

# Multipurpose infrastructure; Designing infrastructure such as roads and parking lots for flood protection



Test retention of water on the surface (streets / parking lots) during heavy rainfalls, to reduce downstream flooding.

Tool: MIKE Urban.

Tasks:

- Identify areas that could be used for intermediate storage of water on parking lots / on streets
- Close street inlets in the catchment if pipe water level in a flood-prone area exceeds a threshold
- Test the effect of such measures on flood extent for different return periods

## Project type

Topic is suitable for MSc

## Pre-requisite

General understanding of flooding + urban drainage, first experience in modelling with MIKE Urban

## Group size

1 student

## Department of supervisors

Main supervisor: DTU Environment

Co-supervisor: Krüger A/S

## Contact person

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