



Circular Economy in Southwest Finland

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SEArca event on Circular Economy
1st April 2022

CIRCULAR ECONOMY AND RESOURCE WISDOM in Southwest Finland



- SW Finland was the 1st Finnish region to create a regional Circular Economy roadmap
 - Helps to identify local potentials (natural resources, know how, material flows)
 - Circular solutions strengthen the economy and self-sufficiency
 - Region motivated in seeking added value through circular economy
- Links:
 - <https://kiertotaloudenvarsinaissuomi.fi/in-english/>
 - <https://kiertotaloudenvarsinaissuomi.fi/wp-content/uploads/2017/06/Tiekarttaesitys-sivustolle.pdf>

Focus areas

1. SUSTAINABLE FOOD SYSTEM

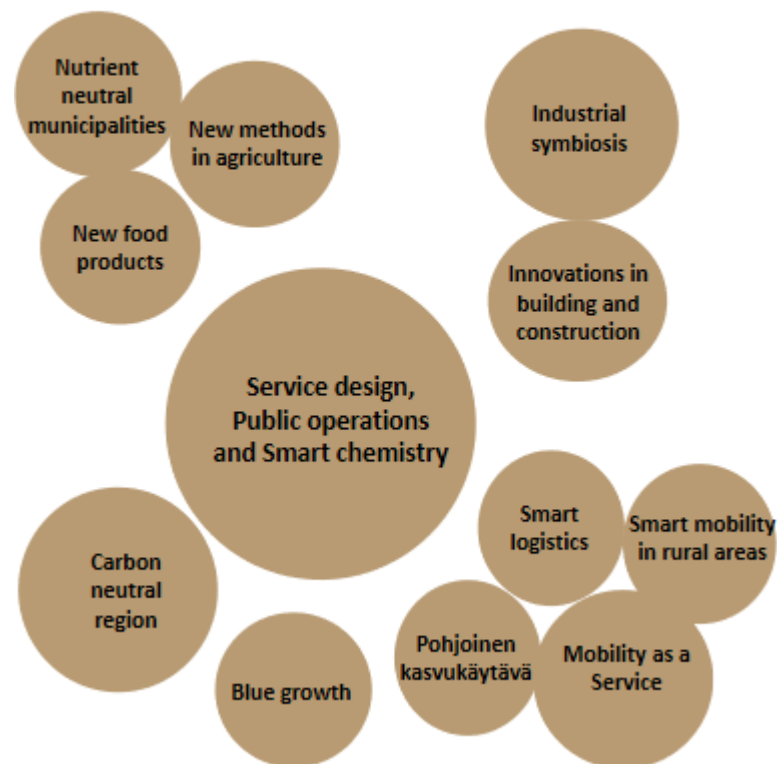
2. TECHNICAL LOOPS

3. TRANSPORT AND LOGISTICS

4. CROSS CUTTING THEMES
SERVICIZING
PUBLIC PROCUREMENT
KNOW-HOW IN CHEMISTRY

- Circular economy is closely linked to
 - climate goals, e.g. energy transition and energy efficiency
 - sustainable food chain and climate adaptation
 - strong clusters, e.g. life science and maritime technologies
- Public sector is seen as an enabler creating partnerships and platforms for enterprises and new solutions.

And now?





CIRCULAR TURKU

A Roadmap Toward Resource Wisdom

Links:

- <https://www.turku.fi/en/carbon-neutral-turku/circular-turku>
- https://circulars.iclei.org/wp-content/uploads/2021/11/Circular-Turku-Roadmap_final_comp.pdf

Objective

**Turku will be
carbon-neutral by
2029 and resource-
wise by 2040**

Turku City Strategy

Nature-based
solutions and
biodiversity

**No
Waste**
(2040)

**Sustainable
use of
natural
Resources**
(2040)

**No
Emissions**
(net zero 2029)

Mitigation and
adaptation



The roadmap's five priority topics

The roadmap centers on five priority topics. The selected topics have high potential to promote systemic shifts toward a resource-wise society through circular economy solutions.

The priority topics were chosen on the basis of an analysis carried out by the Circular Turku project steering group in fall 2019. Ten pre-selected themes were screened according to various assessment criteria, including environmental and socio-economic impacts, level of action and readiness of regional actors, level of agency of Turku and other governance aspects, and scaling potential of future interventions both in Finland and globally.

Explore the priority topics of the Circular Turku roadmap by clicking on the icons on the left side:

- Energy systems
- Food value chains
- Water cycles
- Transport and logistics
- Buildings and construction



RETHINK

Regional and cross-sectoral collaboration for resource-wise water systems

Situation in 2029

In the Turku region, water is managed through extensive cooperation among regional actors and municipalities. A cross-sectoral operation model supports synergies among water, food and energy systems.



REGENERATE

Design regenerative solutions for runoff water management

Situation in 2029

Urban runoff management prioritizes nature-based solutions and innovations that enable these streams to be managed and utilized locally. Stormwater management is primarily implemented through organic landscaping and other landscape drainage solutions. These efforts reduce the need for clean water, decrease the amount of stormwater in the network and improve the condition of water bodies.



REUSE

Support water reuse and recycling

Situation in 2029

Opportunities for local reuse of urban runoff and grey water are maximized, leading to a reduction in the need for clean water. The co-benefits of water reuse are demonstrated in a wide variety of ways, with the city leading by example. Water reuse and recycling solutions are implemented in a coordinated manner and with a broad range of actors, with appropriate incentives and financing mechanisms in place.



REDUCE

Increasing efficiency and minimizing pollution through data management, outreach and monitoring

Situation in 2029

Efforts have been made to produce and make water data widely accessible, which has improved water management as a whole. Thanks to an improved knowledge base, residents and private sector actors (especially in forestry and agriculture) have a better understanding of the impact of their activities on water bodies and water supply. As a result, fewer pollutants enter wastewater and natural water bodies.

Take away messages

- Southwest Finland and City of Turku are forerunners in circular economy
- Close connection between circular economy and climate objectives
 - Turku climate-neutral by 2029, Southwest Finland by 2035 and Finland by 2035
- Need to build on existing good practices , local / regional strongholds
- Bottom-up approach, strong stakeholder involvement needed

Let's stay in touch!

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