

February 10th 2022

Circular Economy in Copenhagen

Circular Copenhagen - Ressource and Waste
Plan 2024

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Copenhagen

- Capital of Denmark
- 89 km²
- 602.481 inhabitants
 - ~320.000 households
 - 90 % living in apartments
- Region 1.300.000
- 355.000 workplaces
- 80.000 enterprises
- Increase in population ~ 10.000 / year



CO-create Copenhagen



Green initiatives - A Livable, Sustainable and Bold City



Livable city



Best city for cyclists



No waste of resources



Carbon Neutral Capital 2025



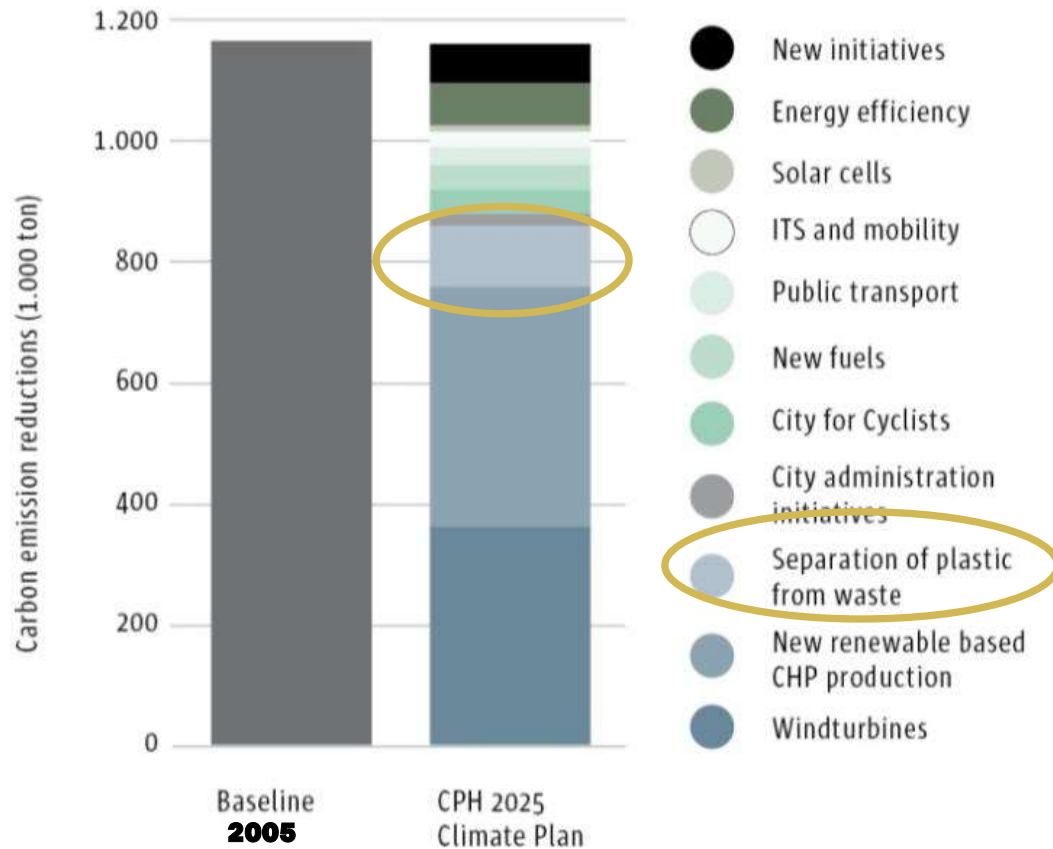
More Biodiversity

CPH 2025 Climate Plan

CPH 2025 CLIMATE PLAN

CARBON NEUTRAL IN 2025

CARBON EMISSION REDUCTIONS

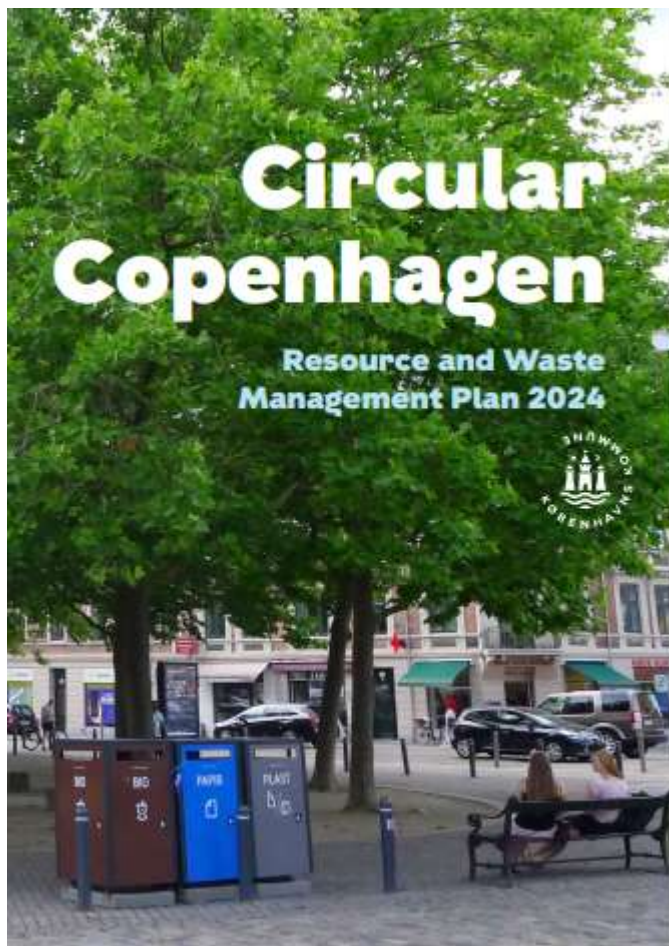


AMBITIOUS
BUT
REALISTIC

FIRST
NEUTRAL
CAPITAL

Circular Copenhagen

Circular Copenhagen - Targets



70%

of household waste and light industrial and commercial waste to be collected for recycling

- The resources contained in household waste and light industrial and commercial waste are to be recycled. Light industrial and commercial waste also covers waste from the City of Copenhagen's own institutions.
- The quality of collected resources in the waste must be high, since this allows for recycling in new products.

59,000

tonnes CO₂ reduction

Reducing CO₂ emissions in 2024 with a focus on utilising biowaste for biogas and having plastics diverted from incineration. This target is to contribute to Copenhagen being carbon neutral in 2025 as part of the CPH 2025 Climate Plan. Measures aimed at both commercial waste and household waste will contribute to meeting the target.

3

...tripling of reuse

Reuse is to be tripled in the municipal swap and reuse facilities from 2,000 tonnes in 2016 with a further 6,000 tonnes in 2024. The majority of Copenhageners are to use the sharing, swap, or reuse schemes (22% in 2015).



Better service



Value chain and innovation



Challenges



Behavior and nudging



Uniform expectations



New resources

Reuse

- 5 % of bulky waste reuse
- Collection for reuse
- Swap stations throughout the city
- Repair cafés and workshops
- Recycling stations will be rebuild for reuse
- +15.000 followers Sydhavn
Genbrugscenter
<https://www.facebook.com/sydhavngenbrugscen-erTMF>



Initiatives on plastics



- Holy Grail – watermarks
- Testfacility for plastics and other materials.
- Designguide for plastic packaging with industry

Call for partners:

