From Basic Service to Community Practice: Integrating Base4NFDI Services in Text+

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Basic services enhancing the Text+ Data Space

Text+ provides a domain-specific infrastructure for language- and text-based research data within the NFDI (Eckart et al. 2025). Its community works with heterogeneous data types, including text collections, lexical resources, digital editions, repositories, metadata registries, and federated search environments. These research data are findable via the Text+ Data Space (Fischer et al. 2025). In this context generic basic services become valuable when they are integrated into workflows, tools, and support structures that fit established scholarly practices. Text+ has therefore approached the integration of Base4NFDI services not as a purely technical add-on, but as a way to strengthen its own data space, improve user experience, and create sustainable services for researchers.

Base4NFDI incubators in Text+

A central mechanism for this integration is the use of Base4NFDI incubators. In Text+, incubators provide practical settings in which basic services can be tested, adapted, and aligned with requirements regarding users and infrastructure. They create a feedback loop between generic service layers and the specific needs of language- and text-based research use cases. This allows Text+ also to contribute domain expertise, concrete implementation scenarios, and lessons learned back to the NFDI-wide service development process.

IAM4NFDI

In IAM4NFDI "Authorization on Objects" Text+ brings in repository-based use cases from TextGrid and DARIAH-DE repositories, where access to research data may depend on object-level rights, project contexts, or user roles. Together with GWDG, DAASI, and SUB Göttingen, the incubator evaluates technologies and develops prototypes for authentication and authorization in repository environments. This is relevant for Text+ because it supports secure, differentiated, and interoperable access to research data while remaining aligned with NFDI-wide IAM developments.

DMP4NFDI

Similarly, with DMP4NFDI Text+ has developed and adapted a community-specific Data Management Plan questionnaire (Gerstner, Jander 2026) using RDMO. It aligns with the NFDI-wide DMP template while preserving examples and questions that are meaningful for language- and text-based research. The incubator on template development, training, and outreach combine technical alignment with community engagement. Through workshops, surveys, and the "Show and Tell: Tools, Services, Projects" event series, Text+ collects feedback and supports researchers in integrating data management planning into their actual

research workflows. The Text+ specific catalogue is available via GRO.plan (https://plan.goettingen-research-online.de/projects/).

Jupyter4NFDI

Finally, with Jupyter4NFDI Text+ addresses an environment for reproducible, interactive, and tool-based research. Jupyter-based workflows are already relevant for Text+ services, for example in data processing, publication workflows, and the integration of tools for text and language data (Weimer et al. 2025). By engaging with Jupyter4NFDI, Text+ contributes to making computational environments more accessible and better connected to domain-specific data and services. Get started:
https://textplus.pages.gwdg.de/collections/mona-pipe/getting_started/getting_started/

Infrastructure Driven by Research Needs

Our incubators (for PID4NFDI see Böhm 2024) demonstrate that Text+ integrates basic services in a community-oriented and research-enabling way (Mirjalili et al. 2026). The added value lies not only in adopting shared infrastructure, but in making it usable for concrete scholarly practices. Text+ illustrates how basic services can become effective when they are embedded in domain expertise, existing services, consulting structures, and real research needs.

Keywords

Text+, integration, data space, sustainability, Base4NFDI, incubators, IAM, DMP, Reproducibility

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