



WALCC

World Alliance for Low Carbon Cities

» Newsletter
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Nordic Urban Mobility 2030



Climate change has spurred a new age of innovation in the mobility field which has produced new technologies for mobility and an evolving array of related services that are contributing to a comprehensive transformation in transport. As the world's governments commit to emissions reduction targets, it falls to local governments to enact legislation and policies to realize these targets.

Together with Synocus Group, the Alliance is exploring how urban mobility will look in 2030; how climate change is taken into account in decisions, how new innovations are adopted, how traffic affects the well-being of residents, and what challenges and opportunities cities see in future forms of transport.

We will develop different perspectives on the future of how the change in mobility will affect urban activities and, consequently, the daily lives of the inhabitants. By mapping measures, reactions, milestones, and groundbreaking events, we will provide a reference framework that enables cities to respond to change. As the world undergoes a revolutionary change in traffic, this is a good time to look at the potential avenues cities can explore in the evolution of paths for mobility.

These perspectives will be developed through a scenario analysis based on an in-depth understanding of the transport systems of Nordic cities and their challenges and developments. The first phase of this analysis will commence in early 2019 with a comprehensive mapping

of the needs of the largest Nordic cities in an effort to understand how cities view the coming developments. We will also complement this background analysis by collecting the perspectives of contributing experts in the field which will provide a view of the technological advances and service innovations shaping the field over the next decade.

The understanding developed throughout these early phases will feed into the formation of a series of future scenarios which will then be assessed in a series of multi-party workshops held throughout the spring. These workshops will form a vision of the pathways towards realizing the proposed future scenarios which will then be published in the form of a report launched in July 2019.

For more on the Autonomous Vehicles and Mobility services ecosystem, visit avm.walcc.org.



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Interview themes

The interviews conducted with city representatives and mobility industry experts will explore the following set of core themes:

- Private, public, shared and light traffic
- Geographical considerations
- Urban areas
- Electric vehicles
- Digital technology
- New solutions
- Legislation and funding
- Demographic challenges

Nordic Urban Mobility 2030 milestones



WALCC joins Nordic Innovation funded project

The Alliance is one of five organizations comprising the “E-Mobility System Architecture” project which is funded by Nordic Innovation. The project will develop a systems architecture for electric mobility from a user perspective. Running from January to March, the first phase of this project will define the scope of the system architecture and its main subsystems and functionalities. The development of this systems architecture would be continued in a separate second phase which would run through 2021.

This project will also allow the Alliance to expand the network of experts contributing to the Nordic Urban Mobility 2030 scenario project to include a Nordic perspective.

About Scenarios

Methodology and history

- Scenarios provide a tool for organizing views about alternative future environments, where today’s decisions might be played out, in order to broaden the perspective of decision makers.
- Scenarios are powerful planning tools precisely because the future is uncertain; scenarios present alternative visions instead of extrapolating current trends from the present.
- Scenarios also embrace qualitative perspectives and the potential for sharp discontinuities that are not accounted for by traditional planning methods.
- Building scenarios through a participatory process allows new innovative views to emerge in a constructive way, where the scenarios act as transitional objects in facilitating the discussion and encouraging “unspeakable” issues to be raised.
- Originally scenarios were used in the military field, e.g. as a planning tool in World War II.
- The Shell Group was a pioneer in scenario building in the business world. Using scenario method helped Shell to prepare for the oil crisis in the 70s and emerge as one of the leading oil and energy companies in the world.

Past experience

- The Synocos Group has been working with scenarios since the early ‘90s. The results of a scenario analysis conducted in 2009 on future urban living were published in the Eco Urban Living report.