



OS Walkability & Bikeability

Project duration:
06. 2022 - 12. 2022

Involved staff:
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Role Z_GIS:
Open Source Entwicklung

Website:
<https://mobilitylab.zgis.at/portfolio/os-walkability-bikeability>

Funding | contracting agency: Trafficon - Traffic Consultants GmbH

Initial situation:

Our contractor, TraffiCon - Traffic Consultants GmbH, is responsible for the thematic focus on mobility in the project “Spatial Energy Planning for Energy Transition” (GEL S/E/P II). The aim of this project is to consider electricity and mobility as relevant variables in energy spatial planning. In order to estimate the suitability of road space for pedestrians and cyclists and to calculate the respective potential for sustainable mobility, the project consortium needs evaluation models that have been developed at the University of Salzburg in recent years. In order to ensure that the spatial assessment models (walkability and bikeability index) can be used as easily and sustainably as possible, the code base will be made available as an OpenSource project.

Project goals:

- OpenSource Repository for the calculation of walkability- and bikeability-indices

Expected results:

- Algorithms for calculating walkability- and bikeability-indices based on available road graphs.

Contribution Z_GIS:

- Development walkability- and bikeability-indices.
- Publication of code in an OpenSource repository.
- Initial calculation of walkability and bikeability for various study areas.
- Documentation.

