



KGE - Knowledge Graph Engineering

Trentino Sport Facilities

KGE 2023 Project Proposal

1 Project Objective

2 Purpose

3 Data Resources

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Project Objective

- This project considers the Trentino region as environment in which heterogeneous data about sport facilities should be integrated.
- Such kind of data carry the information about sport typology, sport facilities, sport facility management + 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 sport facilities in Trentino. This objective will be achieved through a data integration process that will create a sport facility 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, players) to find information about sport 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 sport facilities in Trentino."

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Data Resources

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

- Sport Facilities @ Trentino : Sport Facilities in Trento
- Sports @ Trentino : Sports in Trentino
- Trentino Transporti : https://www.trentinotrasporti.it/open-data

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Schema Resources

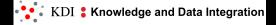
The reference schemas provided to achieve the project's objective are:

BBC Sport Ontology (for modelling sports-related concepts):
BBC Sport Ontology

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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