KGE - Knowledge Graph Engineering

Trentino Agritourism

KGE 2023 Project Proposal

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Project Objective

- This project considers the **Trentino territory** as the environment in which data about agritourism facilities should be integrated by building a **Knowledge Graph (KG)**.

- Such kind of data can encode the information about *agritourism facilities and their various tourism related aspects* + potential *transportation services to commute to such facilities* + any other related information supporting them.

- The aim of the project is to create a KG which can provide information about the agritourism facilities of Trentino region. This objective will be achieved through the **iTelos methodology** which facilitates creation of an Agritourism Knowledge Graph (KG) integrating data from different data sources.

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Purpose

The final agritourism KG can be used to provide a general purpose service helping the users (for example tourists) to find information about the agritourism 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 agritourism facilities in the region of Trentino."*

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Data Resources

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

- **Open Data Trentino** :
  https://dati.trentino.it/group/agricoltura

- **Agritourism @ Trentino** :
  https://dati.trentino.it/dataset/agriturismi-del-trentino

- **Trentino Transporti** :
  https://www.trentinotrasporti.it/open-data

- **Open Mobility Data** :
  Trentino Urban +/ ExtraUrban Transportation Data

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Schema Resources

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

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

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

- **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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**Trentino
Agritourism**