

# The City of Helsinki's Roadmap for Circular and Sharing Economy

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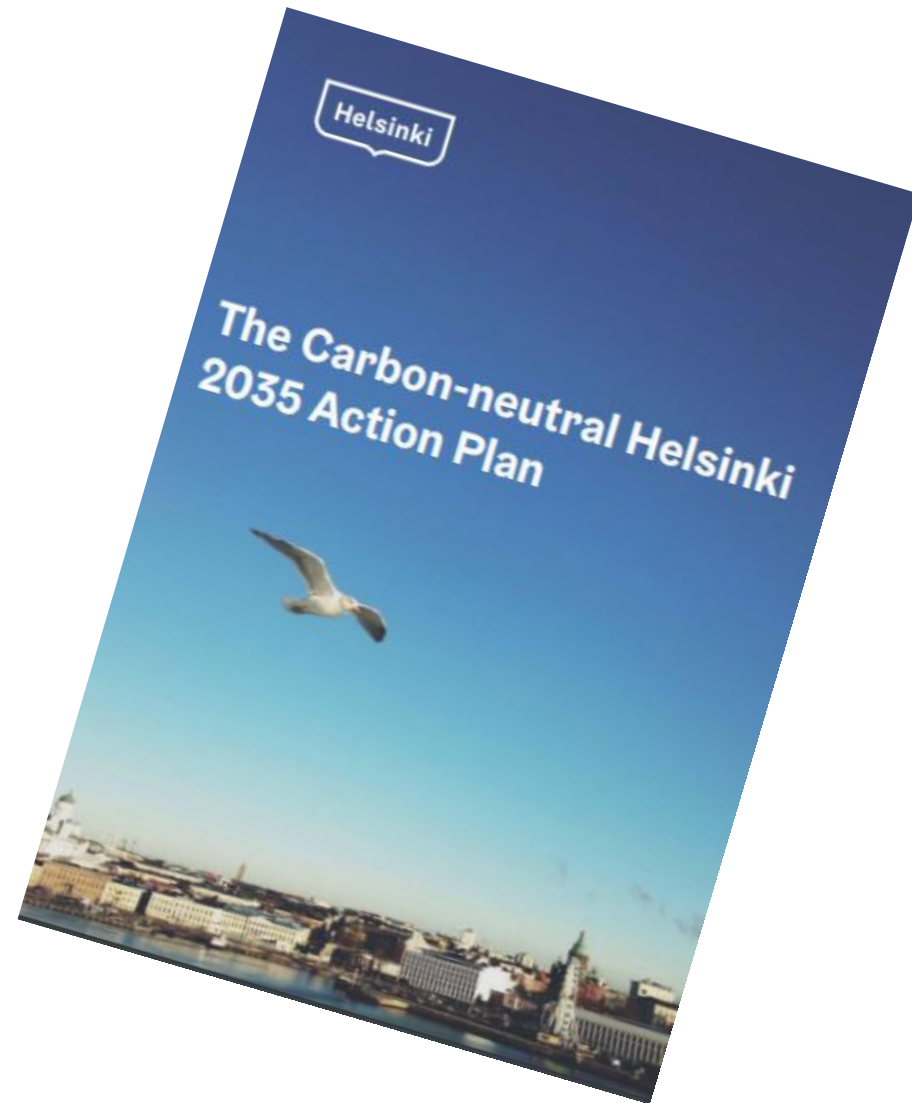
Photo: Jussi Hellsten, Helsinki Marketing



# Background: The Carbon-neutral Helsinki 2035 Action Plan

- Approved in December 2018
- The aim is to reduce CO2 emissions by 80 % from the levels of 1990, remaining 20 % will be compensated for
- Includes 147 actions

**Action 114: A road map for circular economy and sharing economy will be created**



# Four focus areas

- **Construction**
- **Procurements**
- **Green waste**
- **Sharing economy and new business opportunities in circular economy**

# About the structure

- Time span to 2035 after The Carbon-neutral Helsinki 2035 Action Plan
- Advancement step by step, through interim goals
- Includes 31 concrete actions, now set for 2020 – 2025 → update

You can find the roadmap [here!](#)

## The City of Helsinki's Roadmap for Circular and Sharing Economy



# Examples of goals and actions


# Circular economy goals in construction

| 2020–2021  | 2021–2025   | 2025 →   | 2035  |
|--|---|--|---|
| We will create shared understanding of circular economy in the City's own construction projects and commit to this.                                | We will prepare and adopt new circular economy requirements and procedures that promote circular economy. | We will take the lifecycle costs of construction sites into account when making decisions about construction.  | We will implement carbon-neutral circular economy in land use and construction; this means an economy where natural resources are used sparingly and their lifecycle carbon footprint is small. |
| We will increase knowledge and competences in the City's own construction projects to define circular economy requirements.                        | We will continue the pilots of various circular economy requirements.                                     | We will establish circular economy criteria and new procedures for construction in the City's own construction projects, design competitions and plot conveyance conditions. |   |
| We will pilot the first circular economy requirements in the City's own construction projects, design competitions and plot conveyance conditions. |   | We will apply circular economy requirements on market-determined construction through land use planning and licensing, among other measures.                                 |   |

- The built environment accounts for about **50% of all extracted material**
- the construction sector is responsible for **over 35% of the EU's total waste generation**
- Greenhouse gas emissions from material extraction, manufacturing of construction products, construction and renovation of buildings are estimated at **5-12% of total national GHG emissions**
- **Greater material efficiency** could save **80%** of those emissions

European Commission: A new Circular Economy Action Plan For a cleaner and more competitive Europe

# Construction: Actions for 2020–2025



**15.** Preparing and adopting an operating model for reusing furniture and building parts from demolition and renovation projects.

