

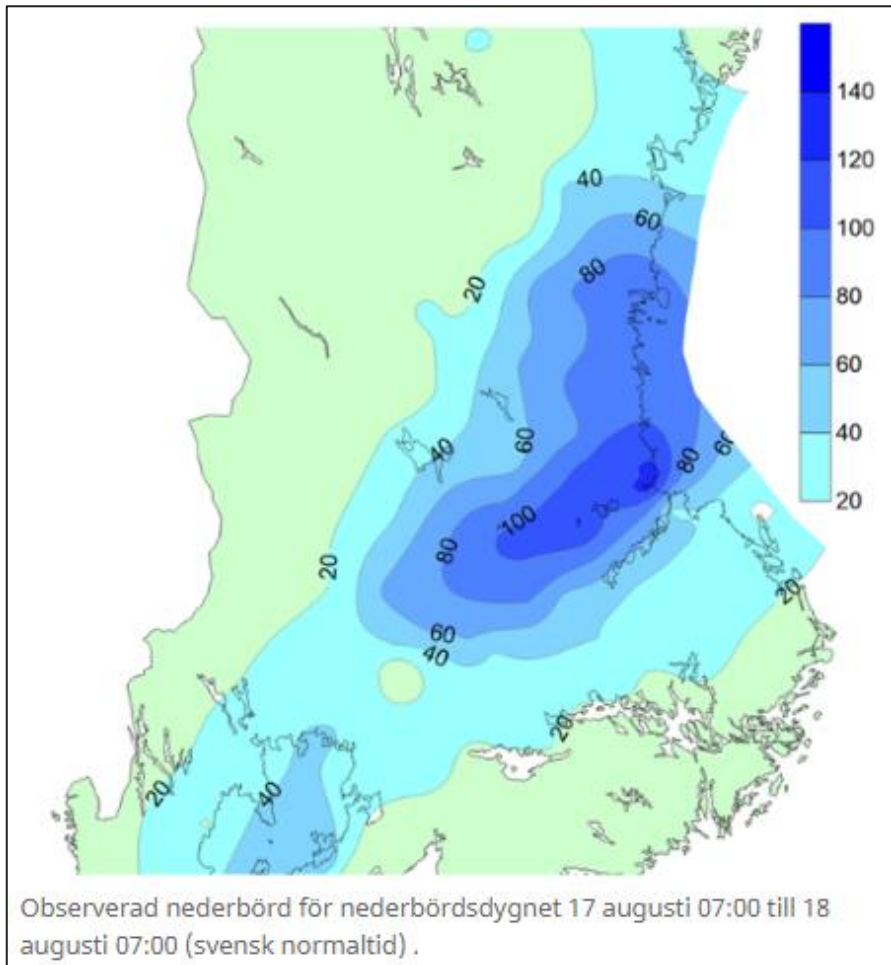
CLOUDBURST HAZARD ANALYSIS

a GIS approach

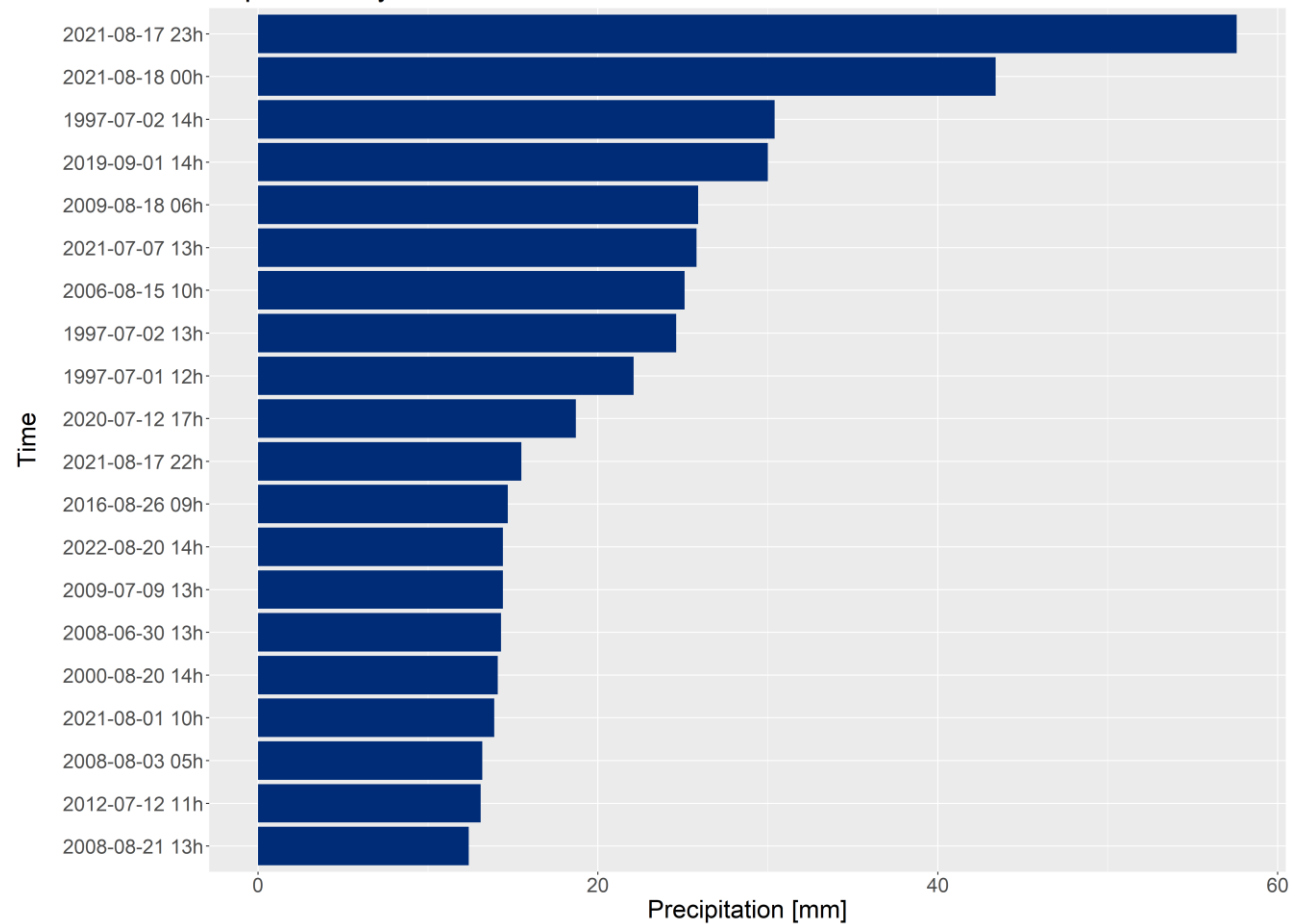
Daniel Knös
Catastrophe Model Developer
Guy Carpenter

