

Kandidatarbete
Examenskod ACEX11



The world best campus when it rains

How can the Chalmers campus adapt to climate change while providing an attractive environment for students and staff?

Rainfall is projected to increase in Western Sweden as a result of climate change, especially in the form of heavy precipitation. The municipality of Gothenburg has therefore developed guidelines for stormwater management. Chalmers should also adapt to climate change; issues on the Chalmers campus include flooding risks and pollution from copper roofs.

This project aims at investigating how the Chalmers Johanneberg campus can be adapted to increasing rainfall while improving the environment for students and staffs. The project is explorative and combines technical and creative aspects to improve our campus, with the goal of creating the world best campus when it rains.

This year the project will focus on redesigning the area around A-dammen to increase water storage and treatment, while providing space for study and social activities.

Literature recommendation:

- Campusplan, Chalmers 2019-2050
- Municipal guidelines for stormwater management

Target group of students

TKSAM, TKGBS

Group size

3-6

Special requirements

Suggestion from

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Can the project be duplicated? No

If any of the following aspects to be integrated

☒ Digitalization

☒ Sustainability

☒ Climate change

☐ Gender equality, equal treatment and diversity

☐ Other