**Party responsible:** Buildings and Public Areas / Built Assets Management / Construction Contracting / Housing Production, Heka, Services and Permits / Building Control

**Schedule:** 2020 - 2023

# Circular economy goals in procurements

| 2020–2021   | 2021–2025  | 2025 →   | 2035  |
|---|--|--|---|
| We will raise awareness of procurement methods that promote smart use of resources and improved lifecycle impact. | We will move on to service procurements in the product groups where it is considered feasible. | All of the City's procurements will include circular economy criteria.   | The key principles in the City's procurements will be using virgin resources sparingly and preventing waste production. |
| We will add criteria that support circular economy in the City's procurements.                                    | We will add criteria that support circular economy in the City's procurements.                 | The City will actively monitor the development in the use of recycled plastic and materials that can replace plastic. New solutions will be piloted and adopted. |   |
|   | The City will give up the unnecessary use of plastic in its procurements.                      |  |   |

***“Public authorities’ purchasing power represents 14% of EU GDP and can serve as a powerful driver of the demand for sustainable products.”***

European Commission: A new Circular Economy Action Plan For a cleaner and more competitive Europe

***“Public authorities, including the EU institutions, should lead by example and ensure that their procurement is green.”***

European Commission: The European Green Deal



# Procurements: Actions for 2020–2025

17. Before procuring new indoor or outdoor furniture, the client will examine the furniture available on the **City's recycling website** and primarily use this recycled furniture. Next, the client will examine the opportunities of procuring the furniture **second-hand, through renting or as a service**. This policy will be included in the City's procurement strategy and the division-specific procurement instructions.

***Party responsible:** Procurements and Tendering, all divisions and City enterprises*

***Schedule:** 2020 - 2021*

# Circular economy goals in the processing of green waste

| 2020–2021  | 2021–2025  | 2025 →   | 2035  |
|--|--|--|---|
| We will raise awareness of alternative ways of processing green waste and recycling nutrients. | We will raise awareness of alternative ways of processing green waste and recycling nutrients. | The City's own operations will move towards a closed circulation of green waste and nutrients.                       | The processing of green waste from City areas will be based on circular economy in which the value of materials remains as high as possible and nutrients are reused efficiently. |
|  | We will pilot new methods of processing green waste.   | Collaboration with private operators and the other cities and municipalities in the Metropolitan Area will increase. |   |
|  | The City will receive consistent goals and an operating model.                                 |  |   |

# Green waste: Actions for 2020–2025

**25.** Developing an operating model for the City for processing green waste and producing culture media.

**Party responsible:** Land Use and City Structure, Buildings and Public Areas / Maintenance, Stara

**Schedule:** 2022 - 2023

# Monitoring of the actions

# 9

## Pyöräliikenteen kehittämisohjelma ja polkupyörien pysäköinnin kehittämisohjelma

Kestävien kulkumuotojen käyttö

### 9.1. Pyöräilyn kehittämisohjelma

Pyöräilyn edistämällä voidaan parantaa kaupungin viihtyisyyttä ja elinvoimaa sekä helpottaa ihmisten liikkumista Kaupungin väkiluvun kasvaessa kasvaa myös yksittäisten matkojen määrä, mikä rajallisen katutilan vuoksi edellyttää tehokkaiden ja tilaa säästävien kulkumuotojen – kävelyn, pyöräilyn ja joukkoliikenteen – edistämistä. Siksi pyöräilyn kulkutapaosuuden kasvattaminen on myös tärkeä keino ylläpitää ja entisestään parantaa koko liikennejärjestelmän toimivuutta.

[Helsingin pyöräilyn edistämishjelman](#) (2014) toteutumista seurataan osana ohjelmaa.

Edistämishjelman päivitystyö on aloitettu vuonna 2019 ja sen on tarkoitus valmistua keväällä 2020

### 9.2. Polkupyörien pysäköinnin kehittämisohjelma

[Polkupyörien pysäköinnin kehittämisohjelma](#) on päättynyt vuonna 2018. Viimeiset ohjelman mukaiset pyöräpysäköintipaikat toteutetaan vuonna 2020.

### Virallinen kuvaus

#### Toimenpideohjelman mukaan

Toteutetaan pyöräilyn edistämishjelmää ja polkupyörien pysäköinnin kehittämisohjelmaa (Hiilineutraali Helsinki 2035 -toimenpideohjelmasta)

### Tehtävät

#### Mitä on tehtävä?

|            |   |
|------------|---|
| 31.12.2020 | Suunnitellaan ja rakennetaan pyöräpysäköintipaikkoja 1200 kpl |
| 31.12.2021 | Suunnitellaan ja rakennetaan pyöräpysäköintipaikkoja 1500 kpl |

### Vaikutus

● ● ● ● Merkittävä

### Eteneminen

Ajallaan

### Aikajänne



### Vastuuorganisaatiot

Maka\_Like

HSL

HKL

### Yhteyshenkilöt



**Ilari Heiska**  
liikenneinsinööri  
Liikenne- ja katusuunnittelu  
Yhteystiedot



**Oskari Kaupinmäki**  
pyöräilykoordinaattori  
Liikenne- ja katusuunnittelu  
Yhteystiedot



**Jari Rantsi**  
liikenneinsinööri  
Liikenne- ja katusuunnittelu

A monitoring tool like the [Helsinki Climate Watch](#) will be established for follow up of the actions in the roadmap

# Thank you!

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Helsinki

14

Photo: Yiping Feng & Ling Ouyang, Helsinki Marketing