Gävle scenario

2021-08-17

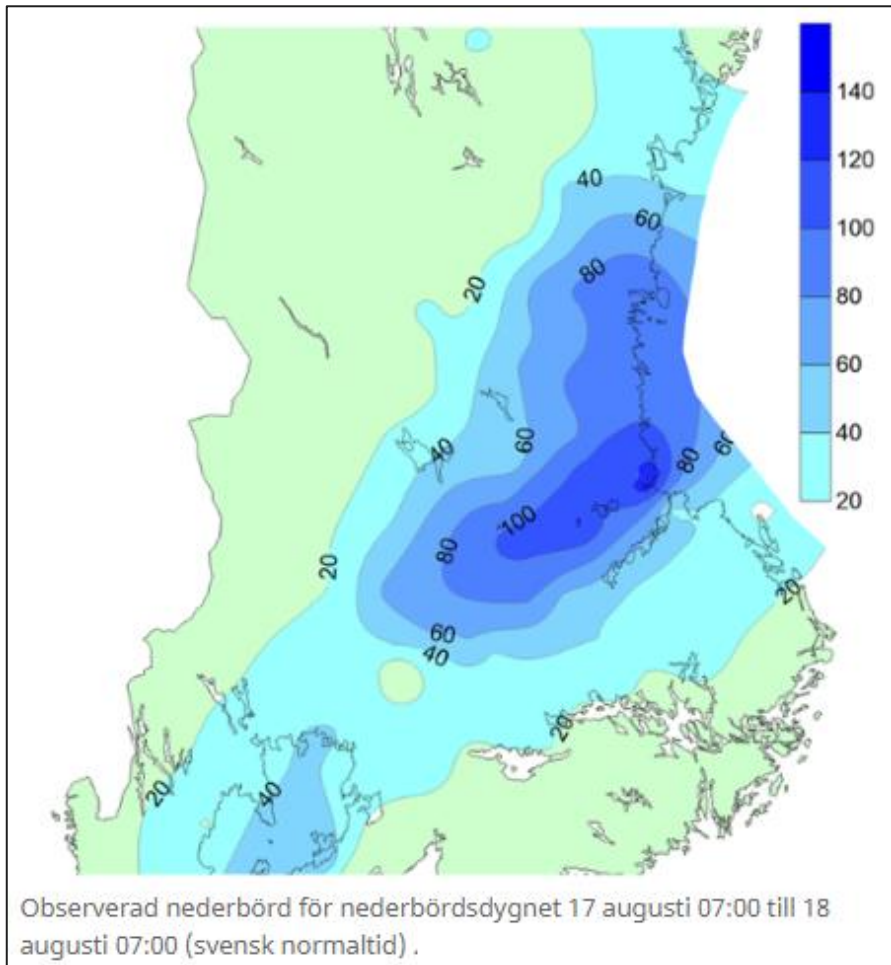


Top 20 hourly rainfall