

TS4NFDI: Harmonizing Terminology Services within NFDI

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Goal of TS4NFDI

An overarching research data management across all domains is built upon metadata describing research data and their generation. To make sure that disciplines can create and share a common understanding of the concepts and relations used to describe data, we need terminologies as a formal representation of domain knowledge. Terminology Services 4 NFDI (TS4NFDI) provides unified access to terminologies across all disciplines. TS4NFDI integrates or connects existing terminology services and, most importantly, reduces the efforts to integrate terminologies in any service or tool to manage research data. It provides a central access point to all terminologies and a suite of widgets that can be added to existing applications of the users. TS4NFDI supports cross-domain application, harmonization, and curation of terminologies.

TS4NFDI Terminology Service Suite

The TS4NFDI Terminology Service Suite (TSS) offers reusable and modular graphical user interface (GUI) widgets that can be integrated into existing terminology services or used to develop a domain-specific terminology service web interface. Additionally, these widgets can be incorporated into other web applications that provide semantic search functionality for data or facilitate data annotation in accordance with the FAIR principles. We will demonstrate how these widgets could be integrated to web services provided by NFDI4Immuno.

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Session Classification: Breakout