



UBC Sustainable Cities Commission

“Making it possible together”



Union of the Baltic Cities

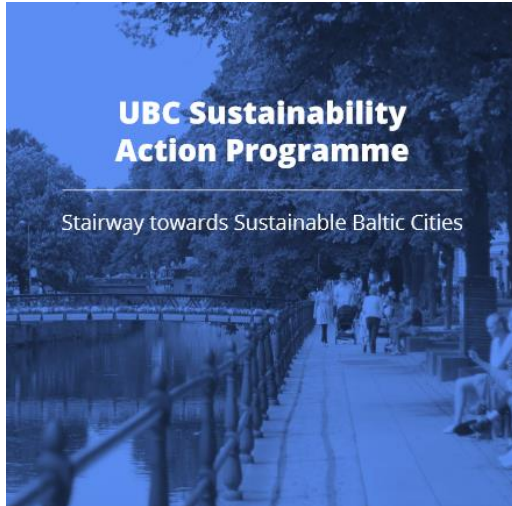
Sustainable Cities Commission

Focus areas:

- Sustainability management
- Local climate work
- Water management
(waste water, storm water)
- Sustainable urban mobility and
planning
- Maritime and port policies

Hosted by the City of Turku,
Finland, since 1997

Guiding strategies for smart sustainable development



UBC Sustainability Action programme 2016 – 2021

The programme gives a strategic direction of how to realize of our vision of the UBC cities in the future
– ***creating a smart, safe and sustainable Baltic Sea Region.***

Coordinated by the Sustainable Cities Commission, in the City of Turku

UBC Sustainability Action Programme 2016–2021:

Our vision for Sustainable UBC cities until 2020 and beyond:

“UBC cities will be climate-smart, providing a good ground for green economy to grow, while being resource-efficient and sustainable in all their activities as well as protecting the environment and waterbodies in the Baltic Sea Region.

They will increasingly be known as global forerunners when it comes to creating inclusive, diverse, democratic, gender equal, high quality living environment for their inhabitants.”

**BALTIC SEA REGION
COUNTRIES**

**Green urban
economies**

**Sustainable
urban
ecosystem
and natural
resources**

**Baltic Sea
and its
catchment
area**

**Climate-
smart Baltic
cities**

Our Goal:

To make the UBC cities global green economy leaders providing good opportunities for innovative green and clean tech businesses and enable resource efficient economic activities. To support UBC cities on the way to a circular economy. To make UBC cities sustainable in their own economic activities.

Green urban economies

Municipalities and cities have an important role in fulfilling the **EU 2020 targets** and have a clear role for enabling **green growth**.

Circular economy
Share economies
Industrial symbiosis

Our Goal:

To make UBC cities leaders in resource efficiency, sustainable urban planning and biodiversity.

To have UBC cities that are ton toxic and have a rich biodiversity.

Sustainable Urban Ecosystems and Natural Resources

Attractive and prosperous UBC cities have clean and safe environments and they use all **resources efficiently**.

Integrated Management approach
Integrated urban planning
Decreasing hazardous substances

Our goal:

*To make UBC cities leaders in integrated water management
To improve the ecological state of the Baltic Sea*



Baltic Sea and its catchment area

Due to alarming state of the Baltic Sea, **improved water management** has become an important goal for the countries around the Baltic Sea.

**Integrated water management
Integrated Storm Water management
Coastal area management**

Our goal:

To make the UBC cities climate change leaders in Europe and globally, to initiate and implement climate smart urban development (incl. climate smart-sustainable districts, mobility models, energy efficient transport – building planning)

Climate-smart Baltic Cities

Climate change aspects into consideration in their entire decision making e.g. in **urban planning, mobility planning, energy related actions** (efficiency, production), **buildings**.

