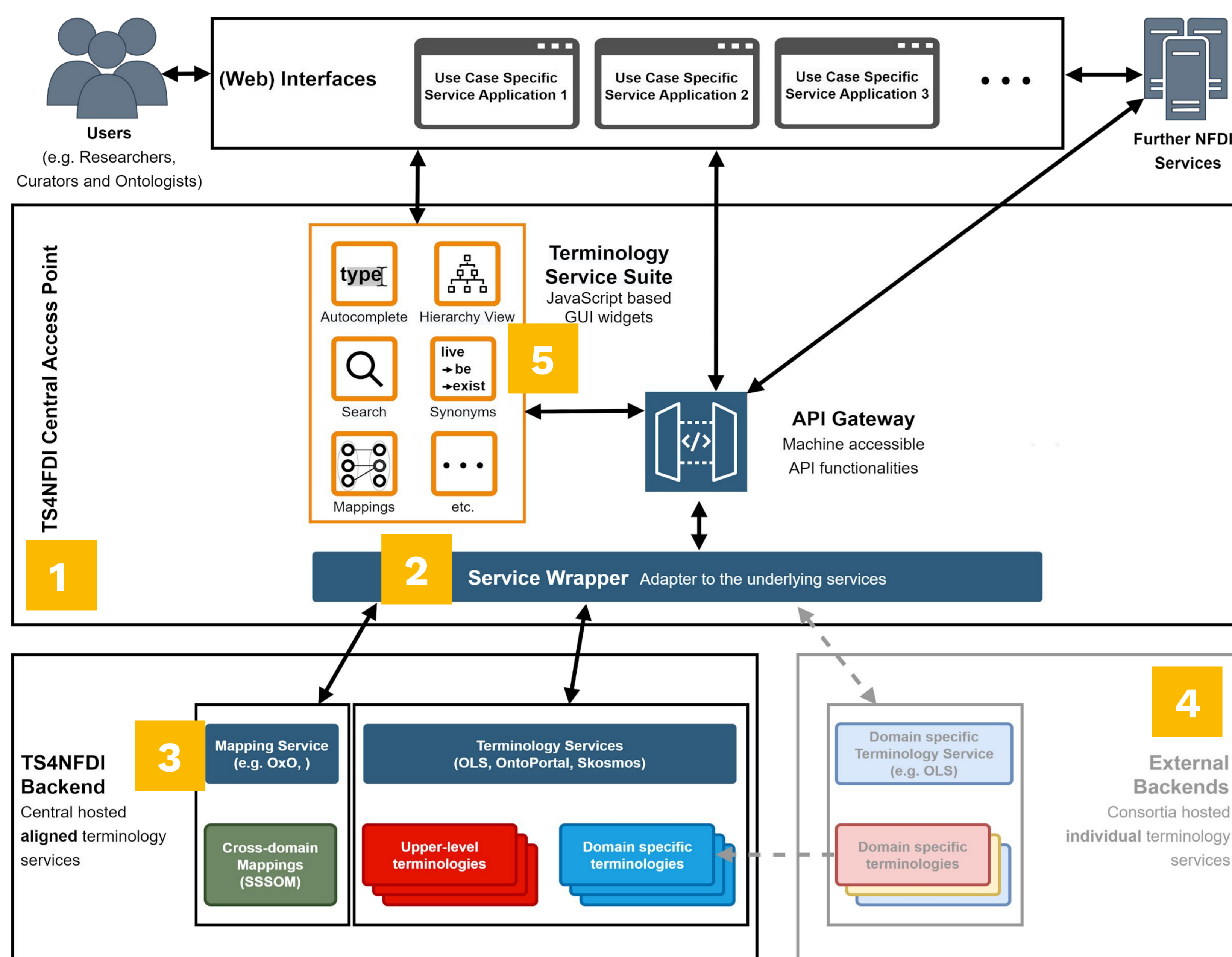


TS4NFDI: Harmonizing Terminology Services within NFDI

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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 Terminology 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 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

SSSOM 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'. The search results list several entries with their corresponding NCBI and SNOMED IDs. To the right, a hierarchical tree view displays the biological classification of 'strigops habroptila', showing its position within the taxonomic hierarchy from root to cellular organisms, eukaryotes, and finally to the specific species.

Access to the tools & documentation:



Widget Storybook: <https://t.ly/Aad7->
 TS4NFDI repo: <https://github.com/orgs/ts4nfdi/repositories>
 TSS widgets repo: <https://github.com/ts4nfdi/terminology-service-suite>

More information and contact details:

Mail: ts4nfdi@lists.nfdi.de
 NFDI Rocket.Chat: <https://all-chat.nfdi.de/>
 Channel: #ts4nfdi; join: <https://all-chat.nfdi.de/channel/ts4nfdi>
 About the project: <https://terminology.services.base4nfdi.de/>