observations in Gävle since 1995-08-01

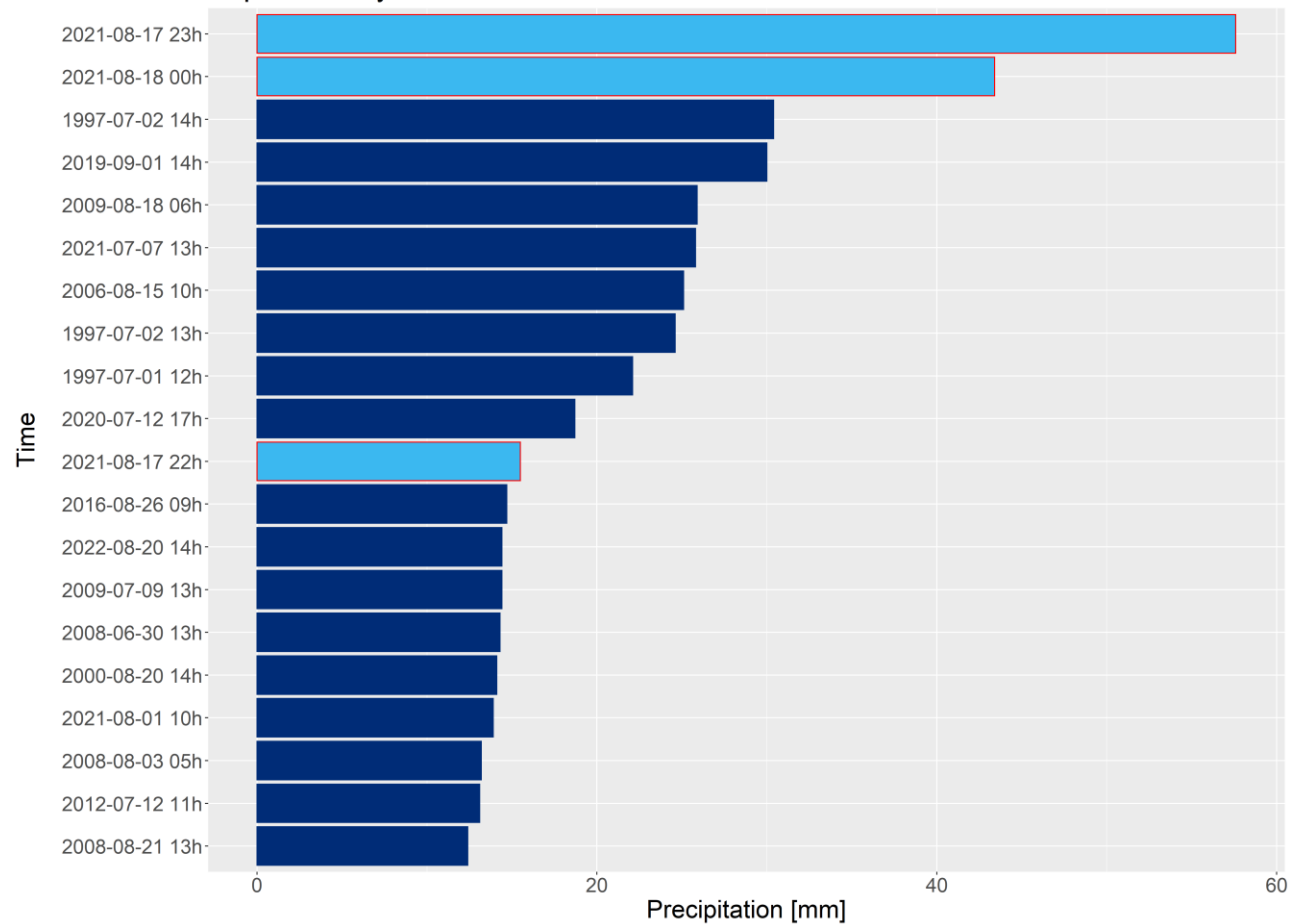


Gävle scenario