Attractive and livable cities
Carbon Neutrality by 2040

Running projects 2017 – 2018 →

Project focus	Name	Strat. focus	Funding source
WATER MANAGEMENT			
Stormwater management	iWATER	UBC cities	Central Baltic Programme
Wastewater Management	IWAMA	UBC cities	BSR VB
TurkuRegion Water sector concept	Vesikonsepti	Fresh/Waste water companies	Local funding
URBAN MOBILITY			
Urban Mobility	CIVITAS ECCENTRIC	Sustainable Mobility...	Horizon2020
Urban SUMP	SUMPs-Up	Sustainable urban mobility pl	Horizon2020
Urban Mobility	Cities Multimodal	Multimodality	BSR VB
Urban logistics	CityLogistiikka	Sustainable logistics	6.Aika
SMART URBAN PLANNING/ ENERGY EFFICIENCY			
Urban Lab	Baltic Urban Lab	Brownfield development	Central Baltic Programme
Climate district Skanssi	Skanssi	Smart city solutions	TEKES / Nat. Finnish funding
Energy, urban planning	Carpe Essence	Smart cities	7th Framework Programme
Energy Smart Cities	EKAT	Energy efficiency in buildings	6.Aika
Turku Energy Transformation	Energiäkäännö	Energy transformation	SITRA + Turku
Climate Adapt	Climate Adapt	Climate adaptation workshops	CBSS
RESOURCE EFFICIENCY – CIRCULAR ECONOMY			
Ecobudgeting	Ekotuki	Resource wise	Local city funding
Kalustekierrätysjärjestelmä	Kalustekierrätys	Resource efficiency	Turku

Implementation of the UBC SD AP 2016 - 2021

Newly accepted project applications

<u>Name</u>	<u>Theme and Strategy</u>	<u>Source</u>
BSR Water Platform	Capitalization of water project results	BSR VB
Canemure	Energy Efficiency	LIFE+
Cascade	Climate Change and civil protection	DG ECHO

Applications waiting for answers:

<u>Name</u>	<u>Theme and Strategy</u>	<u>Source</u>
HUPMobile	Multimodality Port and further	BSR VB
eWater	Storm Water Management	BSR VB

Under preparation

<u>Name</u>	<u>Theme and Strategy</u>	<u>Source</u>
HORIZON:	"Local 2050 Roadmaps to benefit the Energy Union - Citizens, local stakeholders and local authorities to create pilot local energy transition roadmaps"	
HORIZON:	"New forms of entrepreneurship in the context of urban regeneration, with cultural and social impacts"	
NCM:	"Regeneration of Old city center"	
CB Interreg	"Multimodality Port and further, last mile.."	

Target Call: Interreg Central Baltic

Priority 1 Competitive economy: 3,2M€

SO 1.1 New Central Baltic knowledge intensive companies

SO 1.3 More exports by the Central Baltic companies to new markets

Priority 2 Sustainable use of resources: 2,1M€

SO 2.1 Natural and cultural resources developed into sustainable tourist attractions

Priority 3 Well-connected region: 1,8M€

SO 3.1 aim is to improve transport flows of people and goods.

Priority 4 Skilled and socially inclusive region: 1M€

SO 4.1 More people benefiting from stronger Central Baltic communities

The Challenge

Sustainable urban mobility is a highly complex challenge. Typically, stakeholders form their viewpoints based on their closest needs, tasks and competences, often neglect the bigger picture in sustainable urban mobility. For instance, commercial companies assess their local production logistics starkly different than city planners assess the needs urban logistics.

This becomes evident in Baltic Sea port cities, with trucks serving production and urban logistics congesting the same streets. At the same time, peri-urban commuters, when combining daily chores or picking family members during their daily commute, are inclined to use their own cars. Their “private logistics” within the urban fabric are determined by their daily routines and lifestyles. Most of such traffic causes harmful emissions and affects the well-being of citizens.

Thus there is a need for an interdisciplinary approach, integrating the different stakeholders’ and urban mobility participants’ viewpoints into a holistic understanding of sustainable urban mobility. Specifically, transportation planners and public authorities in the cities surrounding the Baltic Sea demand a concrete approach to sustainable urban mobility management, which is also applicable to logistic operators, transportation hubs such as ports, major urban employers, and public authorities in general.

Such comprehensive framework is expected to enable and integrate mobility innovations when optimizing urban mobility for sustainability.

