



City of Lund

Adaptation to climate change

The first decision regarding climate adaptation in the municipality of Lund came in 2010 from the Municipal Environment and Health Committee, a committee selected by the city council to be responsible for environment and health issues. The decision meant that all committees and boards of the municipality were requested to develop climate change adaptation plans for the areas affecting each political committee. In 2012 the work to develop adaptation plans for each political board and committee was completed.

During the autumn of 2014 a status report of the current situation of Lund municipality's work on climate adaptation was done. The following is an excerpt from the report of measures regarding climate change adaptation implemented in Lund 2011-2014:

- A risk and vulnerability analysis for the municipality has been completed.
- A surface water management strategy for the municipality has been completed.
- The local emergency services (Räddningstjänsten Syd) work with climate adaptation is linked to the municipal risk and vulnerability analysis. The main focuses are extreme heat and flooding. Probability and consequences of extreme climate events was analyzed in a risk matrix, along with actions to reduce the impacts of extreme weather conditions.
- Kraftringen (the municipal energy company) is highly affected by a changing climate, and has taken steps to reduce vulnerability and increase resilience. For example, the entire power grid in Lund is now underground and new construction of sensitive electrical facilities is not allowed in flood risk areas. Expanding the share of wind and solar energy also reduces vulnerability to extreme weather, since the production of electricity is more diversified.
- The real estate company of Lund municipality (LKF) has been ambitious in its work on climate adaptation. They have, for example, conducted a pilot project for climate adaptation in a neighborhood in Lund. They also have ongoing work concerning the prevention of damp and mold in their properties, and layout and design of outdoor areas in regards to climate adaptation.
- The Service Committee has completed several actions regarding climate adaptation. For example, a pilot project with the aim to increase knowledge on green structures has been started. They also have ongoing work reducing the amount of hard surfaces to improve storm water management, and increase green areas on schoolyards.
- The Health and Welfare Committee has adopted new guidelines regarding the construction and layout of outside spaces, for example, requirements for shade in the event of extreme heat. New routines, guidelines and information material regarding heatwaves have also been developed.

The most recent decision on climate change adaptation was adopted by the city council in May 2014 in Lund Municipality's Programme for Ecologically Sustainable Development, 2014-2020 (LundaEko II). Climate change adaptation is one of the eight prioritized areas in this programme. The climate change adaptation goal is formulated as follows: **“Everyone living and working in the municipality of Lund shall contribute to a society that is fully adapted to current and anticipated climate changes and to a society where negative consequences for people, society and the environment can be avoided”**. The goal has three sub-goals:

- Lund municipality will develop a climate adaptation plan which covers the municipality's overall climate adaptation issues by 2016.
- Lund municipality will develop a flood map for the municipality by 2015.
- Lund municipality must by 2016 have examined their properties with respect to the risks of damp and mold and developed an action plan to address deficiencies and prevent risks.

