KNOWDIVE

KGE - Knowledge Graph Engineering

Trentino
Tourist Facilities

KGE 2023 Project Proposal

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Project Objective

- This project considers the **Trentino** region as the environment in which data about **tourist (hospitality) facilities** should be integrated by building a **Knowledge Graph (KG)**.
- Such kind of data can encode the information about *historic shops, hotels, B&Bs, guest houses, campsites, holiday homes, public transportation services* and other information supporting tourism in the region.
- The aim of the project is to create a KG which can provide information about the Trentino's tourist related facilities. This objective will be achieved through the **iTelos methodology** which facilitates creation of a tourist facility 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 tourists) to find information about the various tourism related hospitality facilities in the region of Trentino. This purpose, for instance, can be described in the form of the following user request:

> *"A service which help the users to know about different tourist facilities in Trentino."*

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Data Resources

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

- **Historic Shops @ Trentino** :
  Historic Shops of Trentino

- **Hotels @ Trentino** :
  Hotels in Trentino

- **Hospitality Facilities @ Trentino** :
  Hospitality Facilities in Trentino

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Schema Resources

The reference schemas provided to achieve the project's objective are:

- **GTFS Static (for modelling transportation)** :
  GTFS Static

- **iCal (for modelling time)** :
  iCal

- **INSPIRE (for modelling space)** :
  INSPIRE

- **schema.org (for modelling common concepts)** :
  schema.org

- **DCAT2 (for modelling metadata)** :
  DCAT 2

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