

# Green and circular procurement in public organizations – from single use to reuse of furniture and prolonging lifetime of electronics

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## Introduction

The project aims to increase the knowledge of public organizations' potential to increase the efficiency and circularity of their material flows through procurement, purchase procedures and behavioral change which benefit saving and sharing.

The project will be implemented by the City of Malmö's Environmental Department and Central Procurement Unit in cooperation with the research institute RISE.

## Material and methods

Through the project, the purchase and waste flows within the City of Malmö's organization are mapped and analyzed to identify possibilities for increased reuse, prolonged life/optimization of life and circular use of resources, focusing on a number of product categories to be chosen within the project.

The chosen product categories and scenarios: from single use plastics to multiple use products, from procurement to reuse of furniture, prolonging lifetime of electronics (computer, mobile phones).

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## Results

The results show that existing economic climate models like the SPEND analysis (CO2/SEK) is difficult to apply for reused products and long-life products, due to different economic values of reused furniture.

The role of budget procedures for stimulating circular resource use are analyzed, with regards to barriers and possibilities for change.

The results shows that existing budget procedures need to be applied to reused products and lifetime of products. The employee survey indicates that behavior change is possible.



## Future work

In the next step, a draft roadmap for circular procurement will be developed for the City of Malmö. In addition, the project will investigate possibilities for using the saved resources for well-being of the City's employees, or ordinary citizen.