2021-08-17

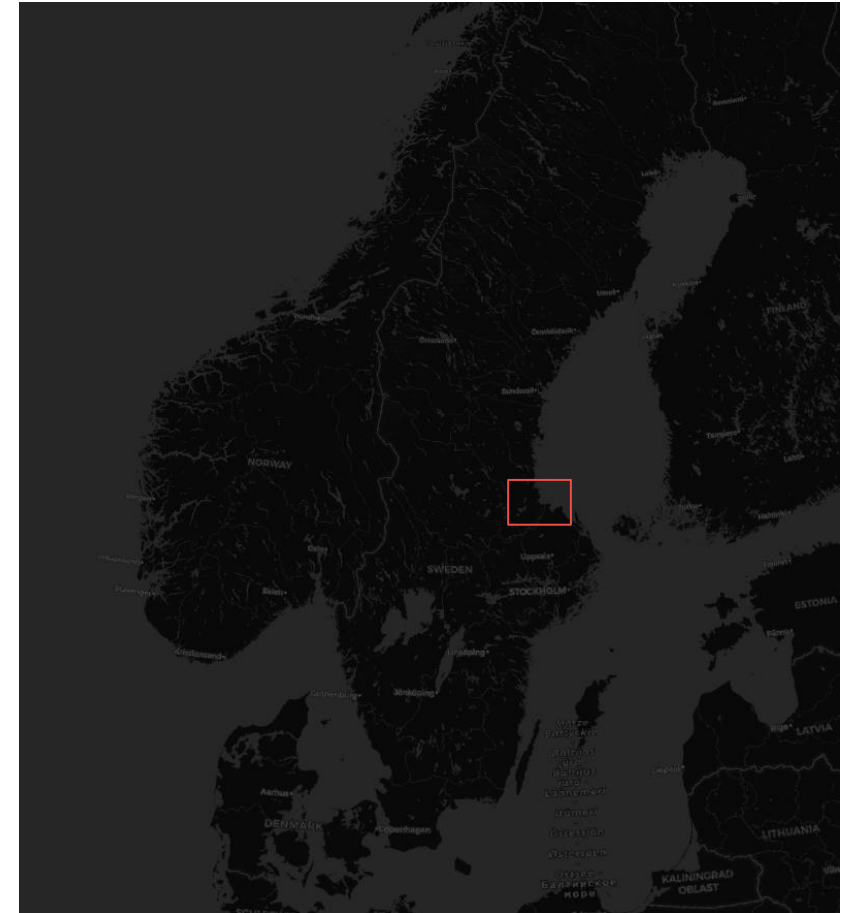
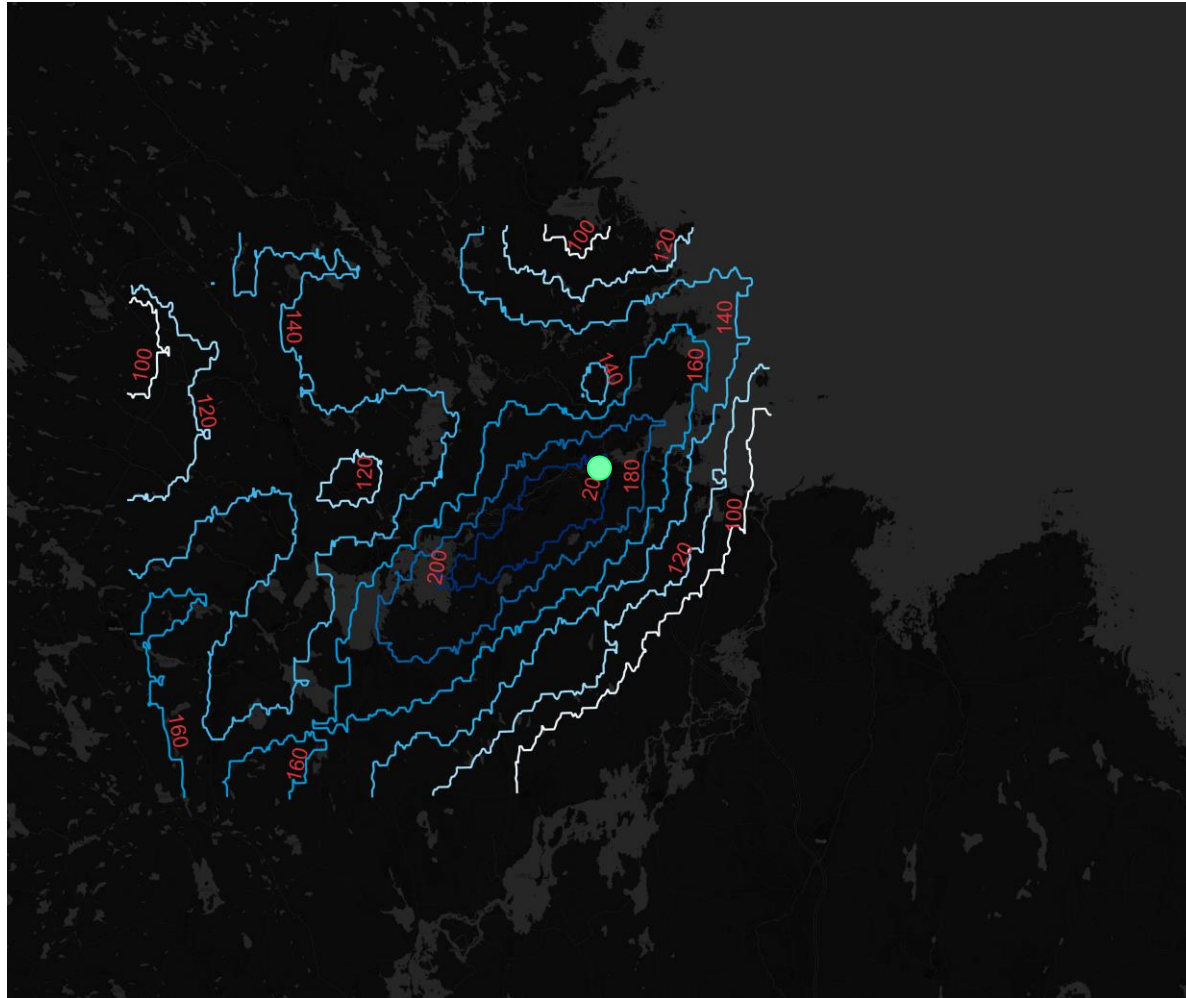


