



Digital University @ UniTn - Theses+Pubs+Staff

KGE 2023 Project Proposal

1 Project Objective

2 Purpose

3 Data Resources

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Project Objective

- This project considers the **Digital University** of the University of Trento as the environment in which data about theses, publications and staff should be integrated by building a **Knowledge Graph (KG)**.
- Such kind of data can encode the information about students, theses, supervisors, degrees, publications, conferences, journals, staff, positions and other related information supporting the digital university.
- The aim of the project is to create a KG which can provide information about the theses, publications and staff of UniTn. This objective will be achieved through the iTelos methodology which facilitates creation of a Digital University 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, potential students, researchers and/or employers) to find information about, for instance, the academic and research lines pursued at UniTn. This purpose can be described in form of a user request as follows:

"A service which help the users to query and know about the different areas of academic and research interest being pursued at the University of Trento."

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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/cultura

■ Thesis @ UniTn : UniTn Theses

■ Publications @ UniTn : UniTn Pubs

■ Staff @ UniTn : UniTn Staff

1 Project Objective

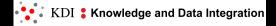
2 Purpose

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Schema Resources

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

- VIVO (for modelling academics and research) : VIVO
- AllSO (for modelling academic institution) :
 AllSO
- FOAF (for modelling persons and their relations) : FOAF
- schema.org (for modelling common concepts) : schema.org
- DCAT2 (for modelling metadata) : DCAT 2





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