



*KNOWDIVE*



KGE - Knowledge Graph Engineering

# Trentino Sport Facilities

**KGE 2023 Project Proposal**

# Contents

- 1 Project Objective**
- 2 Purpose**
- 3 Data Resources**
- 4 Schema Resources**

# Contents

- 1 Project Objective**
- 2 Purpose
- 3 Data Resources
- 4 Schema Resources

## 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.

# Contents

**1** Project Objective

**2** Purpose

**3** Data Resources

**4** Schema Resources

## 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."*

# Contents

**1** Project Objective

**2** Purpose

**3** Data Resources

**4** Schema Resources

# 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 Trasporti :**  
<https://www.trentinotrasporti.it/open-data>



# Contents

**1** Project Objective

**2** Purpose

**3** Data Resources

**4** Schema Resources

## 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/>



**KGE 2023 Project Proposal**



**Trentino  
Sport Facilities**