Circular Economy from Theory to Practice
Stop Ineffective Use in the city of Malmö

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Introduction

• The project aims to increase the knowledge of public organization to increase the circularity of material flows through procurement procedures which benefit saving and sharing.

• The project is led by the City of Malmö’s Environmental Department together with the Procurement Department and research institute RISE.

• The purchase and waste flows are mapped and the barriers and possibilities in procedures are analyzed.

• In addition, the project will look into using the saved resources for well-being of the City’s employees, or ordinary citizen.

• The results will be presented in a draft roadmap for circular economy for the City of Malmö.
Case study - Mapping flows

Mapping flows (furniture, IT, plastic)

- Procurement and waste
- Usage and behavior
- ReUse and Repair

City of Malmö
Circular action plans

SHARE “Internal & prolonging life”, New circular procurements
LONGER LIFE “3-4 years”, New agreements IT Service & repair
STOP using “single use” plastic and find “multiple use” alternatives
Problems related to furniture, IT, plastic

“All students in Malmö get their own computer 2016.”
”13,000 computers are on their way to the students.”
”Malmö wants to get away from buying new all the time 2018”.
“The Sharing economy has come to the municipality.”
“The City of Malmö purchase 42.5 million plastic items 2019.”

24,5 million  5,9 million  2,3 million
Reflections

• Mapping procurement – often in SEK per supplier, not products, not kg
• Furniture (many suppliers), IT (one supplier, many products), Plastic (many suppliers, many products), clothing (few suppliers/services)
• Mapping waste flows – often in kg or ton or no of container
• Procurement practice – need to include no of products and kg
• Climate effects – SPEND (CO2/SEK, EPD kg), not used products
So far...

• Mapping purchasing flows (Furniture, IT, plastic, clothing)
• Mapping waste flows (Furniture, IT, plastic, clothing)

Next steps...

• Usage practice and behavior - Surveys and interviews
• Roadmap and action plan for circular city procurement
• Climate effects, economic effects, social effects
So far…

- Mapping purchasing flows (Furniture, IT, plastic, clothing)
- Mapping waste flows (Furniture, IT, plastic, clothing)

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- Usage practice and behavior - Surveys and interviews
- Roadmap and action plan for circular city procurement
- Climate effects, economic effects, social effects
City of Malmö: We want to know...

• How much money do we spend on IT products, furniture, plastic products?
• Do we buy to much? How are they used and becoming waste?
• What are the driving forces – habits and change?

City of Malmö: We want to achieve...

• Optimizing usage – prolonging life, Circulation between city administrations
• A method for circular municipality, Circular roadmap for the city of Malmö
• Influence the municipal budget process
THANK YOU!

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