

Layered City



Short Name

Layered City

Formal Name

Layered City

Contact Person

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Institution/Organisation

Technische Universität Wien (TUW)

Website

TBC

Social Media

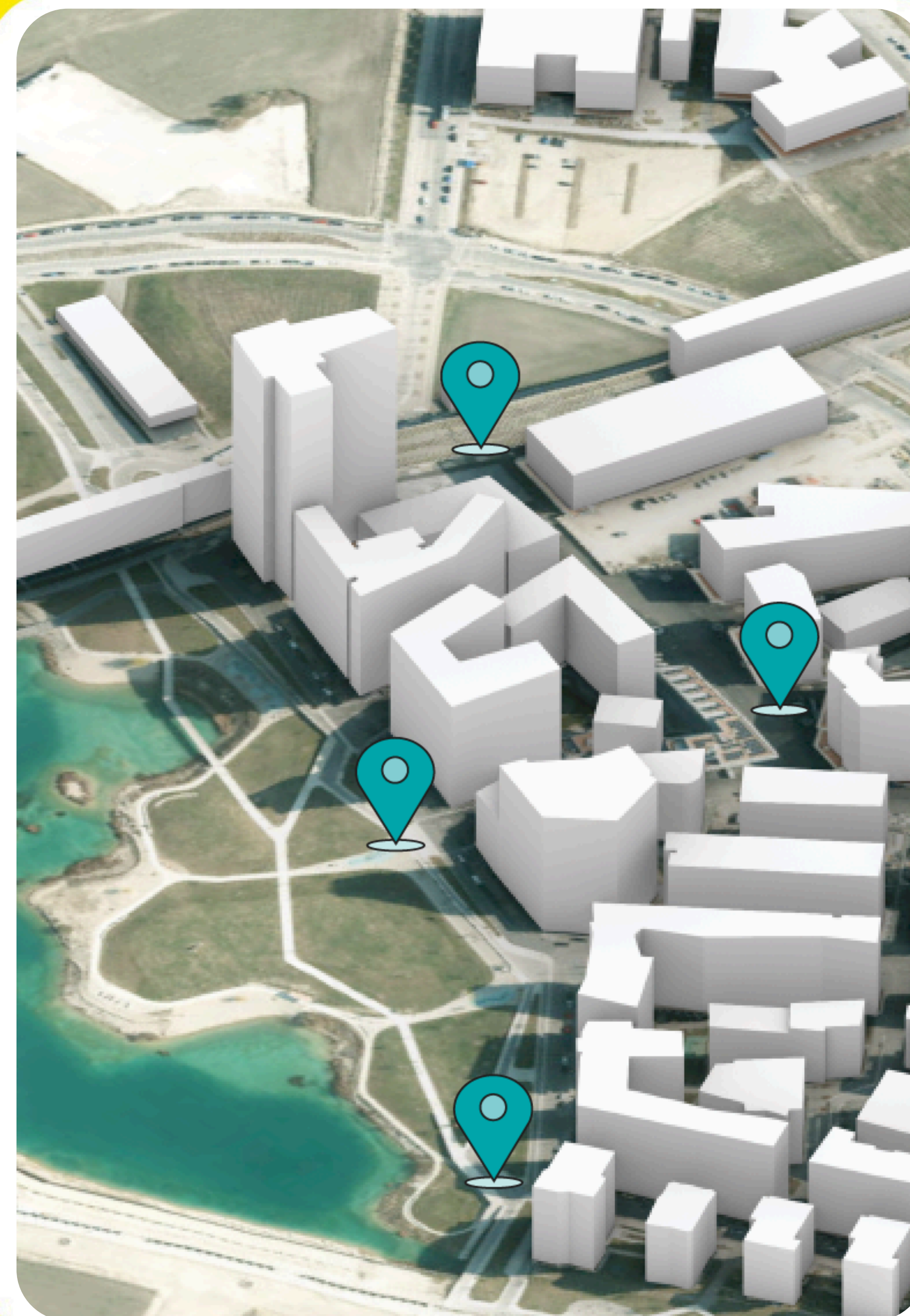
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Engaging with the underrepresented groups to reveal, inform, and overcome diverse layers of urban mobility challenges.



Summary

We are building a socially conscious framework that integrates subjective community knowledge and existing urban data to reveal, inform and overcome the contemporary challenges of urban mobility. The aim is to reorganize individual observations of citizens into collective knowledge, providing real-time mobility insights and actionable results. Navigating urban places often poses challenges related to movement, traffic protection, climate comfort, night lighting, noise levels, greenery and more. Based on a scientific approach, our groundbreaking mobility dashboard translates these challenges into concrete, site-sensitive indicators, or “layers” of urban mobility that the citizens can identify, map, and visualize. Our innovative mobility dashboard goes beyond traditional data-driven approaches, merging the emotional and experiential knowledge generated by citizens with open data to produce meaningful simulations of key mobility phenomena.

These interactive simulations, visualized as heatmaps, measure the (un)favorability of movement in various urban areas, providing a context-specific roadmap for improvement based on collective intelligence. By engaging with citizens, especially those with functional diversity, the elderly, and minors, we aim to bridge knowledge gaps and foster a more inclusive, citizen-centered approach to urban mobility.