



From local traffic data to evidence-based environmental policies

Goal of the session

How can traffic data help to gain deeper insight into air quality hotspots and other environmental challenges at the local scale? How can co-creative traffic measurements and modelling lead to more data-driven urban traffic and air quality policy planning?

In this session, the CityTRAQ pilot in Antwerp serves as an example to explore these questions. The Antwerp pilot combined traffic counts using Telraam indoor and outdoor devices with the Flemish Flomovia traffic propagation model to improve air quality maps and CO2 emission calculations, with a focus on logistics and heavy traffic.

Presentations

- Telraam: Traffic data in collaboration with local citizens (Kris Vanherle)
- The Flomovia traffic propagation model: Base layer for the Flemish air quality maps (David Roet)
- CityTRAQ pilot Antwerp: Improving air quality maps through traffic counting (Raf Verbruggen & David Roet)

Discussion

The discussion focused on the use of traffic sensors – such as Telraam – and traffic models by local governments for various purposes, not only for air quality policy planning, but also for mobility policies relating to logistics, pedestrians and cyclists, as well as for setting up participative traffic counting with citizens and schools.

The value of these instruments for local policy making was clearly acknowledged by the participants of the session.

