



KNOWDIVE



KGE - Knowledge Graph Engineering

Trentino Health Facilities Connectivity

KGE 2023 Project Proposal

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Project Objective

- This project considers the **Trentino region** as environment in which heterogeneous data about the **healthcare facility connectivity** should be integrated.
- Such kind of data carry the information about *hospitals, pharmacies, parapharmacies, rehab centres, medical centers, drugs, doctors + transportation services* + other information supporting the healthcare facilities connectivity in Trentino.
- The aim of the project is to create a knowledge base able to provide information about the transportation services linking Trentino's health facilities. This objective will be achieved through a data integration process that will create a healthcare connectivity Knowledge Graph (KG) integrating data from different sources.

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Purpose

The resultant KG can be used to provide a general purpose service helping the users (for example patients) to find information about the transportation services linking healthcare facilities in Trentino. This purpose can be described, in form of user request, as follow:

"A service which help the patients to find information about how to commute to different healthcare facilities in Trentino."

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Data Resources

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

- **Open Data Trentino :**
<https://dati.trentino.it/group/wellbeing>
- **Health Analysis Sampling Points @ Trentino :**
[Heath Analysis Sampling Points](#)
- **Parapharmacies @ Trentino :**
[Parapharmacies](#)
- **Public Heath Facilities @ Trentino :**
[Public Heath Facilities](#)
- **Trentino Trasporti :**
<https://www.trentinotrasporti.it/open-data>

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Schema Resources

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

- **FHIR - Levels - 3,4,5 (for modelling healthcare) :**
[HL7-FHIR](#)
- **GTFS Static (for modelling transportation) :**
[GTFS Static](#)
- **iCal (for modelling time) :**
<https://www.rfc-editor.org/rfc/rfc5545>
- **INSPIRE (for modelling space) :**
[INSPIRE](#)
- **DCAT2 (for modelling metadata) :**
<https://www.w3.org/TR/vocab-dcat-2/>



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**Trentino
Health Facilities Connectivity**