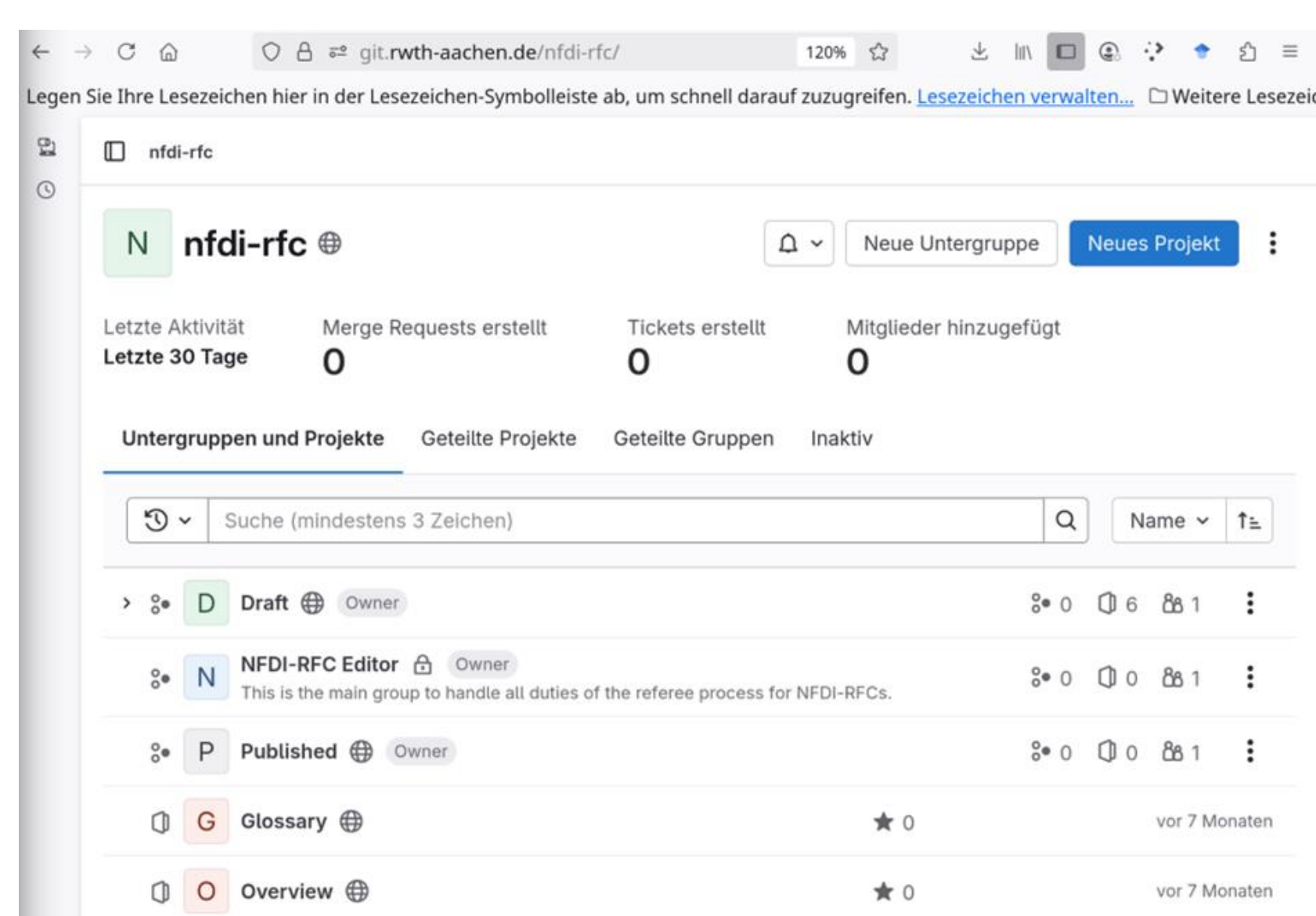
- Technically mature, widely implemented and of great benefit to RDM in science
- Standard for all consortia
- Approved by Science Council and/or other standardization committees



Approach to development and provision

- Based on the concept of the IETF (Internet standards), the NFDI developed its own NFDI-RFC concept
- Extracted from best practice examples for broad reuse in the various NFDI initiatives and specific domain communities
- The aim is to generate a new service in the NFDI framework

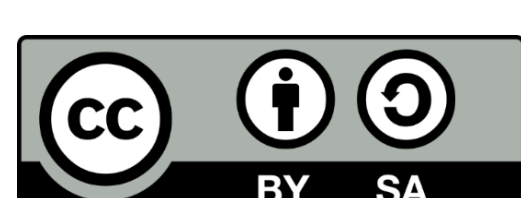
Access via NFDI4ING-GitLab



<https://git.rwth-aachen.de/nfdi-rfc/draft>

Contribution to NFDI's objectives

- Building a coordinated, networked RFC standardization service to develop sustainable interoperable RDM
- Creation of a reliable and sustainable service that covers overarching and subject-specific needs of RDM
- Establishment of a process and procedure accepted in scientific disciplines for the standardized handling of research data



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