Bani Anvari

Lecturer University College London

Personalising urban commuting for better health

ai-trawell.eu
@AI_TraWell
bani-anvari
b.b.anvari

Main product:
AI-TraWell

Aim:
To provide personalised healthy commuting alternatives to urban citizens

Generated funding:
EUR 1 558 756

Challenge:
Daily commutes

Partners:
Open & Agile Smart Cities, the cities of Copenhagen, Istanbul, Lublin and Munich, Achmea, Gehl Architects, ISBAK, Münchner Verkehrs- und Tarifverbund, TomTom, Eindhoven University of Technology, Fraunhofer Society, University College London.

eit Awards INNOVATORS

Powered by:

eit Urban Mobility

THE PROJECT

The idea
AI-TraWell is an AI-powered, proactive chatbot for smartphone devices to recommend personalised travel alternatives that fit travellers' needs and preferences and promote long-term health and wellbeing for all citizens living or moving within our cities.

Inspiration
In London, I witness every day how people struggle with daily frustrations, including overcrowded streets, congested and lengthy urban commutes, uncomfortable temperatures, overcrowding, and delays. I wanted to find a constructive solution.

Unique selling points
AI-TraWell encourages people to share these subjective personal attributes when moving within the city. It provides interactive and personalised multi-modal navigation that positively affects user health and delivers incentive strategies to promote positive behavioural change.

Societal impact
The solution improves physical and mental health by reducing exposure to highly polluted areas as well congestion and overcrowding in existing mobility services, which promotes urban growth management and more inclusive societies.

EIT Community support
Thanks to the EIT Community, we enhanced our solution, gained knowledge of the effect of cultural differences' on mobility choices, validated our methods through case studies in various cities to foster scalability, and accessed data through building research partnerships.

THE NOMINEE

The beginning
Being involved in EIT Urban Mobility, I saw a great opportunity to work with cities on a solution to tackle the mobility challenges I experienced in London each day.

Partnerships & Teamwork
OASC is responsible for the co-creation of the solution through citizen engagement. Copenhagen, Istanbul, Lublin, and Munich help us with pilot studies, data collection and extension strategies. Gehl architects provide environmental insights for our travel strategies. ISBAK and IMM work on large-scale implementation through integration in mobility apps, while MVV, TomTom, TU/e, Fraunhofer IML, and UCL help us develop models with greater insight, data and feedback.

Rewarding moments
From forming a small consortium to being nominated for this award, the entire AI-TraWell journey has been extremely rewarding.

> The consortium was strategically formed to reflect all disciplines crucial to delivering our solution in an effective way.