

Pudel - Publication service for academic data models and vocabularies



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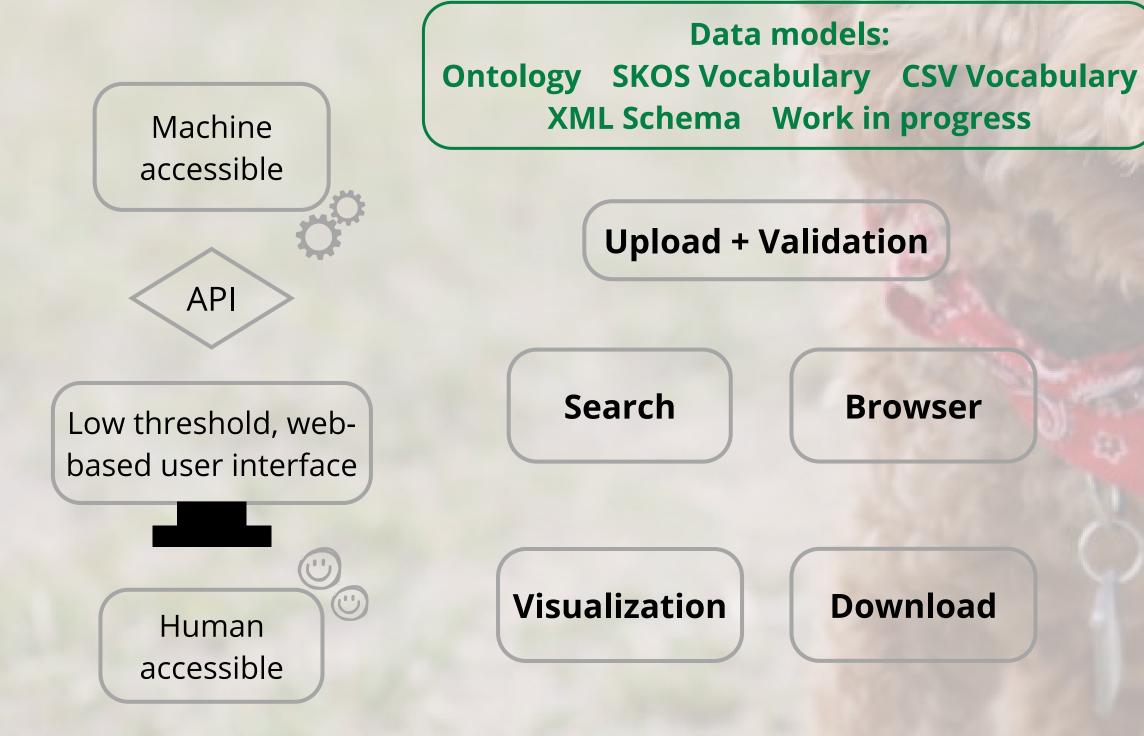
The problem

The documentation, publication and reusability of data models [1] does not often play a central role in research in the Humanities.

These data models are therefore difficult to find and to comprehend.

The goal

A web service that provides researchers with an easy-to-use way to search and publish data models, vocabularies and their documentation regardless of format, size and completeness in a FAIR [2] way.



Git-based Storage + Versioning

The Git-based storage backend allows to keep all versions of a data model easily accessible and comparable. The goal is to make changes in the data model transparent and easily understandable.

A prototype of the Pudel service is currently in development using an open source technology stack: Nuxt and Vue.js for the frontend; Python, Flask and Gitea for the backend and API; Docker for deployment. The service aims to support most commonly used RDF and XML formats and will provide stable, resolvable URIs for the data models.

References

- [1] Flanders, J., Jannidis, M. (2015), "Knowledge Organization and Data Modeling in the Humanities", http://nbn-resolving.de/urn:nbn:de:bvb:20-opus-111270.
- [2] Wilkinson, M., Dumontier, M., Aalbersberg, I. *et al.* (2016) "The FAIR Guiding Principles for scientific data management and stewardship", *Sci Data* **3**, 160018, https://doi.org/10.1038/sdata.2016.18.

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