



CANEMURE

Towards Carbon Neutral Municipalities and Regions

- ▶ Smart low-carbon mobility
- ▶ Decentralised renewable energy
- ▶ Energy efficiency of buildings
- ▶ Sustainable urban planning & carbon sinks
- ▶ Low-carbon production and consumption
- ▶ Low-emission agriculture and forestry in peatlands
- ▶ Adaptation to climate change in every action



Canemure

Towards Carbon Neutral Municipalities and Regions is a six-year project for implementing Finnish climate policy, funded by the EU Life programme. The project brings into practice policies of the National Energy and Climate Strategy and the Medium-term Climate Change Policy Plan, in particular.

The Canemure consortium consists of 22 partners and 15 co-financiers, and is coordinated by the Finnish Environment Institute. The total budget for the project is 15.3 million euros.

Information and tools from the Expert Platform

The Finnish Environment Institute, Tampere University, The Natural Resources Institute Finland and the Finnish Meteorological Institute together form the Canemure Expert Platform, which produces information and develops applicable tools for climate change mitigation for different stakeholders. The Expert Platform disseminates good practices in climate change mitigation. In addition, the platform assesses the climate impacts of different actions, and support the climate work of municipalities and the regional cooperation groups and concrete measures through expert guidance.

Regional stakeholder cooperation

The activities of the Canemure-project are centred in seven Finnish regions: North Ostrobothnia, Pirkanmaa, Päijät-Häme, Satakunta, South Karelia, Southwest Finland and Uusimaa.

Regional cooperation groups will produce roadmaps for climate change mitigation for each region. Additionally, the groups will catalyse new concrete actions and R&D projects and initiatives in the regions and encourage local businesses, residents and municipalities to create and uptake new sustainable practices. The regional groups work closely together with the employed coordinator.

The Canemure project includes sub-projects carried out by project partners, each producing concrete actions for climate change mitigation and adaptation.

Smart Low-carbon Mobility

- ▶ Connecting to the Public Transport Trunk Network in Tampere City Region (City of Tampere)
- ▶ Promotion of new low carbon mobility solutions and services (City of Hyvinkää)
- ▶ Promoting the uptake of electric vehicle services in the western Uusimaa region (Tammisaaren Energia Oy)

Energy Efficiency of Buildings

- ▶ Low carbon solutions for renovation construction of rental and private houses in Lahti (City of Lahti)
- ▶ A climate perspective for the 2021 Lohja Housing Fair (City of Lohja)
- ▶ Supporting energy efficiency and experimental design on public buildings (City of Turku)

Decentralised Renewable Energy

- ▶ Digital solutions to improve energy efficiency and the use of renewable energy in buildings (City of Porvoo)
- ▶ Promoting Energy efficiency and bidirectional heat trade through pilots (City of Turku)
- ▶ Thermal energy battery for the district heating network (City of Lappeenranta)

Sustainable Urban Planning & Carbon Sinks

- ▶ Supporting planning and pilots for carbon sinks, ecosystem services and smart mobility in changing urban environment (City of Turku)
- ▶ Guidelines for sustainable spatial planning and urban design by enhancing synergies between climate change mitigation and adaptation (FMI and SYKE)
- ▶ Creating low carbon mobility circumstances in a new neighborhood (City of Hyvinkää)
- ▶ Maximizing the carbon sink of concrete structures (Finnish Association of Construction Product Industries)

Low-carbon Production and Consumption

- ▶ Smart system for optimizing energy and resource use at the Seaside Industry Park Rauma (Rauman Meriteollisuuskiinteistöt Oy)
- ▶ Low carbon solutions for household consumption (Iilaakso Oy)
- ▶ Using carbon footprint criteria to promote sustainable public procurement (City of Helsinki)

Low-emission agriculture and forestry in peatlands

- ▶ Verification of cost effective GHG mitigation measures for cultivated and forested peatlands & Implementation of climate strategy in agriculture and forestry (Natural Resources Institute Luke)



Project beneficiaries

- Centre for Economic Development, Transport and the Environment for Southwest Finland
- City of Helsinki
- City of Hyvinkää
- City of Lahti
- City of Lappeenranta
- City of Lohja
- City of Porvoo
- City of Tampere
- City of Turku
- Council of Tampere Region
- Finnish Association of Construction Product Industries RTT ry
- Finnish Meteorological Institute FMI
- Helsinki-Uusimaa Regional Council
- Iilaakso Oy
- Natural Resources Institute Finland (Luke)
- Oulu University of Applied Sciences OAMK
- Satakunta University of Applied Sciences SAMK
- Seaside Industry Park Rauma
- Tammisaaren Energia
- Tampere University
- The Regional Council of Päijät-Häme

Co-financiers

- The following organisations have committed to co-financing the LIFE-IP CANEMURE project:
- Ministry of the Environment
 - Ministry of Transport and Communications
 - Ministry of Agriculture and Forestry
 - Energy Authority
 - The Finnish Innovation Fund Sitra
 - Centre for Economic Development, Transport and the Environment for Pirkanmaa
 - City of Kangasala
 - City of Lempäälä
 - City of Nokia
 - City of Orivesi
 - City of Ylöjärvi
 - Pirkkala
 - Vesilahti

Contact:
Laura Saikku
Senior Research Scientist
Finnish Environment Institute
laura.saikku@ymparisto.fi



Finnish Environment Institute
| syke.fi | environment.fi |

carbonneutralfinland.fi

@canemure