



TURKU

Climate-neutral Turku 2029

CLIMATE DIRECTOR RISTO VEIVO, CITY OF TURKU, FINLAND
EU-Japan 100 Cities Event on Climate Action, Panel 2, on the 25th of January 2023



Turku facts



- Former capital and oldest city of Finland (AD 1229)
- Close to **200.000** residents and over **325 000** in the region
- Two universities and four universities of applied sciences
- **City of Culture**, Creative, Maritime, Bio and Diagnostic industries
- Dense urban structure
- Rich natural environment and **Archipelago**

60° 30' 33" N / 22° 12' 45" E





Covenant of Mayors
for Climate & Energy

Objective

**Turku will be one
of the world's
leading climate and
nature cities**

Turku City Strategy

**Sustainable
use of
natural
Resources**

**Biodiversity and
rich natural
environment**

Climate Positive
From 2029 onwards



City of Turku supports the Sustainable
Development Goals

Carbon neutral city by 2029

GHG emissions from
Turku area have already
been reduced



-55 %

from the level of 1990 by 2020.

From the top levels of 2000's the
reduction is -60 %.

City of Turku Climate
Plan 2029 (EU SECAP)
steers the Climate
policies and actions of
the whole city group.

Turku invests to
Climate Action.
Energy use of fossil
coal has been ended
during 2022.*