Top 20 hourly rainfall observations in Gävle since 1995-08-01



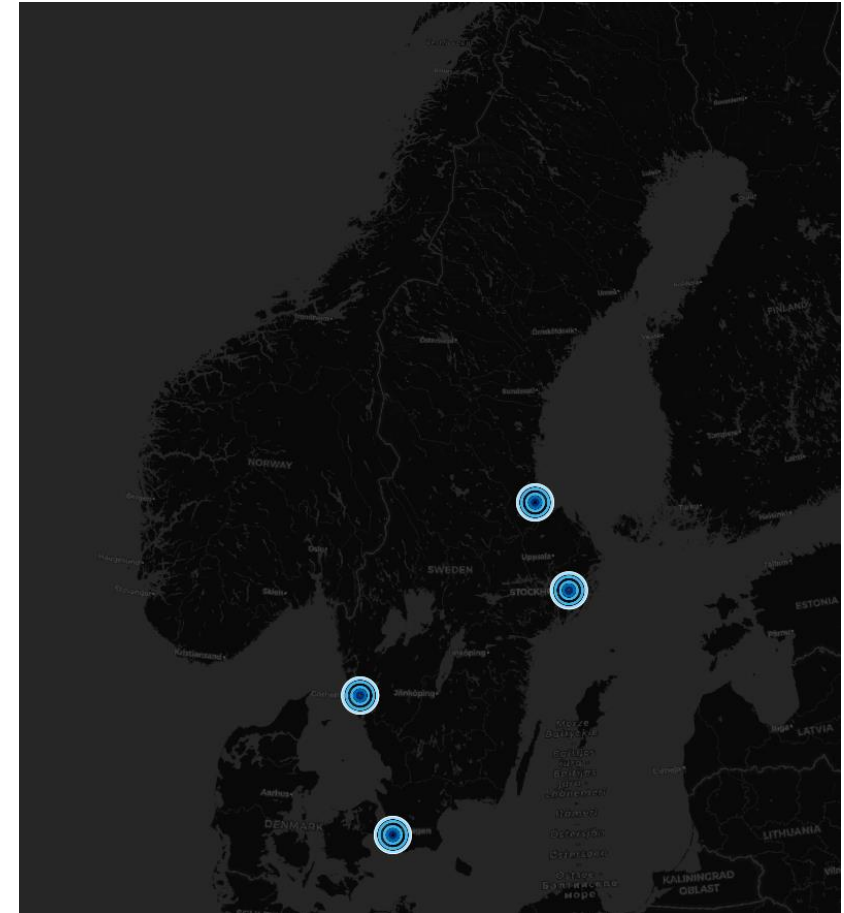
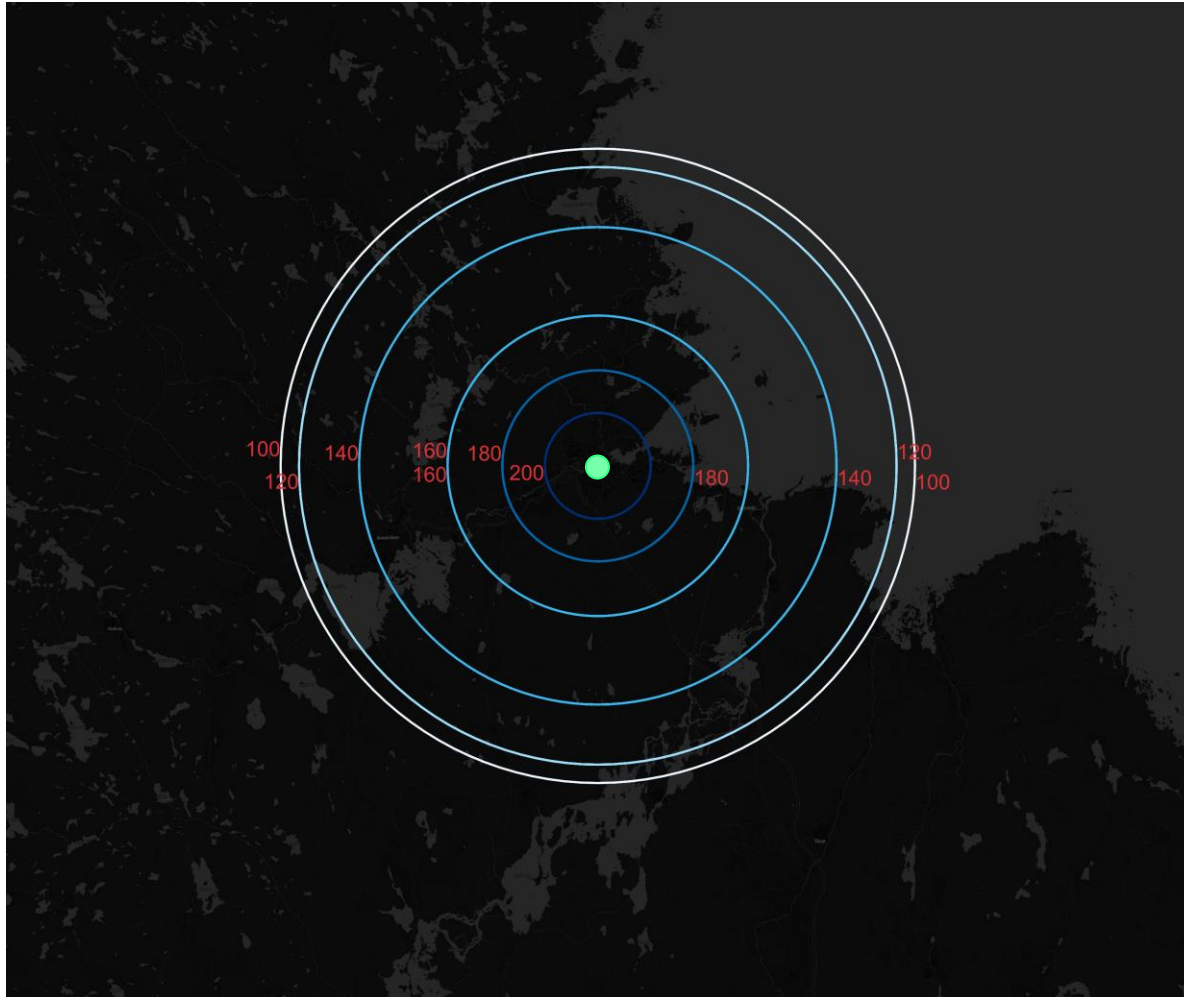
Scenario recreation

