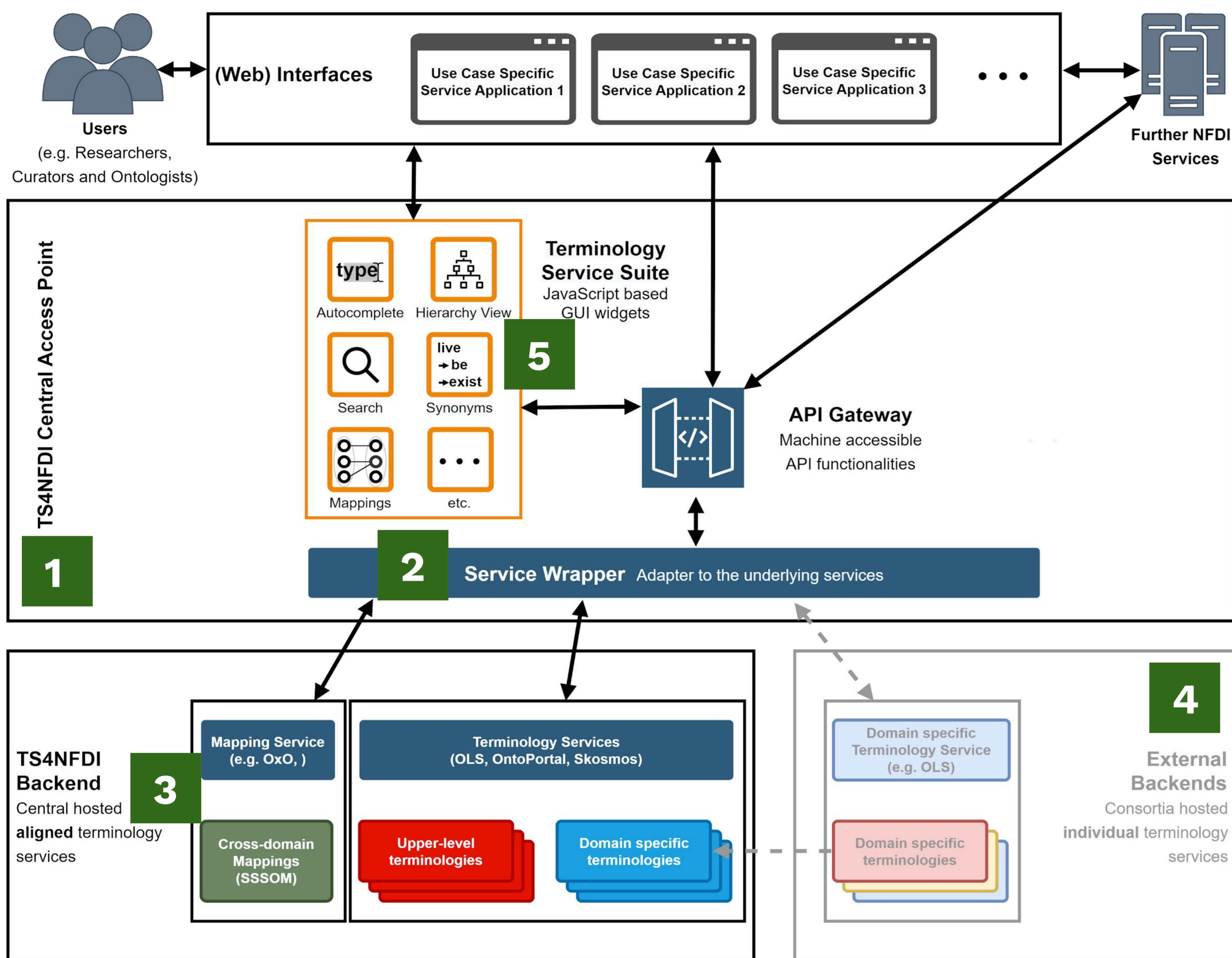


TS4NFDI: Harmonizing Terminology Services within NFDI

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Goal: Terminology Services 4 NFDI (TS4NFDI) is a **cross domain** service for the provision, curation, development, harmonization and mapping of terminologies. It aims to facilitate **consensus-building** and **interoperability** of services across disciplines to achieve a **shared** knowledge representation and knowledge engineering framework. The service seeks to integrate and converge individual solutions into a standardized, interoperable, and sustainable service suite



1 Standardised, harmonised and interoperable **access** to Terminologies across all integrated Terminology Services, available for all NFDI-services via the **Terminology Service Suite widgets** or the **API Gateway**.

2 Interconnection of existing Terminology Services (TSs) via a **Service Wrapper**. This allows for terminology use and management across disciplines, serving as a basis for terminology harmonisation efforts (Integration and Interoperability).

3 **SSOM based Cross-domain Mapping Service** to manage and provide mappings for terminologies as a central service.

4 **Support of external terminology services** as backbone is possible.

5 Javascript-based widgets that can be embedded in graphical user interfaces (UIs) to simplify UI development and visualization of semantic information in other NFDI services. This streamlines the process of integrating standard vocabularies and performing **semantic annotation on data**, as well as supporting the **data discovery** process.

The screenshot shows a search interface for 'strigops'. Below the search bar, there are four results:

- Strigops (NCBITAXON) > NCBITAXON:35547
- Strigops habroptila (NCBITAXON) > NCBITAXON:2489341
- Strigops habroptila (organism) (SNOMED) > 423701002
- Strigops habroptilus (NCBITAXON) > NCBITAXON:57251

 To the right, a hierarchical tree view shows biological taxonomy, with 'Strigops habroptila' highlighted under the 'Eukaryota' branch.

Access to the tools & documentation:

Widget Storybook: <https://t.ly/roOak>
 TS4NFDI repo: <https://github.com/orgs/ts4nfdi/repositories>
 Widget repo: <https://github.com/nfdi4health/semlookp-widgets>



More information and contact details:

Mail: ts4nfdi@lists.nfdi.de
 NFDI Rocket.Chat: <https://all-chat.nfdi.de/>
 Channel: #ts4nfdi; join via: <https://t.ly/-4wld>
 About the project: <https://base4nfdi.de/projects/ts4nfdi>

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