* Excluding crisis situations

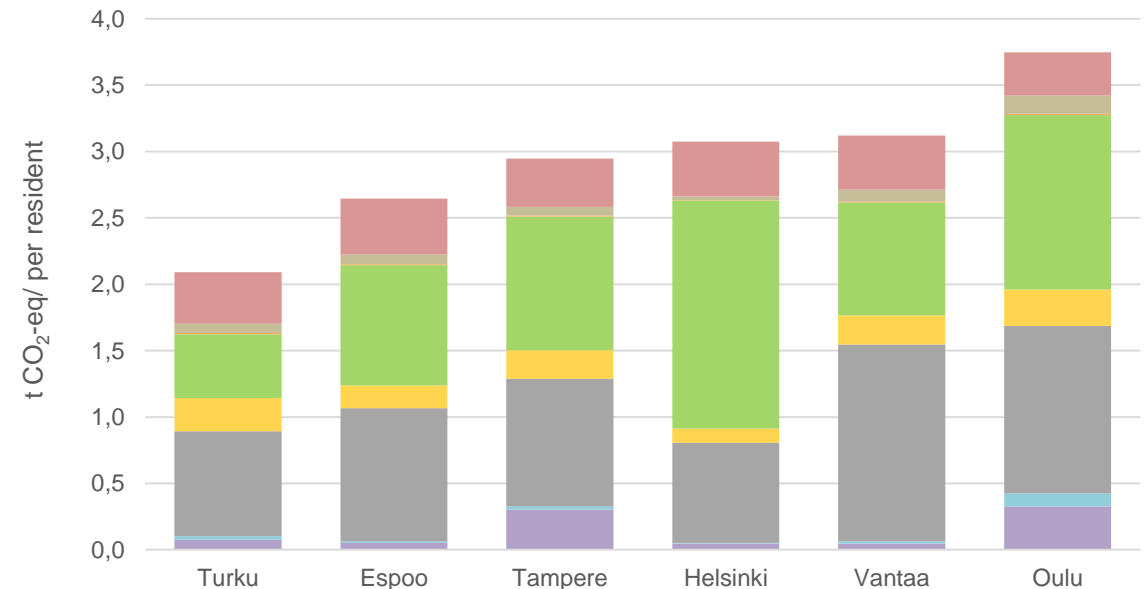


1.235,4 bn. euro

Turku's climate investments 2023-2026



**GHG emissions per capita in cities in
Finland 2020 t.-CO2-ekv without industry
emissions, CO2 Report 2022 (scope 2)**



Turku's scope 2 GHG Emission development and targets

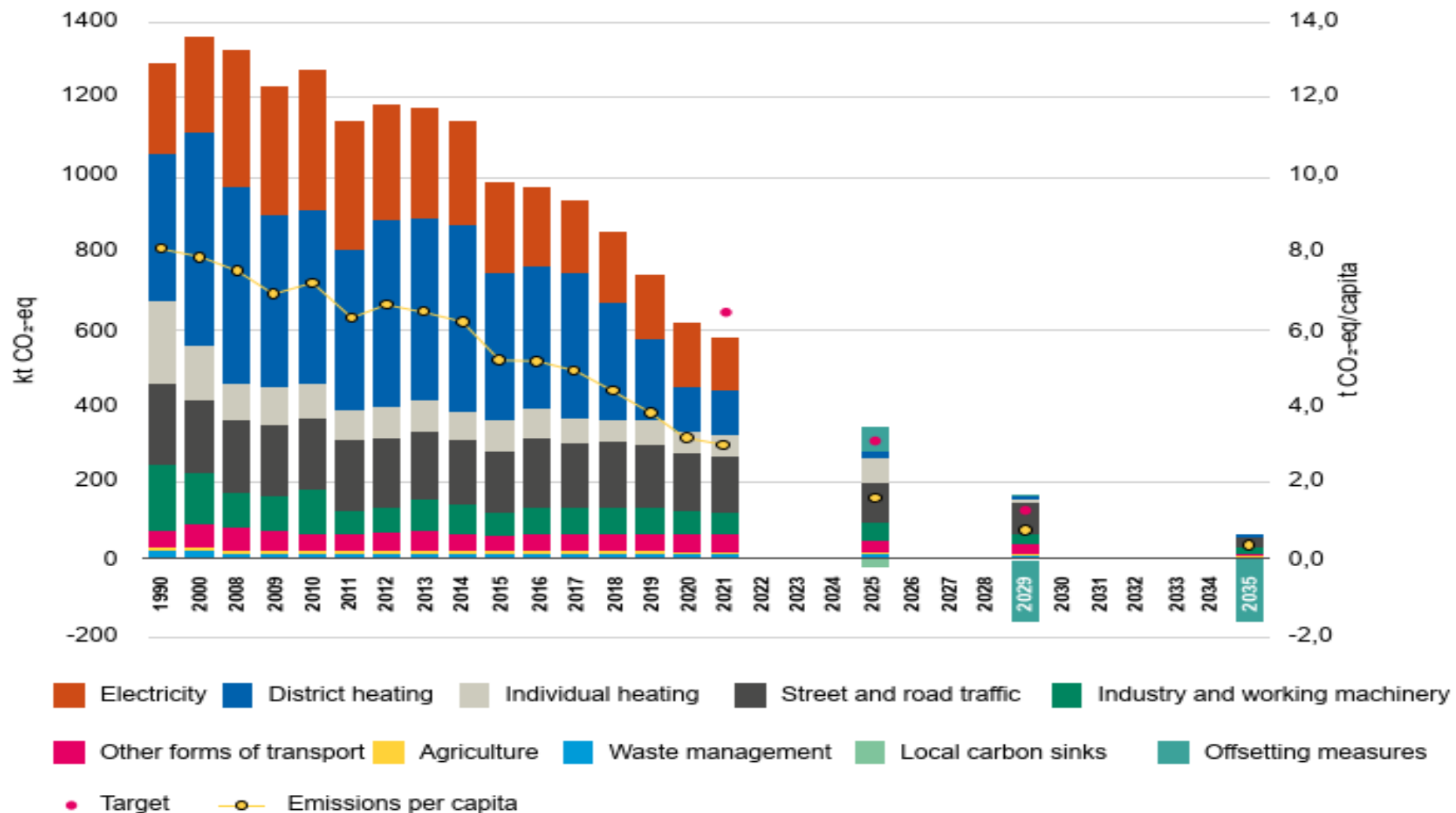


Figure 6. Normalised emissions in Turku in 1990, 2015 and 2020, calculated using the CO2 report method. The figure also includes the estimated development of emissions, carbon sinks and offsetting measures for years 2025, 2029 and 2035. The emission targets are presented on the left vertical axis, and the emissions per capita are presented on the right vertical axis.

Turku is changing the climate for the better

and helping us
all do the same

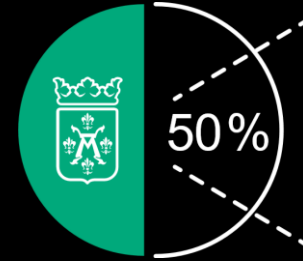


Ways of
achieving
carbon
neutrality
in 2029.