Multimodality Port and further, last mile's

Target groups: **city planners, urban transport actors** in **Central Baltic Sea port cities**

transportation planners and public authorities in general

focus on port cities (below)

infrastructure providers and operators

transport users

logistic operators

urban innovation catalysts

major urban employers

Port cities (in alphabetical order)

Riga, Stockholm, Tallinn, Turku

Adds value to previous/ongoing Interreg BSR projects, building on their outputs

- [SUMBA](#) (Sustainable urban mobility and commuting) via Borough of Hamburg-Altona
- [Cities.multimodal](#) (urban transport system in transition towards low carbon mobility) via Union of the Baltic Cities Sustainable Cities Commission
- [Baltic Urban Lab](#) (tools for stakeholder participation) via Tallinn, Riga, City of Turku
- [CIVITAS ECCENTRIC](#) (greener urban logistics) via Turku and Stockholm
- [TENTacle](#) (sustainable growth) via Lahti and City of Gdynia
- [Scandria@2Act](#) (deployment of multimodal transport services and multilevel governance mechanism) via City of Turku and Helsinki-Uusimaa Regional Council
- [NSB CoRe](#) (sustainable accessibility to freight and passenger transport) via city of Tallinn and Helsinki-Uusimaa Regional Council

Contributes to policies and strategies relevant to the BSR

[Europe 2020 strategy](#)

European Union Strategy for the BSR ([EUSBSR](#))

Trans-European Transport Networks [TEN-T](#)

HUPMOBILE approach in Turku

Holistic approach in **planning** sustainable urban



Demonstration site



Topic expert: on request (for benchmarking)

Facilitator

WP facilitator: Expertise: Research on new ways of work, work-related travel, networked business models, electrification of travel, spatial planning, crowdsourcing and participatory processes

Activities

1. Elaborating the needs for the new Port of Turku logistics
 - Data analyses and simulations about mobility needs
 - Stakeholder workshops
 - Benchmark of existing Baltic solutions
 - Creating land-use and marketing plans
2. Mobility and Accessibility Plan for "Linnakaupunki" area residents
 - Co-creation with residents
 - Stakeholder workshops
 - Creating land-use and mobility plans
3. Mobility needs for Ferry Passengers from Port of Turku
 - Assessing the impact of a new train line from Port to central station



Second role as a topic expert on Civitas ECCENTRIC concerning multimodality in urban passenger transportation

HUPMOBILE approach in Tallinn

Holistic approach in **implementing** sustainable

Demonstration site



Topic expert: on request (for benchmarking)

Facilitator

Expertise: Demand side policy measures, urban mobility, electro mobility, supply chain management, intelligent transport, smart cities, business modelling, co-creative design of mobility solutions and production planning.

Activities

Case objective: increase mobility flows by using ITS solutions and promoting the switch towards public and green transport.

1. Analyse the feasibility of adaptive traffic lights on entire city level.
2. Investigate various adaptive traffic lights market solutions.
3. Analyse in detail for specific hot-spots close to port.

Focus on specific hot-spots:

- Tartu Road
- Tammsaare Road
- Sõpruse Road



Second role as a topic expert on FIN-EST dual city approach concerning logistics and pax. transport

Suggestion for updated project structure

Improving production logistics and urban logistics WP 2	Mobility management and the needs of residents WP 3	Realizing the potential of ITS solutions WP 4	Multimodality in urban transport and travel-to-work areas WP 5	Holistic urban and peri-urban mobility WP 6
2.1 Production logistics in cities	3.1 Everyday mobility in BSR port cities	4.1 ITS BSR competence network	5.1 Impact assessment of new multimodal solutions	6.1 Policy guidelines
2.2 Logistics flows in and around ports (City of Turku)	3.2 Co-creation with residents	4.2 Initiating new ITS proof-of-concepts	5.2 Benchmarking of existing transport solutions in Baltic cities	6.2 Revitalization of passenger rail transport
2.3	3.3 Mobility management in companies	4.3 Adaptive traffic lights	5.3 Optimizing the operation of multimodal nodes	6.3 Operating models for public-private MaaS
	3.4 Mobility plan for focus area residents (City of Turku)			6.4 Improving stakeholder processes
				6.5 Dissemination

THANK YOU!

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