Precipitation from SMHI (48h accumulated)



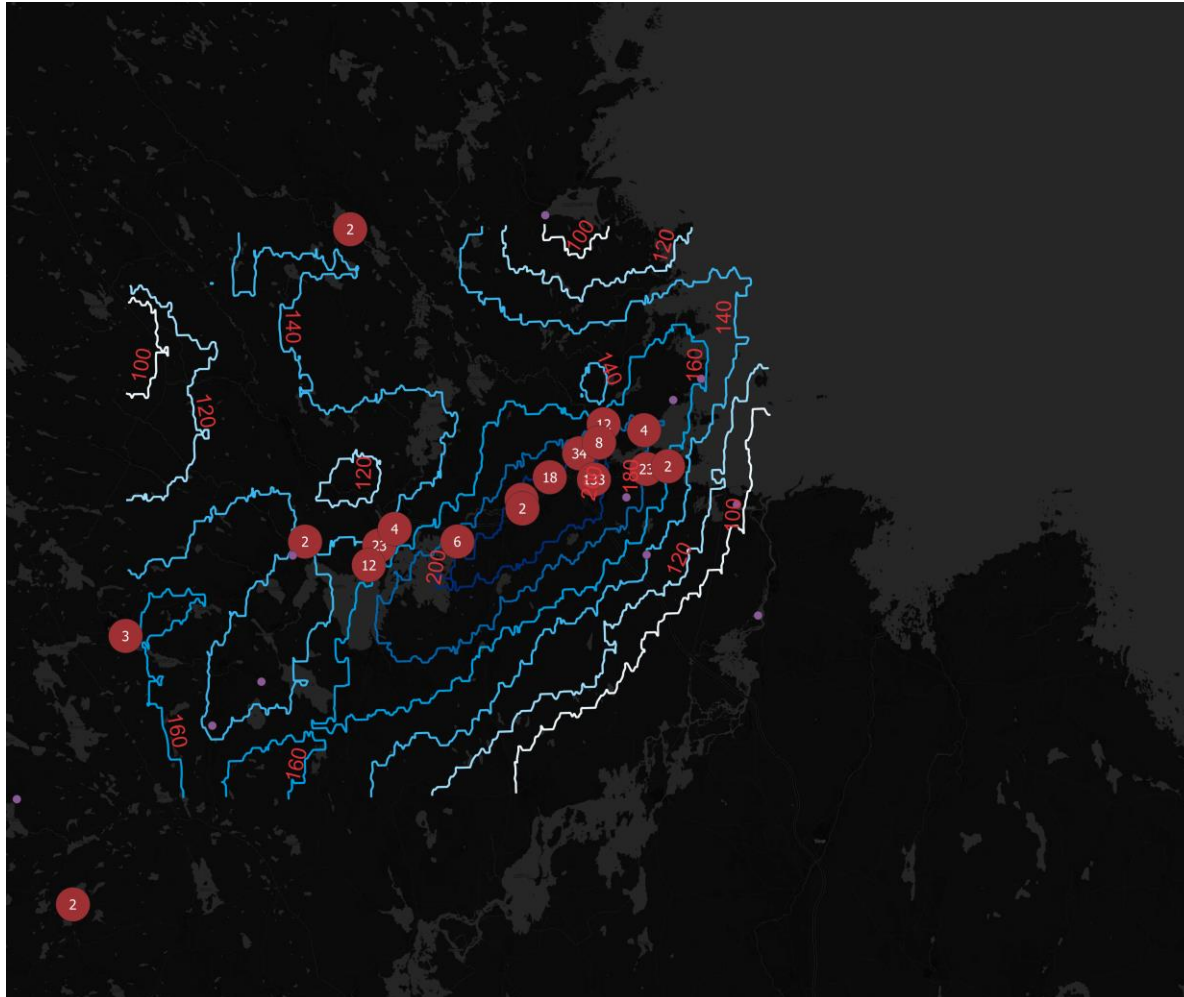
Scenario recreation