Climate Action with citizens and companies creates many co-benefits



Turku will be carbon neutral by 2029
and climate positive thereafter, i.e. it will cool the climate. We need everyone to pitch in for this goal.



The city can reduce its emissions by half. We need residents and businesses to get involved. **We can make Turku carbon neutral together!**

Benefits of climate efforts to residents and businesses:

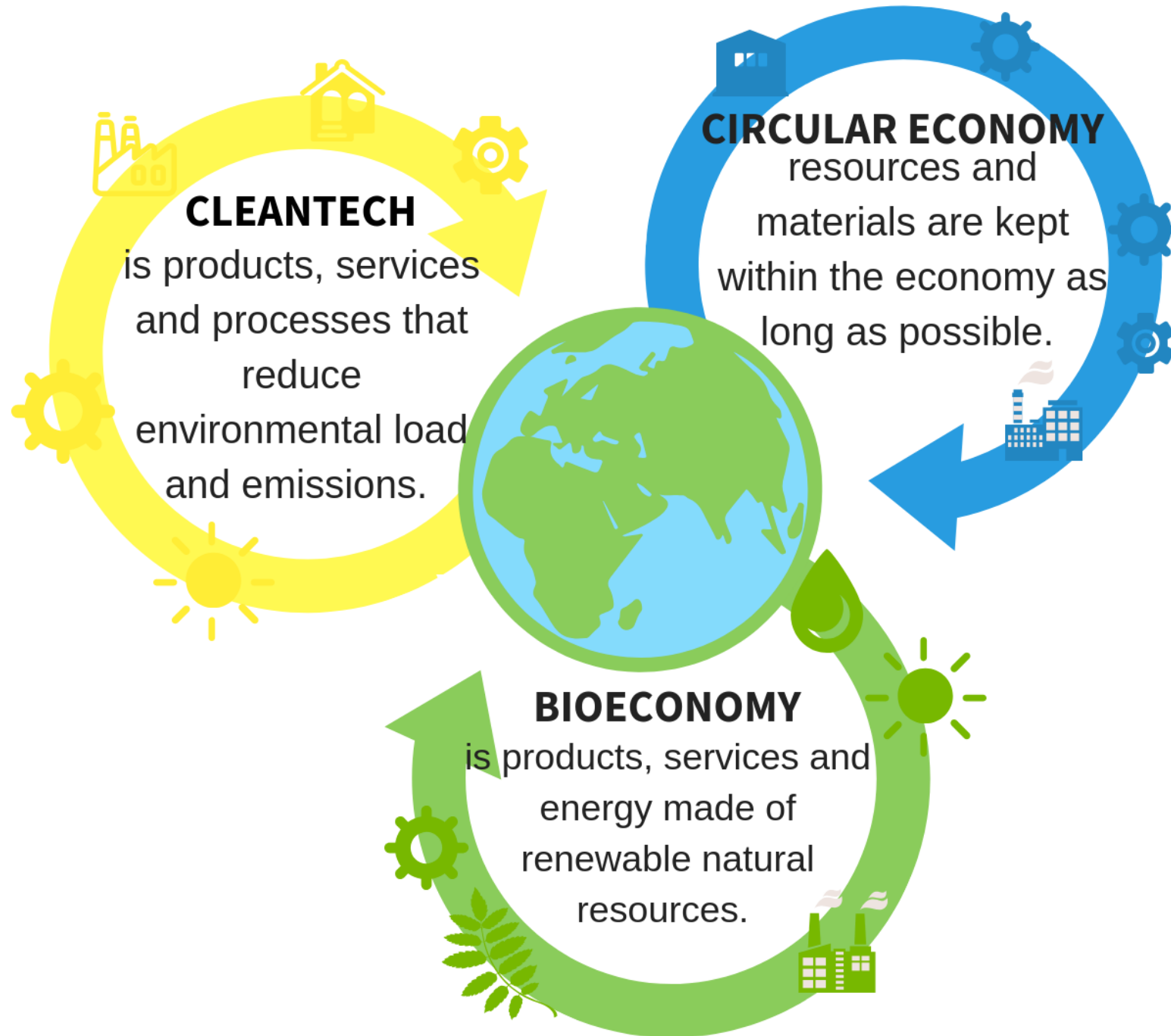
Employment and vitality

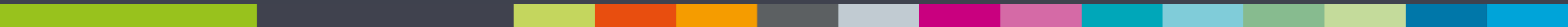
Well-being and health

Green and comfortable city

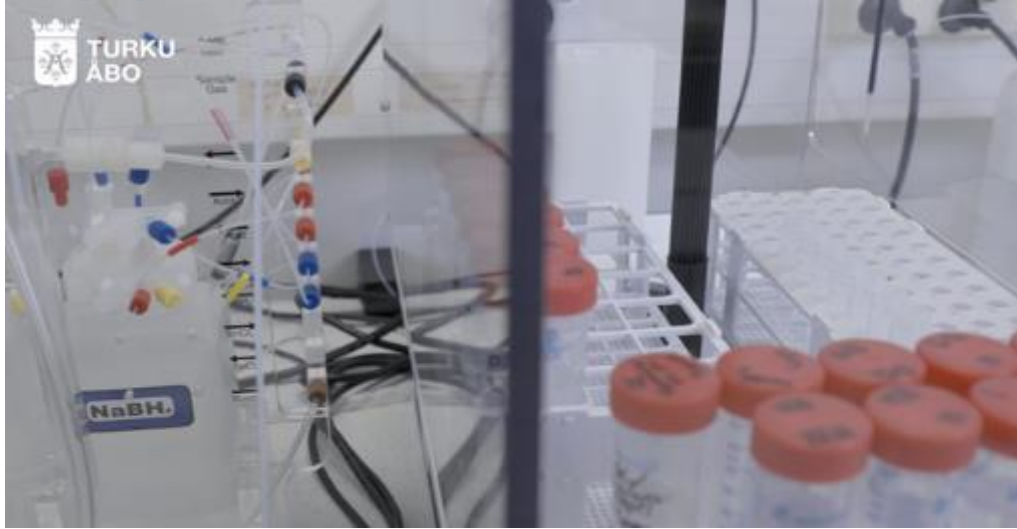
High-quality living and smooth day-to-day activities







Smart Chemistry Park: An industrial symbiosis approach to chemicals



NEOLEAP

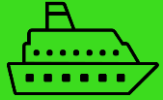
BUSINESS
FINLAND

ECOSYSTEM FOR DEVELOPING A CLIMATE-NEUTRAL CRUISE SHIP



MEYER

NEOLEAP roadmap until 2035



Ship: efficiency, sustainability, integration



Shipyard: project management, efficiency, sustainability, production technology



Digitalization: user experience, digital systems and tools



People: new competence, working methods and environments

Ecosystem development, green transformation & new business

Missions

Climate neutral cruise ship

Climate neutral shipyard

Long-term competitive advantage

Shipbuilding talents

New products & services

2022

2023

2024

2025

2026-35

World class research and development ensures success in the future

Recycling of high-value textiles



A woman with blonde hair is lying on her back in a field of tall, dry grass. She is wearing a light blue, short-sleeved dress. Her eyes are closed, and her hands are resting behind her head. The lighting is warm and golden, suggesting late afternoon or early morning. The grass is dense and reaches up to her chest.

ODOTUS – THE WAIT

A CARBON NEGATIVE FILM PRODUCTION



Compensate

Backmann &
Hoderoff

In 2020, Turku was selected as the best mid-sized climate city in Europe

European Covenant of Mayors Climate
Award 2020

European Commission made the choice
based on information in the Covenant of
Mayors system.

www.eumayors.eu



As part of the European Covenant of Mayors movement,
our city is taking climate and energy action
to secure a better future for us all.



The Covenant of Mayors -
Europe Office is funded by
the European Commission

An aerial photograph of a coastal archipelago. In the foreground, a large, dense forested area covers a peninsula. The middle ground is filled with numerous islands of various sizes, some with buildings, surrounded by blue water. The background shows a distant coastline under a blue sky with wispy clouds.

Thank you!

<https://www.turku.fi/en/carbonneutralturku>