

KNOWDIVE



KGE - Knowledge Graph Engineering

Trentino - Educational Facilities

KGE 2023 Project Proposal

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1 Project Objective

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Project Objective

- This project considers **Trentino** as the environment in which data about educational facilities should be integrated by building a **Knowledge Graph (KG)**.
- Such kind of data can encode the information about *institutions*, *type of institutions*, *study courses* and other related information supporting the digital university.
- The aim of the project is to create a KG which can provide information about the educational facilities of UniTn. This objective will be achieved through the **iTelos methodology** which facilitates creation of an education Knowledge Graph (KG) integrating data from different data sources.

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Purpose

The final KG can be used to provide a general purpose service helping the users (for example, potential students and parents) to find information about, for instance, the educational institutions and the courses they offer within the regional ambit of Trentino. This purpose can be described in form of a user request as follows:

"A service that will facilitate finding of schools, including details about the school and courses offered, in the region of Trentino based on city, commune, school type, course duration and teaching activities schedules."

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Data Resources

The potential data resources provided to achieve the project's objective are:

- **Open Data Trentino :**
[Education in Trentino](#)
- **Educational Institutions @ Trentino :**
[Educational Institutions in Trentino](#)
- **Study Courses @ Trentino Schools :**
[Study Courses in Trentino Schools](#)
- **Municipalities @ Trentino :**
[Municipalities in Trentino](#)

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Schema Resources

The potential schema resources provided to achieve the project's objective are:

- **VIVO (for modelling academics and research) :**
[VIVO](#)
- **AIISO (for modelling academic institution) :**
[AIISO](#)
- **INSPIRE (for modelling space) :**
[INSPIRE](#)
- **schema.org (for modelling common concepts) :**
[schema.org](#)
- **DCAT2 (for modelling metadata) :**
[DCAT 2](#)



KDI Knowledge and Data Integration



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Educational Facilities**