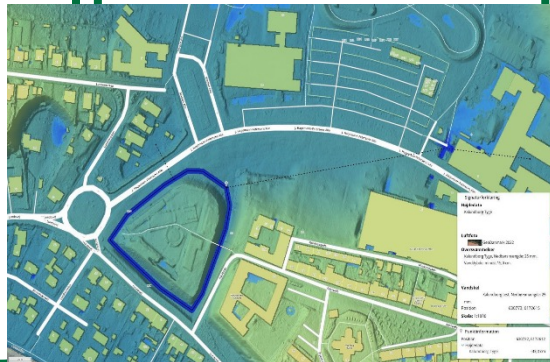


Introduction

Climate change is expected to increase the annual precipitation and increase the occurrence of extreme scenarios. This will affect Højbyen in which has a one pipe system which will overflow when the pipes fill up. In 2020 Norrøn suggested to fill the old moat with water again as a tourist attraction. This has the potential to be implemented as a form of climate adaptation as well.



Methods

The software SCALGO Live was used to simulate precipitation scenarios, and investigate ways to lead water into the old moat and what other scenarios that was possible. GIS was used to get an overview of the wastewater and the rainwater pipes in the city.

Outcome

There has most likely never been water in the moat, since there is old constructions near the bottom. Instead it is possible to use some of the area and have a sea, as a form of climate adaptation.

Perspectives

This alternative design has the potential to use the water for other purposes doing drought. The high capacity has the potential to use it as water in toilets which will reduce the freshwater use.

Alternativ LAR-løsning

