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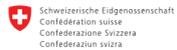
## Consortium

Coordinated by

Univerza v Ljubljani  
Universitas  
Ljubacensis



Includes experienced partners with long-standing years of work in the fields of geospatial technologies, 3D mapping and business planning.



Federal Office of Topography swisstopo



UNIVERSITY OF TWENTE.



Within the 1-year project, a formal and strong cooperation will be developed between the involved partners to provide the platform for knowledge transfer and strengthening of the research and innovation capacities in the widening country (Slovenia), with still various research and innovation (R&I) performance measures below EU thresholds, as well as wider in the region.

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## Contact

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**SLICE3D**

# Slovenian Centre of Excellence on 3D Geodata

SLICE3D is a one-year project dedicated to the preparation of a scientific and innovation strategy together with the business plan for the realization of the Centre of Excellence.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 763641.

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## Our Goals



The ambition is to create a Centre of Excellence, which will achieve strong medium and long term scientific presence at the European and at the wider international level.



The focus of SLICE3D will be to realize excellence through education programs and R&I projects using cutting edge geospatial technologies.



Tangible results are supplied to market players. The Centre will thus be an important technology bridge for the industrial use of research results.



Beside the scientific goals, the societal and economic contributions are emphasized. For this purpose, in synergy to the scientific agenda, a clear innovation path is foreseen.



These will ensure scientific excellence and a strong positioning of Slovenia within the aforementioned domains.

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## About

The SLICE3D (Slovenian Centre of Excellence on 3D Geodata) one-year project, financed in the framework of the widening actions under the Spreading Excellence and Widening Participation part of Horizon 2020, is **dedicated to the preparation of a scientific and innovation strategy together with the business plan for the realization of the Centre of Excellence.**

The main idea of the centre is **to strengthen the research and innovation capacities of Slovenia in the fields of Geo-data acquisition and 3D/4D Geo-data modelling**, consequently also in the other fields related to Geo-data and spatial decisions.

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## Geodata

Geodata, traditionally mostly represented and visualized in the form of 2D maps, have always been used for different human decisions. In history, good maps often meant the difference between success and failure and it is not unusual to find that maps have played a very important role in modern decision-making. As most of human decisions are directly or indirectly related to a location, spatial data are treated as a foundation for sustainable development and better governance.

Nowadays the complexity and dynamics of the built as well as natural environment require three-dimensional spatial data (3D Geodata), with the additional temporal dimension (4D Geodata) to better monitor, control, and manage spatial dynamics.

Geospatial data are essential in applications like urban and rural planning, management of natural and other resources, logistics, emergency mapping and response, territorial management, assessment of renewable energy, agriculture and forestry, etc.

Furthermore it is very common to search for the location of a place using a mobile device and a digital map, associate the finding of an archaeological artefact using maps and boundaries, understand environmental changes using multi-temporal land-use maps, install photovoltaic panels according to simulations based on 3D buildings models and topographic data, address social and governance issues with geospatial solutions, plan civil protection interventions on real-time updated maps, etc.