- <https://circularcph.cphsolutionslab.dk/cc/home>



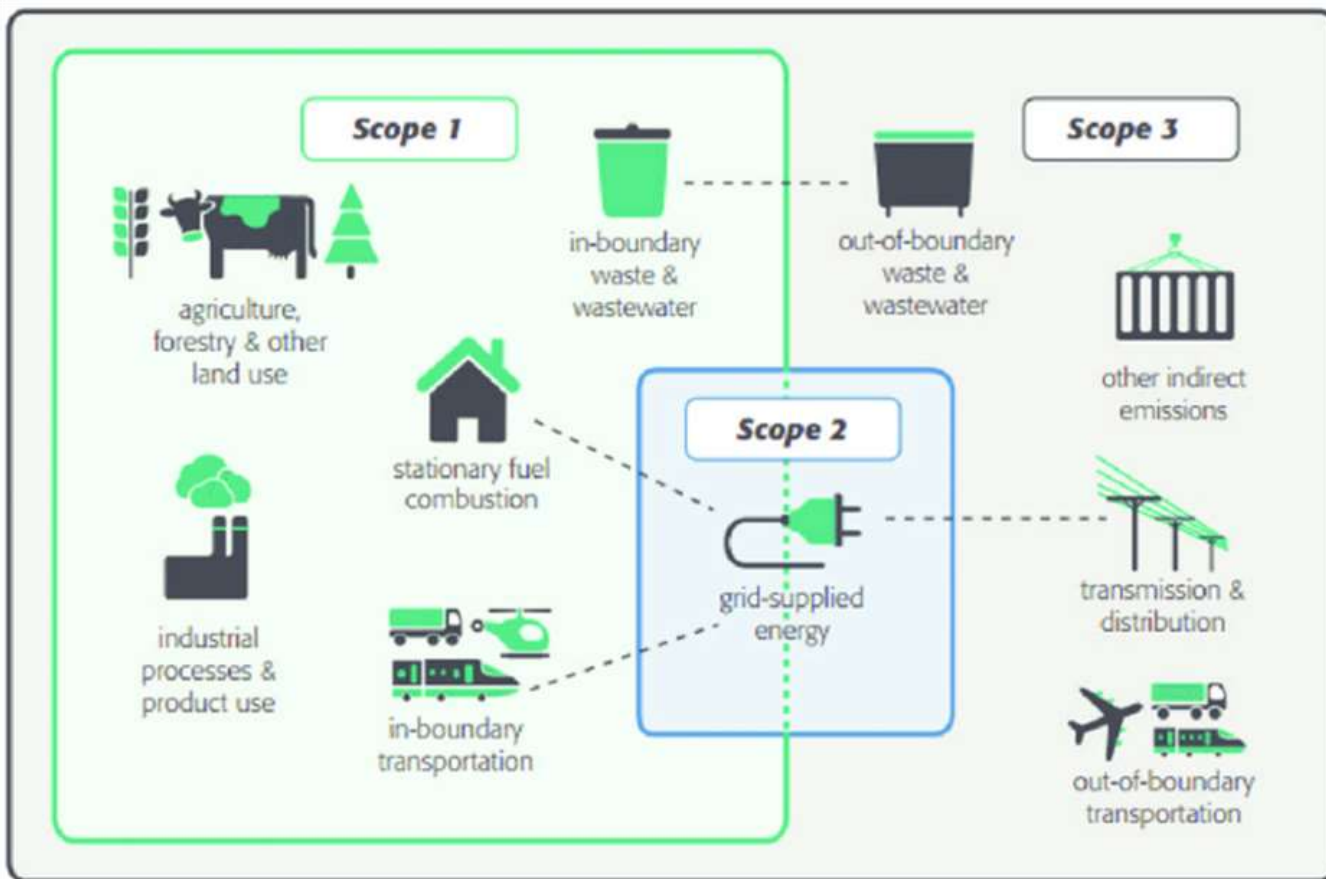
A photograph of a modern building at sunset. A person is silhouetted on a balcony, looking out at the setting sun. The sky is filled with warm, golden light and streaks of light trails. Below the building, a misty landscape with trees is visible.

**Thank you very
much**

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Post 2025

POST2025 Climate plan



Carbon Capture and Utilisation

- Project start in 2018 City of Copenhagen and ARC
- Test- and demonstration 2021-23
 - EUDP financial support app. EUR 10 mill.
- Full-scale plant with potential of harvesting app. 500.000 tons of CO₂ a year
 - EU application Innovation Fond.
- Carbon negative?