Concentric events with preserved area



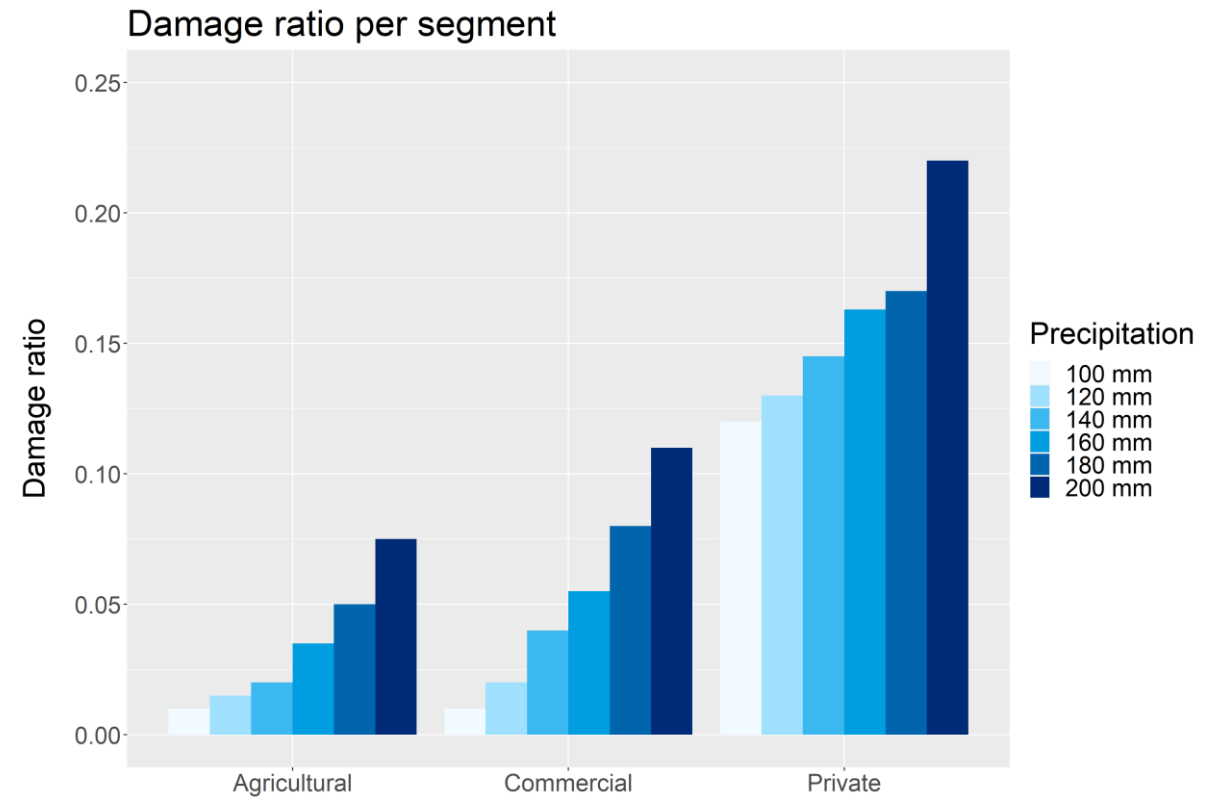
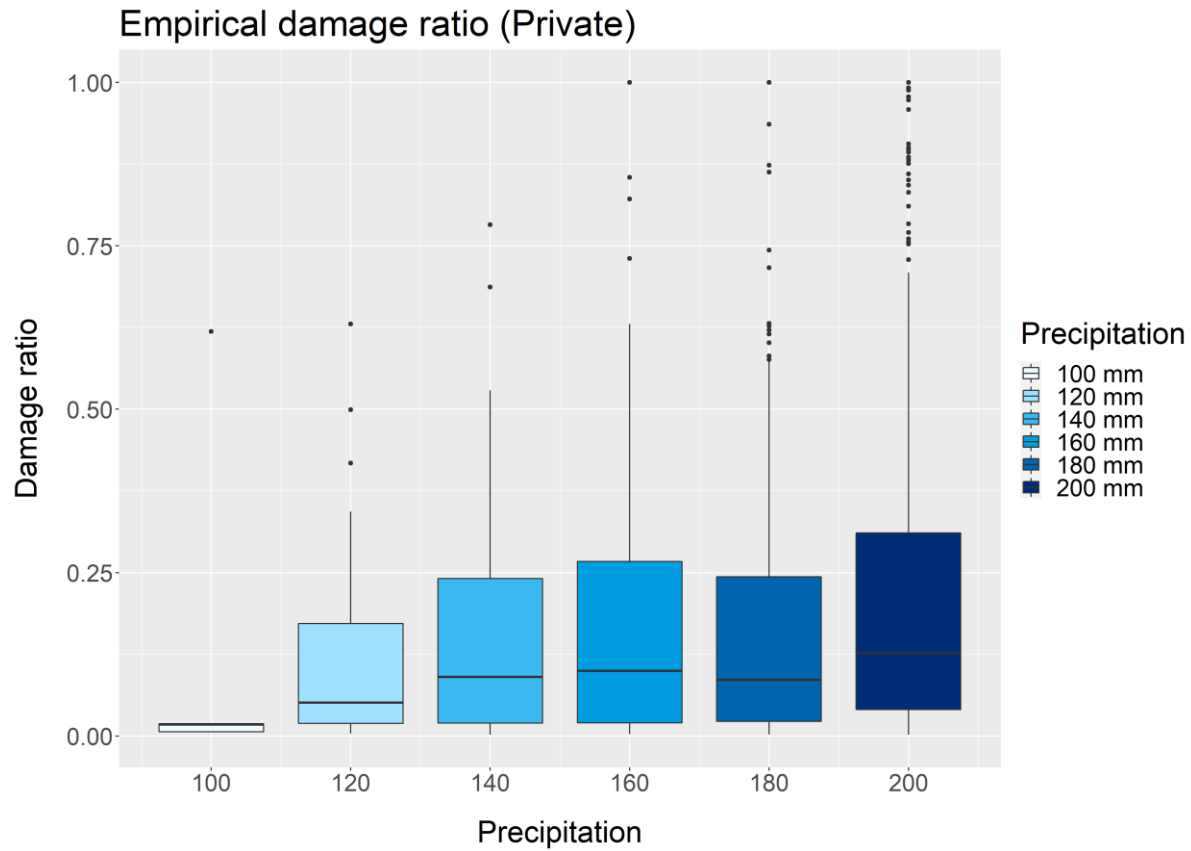
Scenario recreation

Precipitation from SMHI (48h accumulated), and the geocoded claims



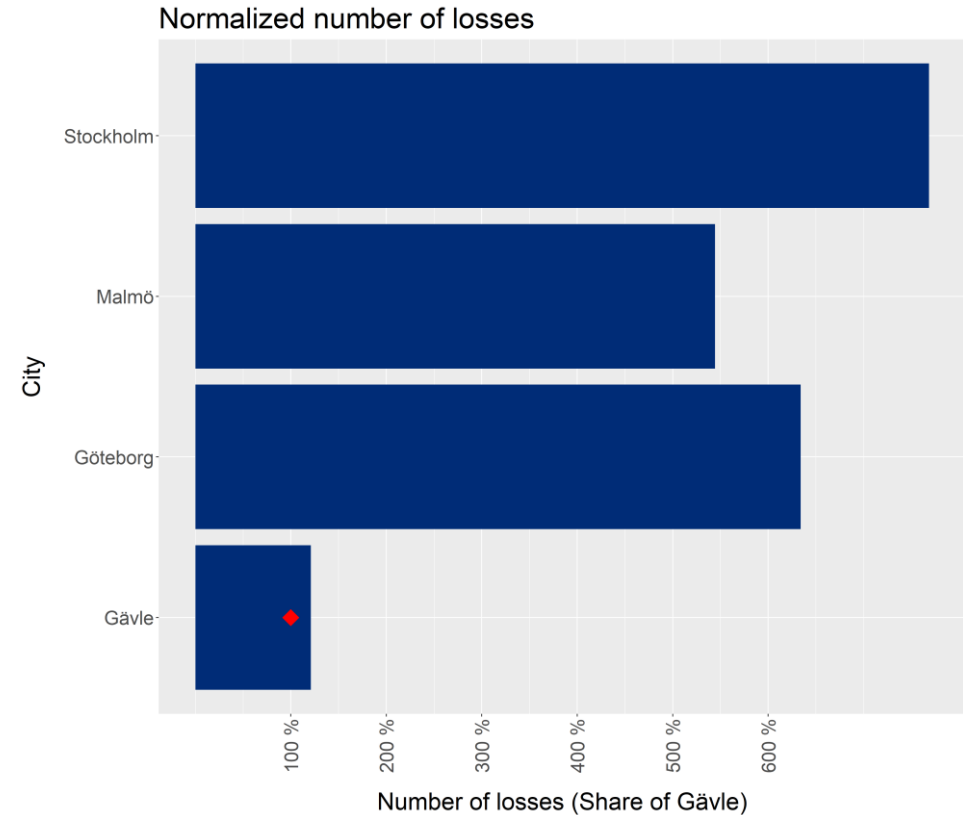
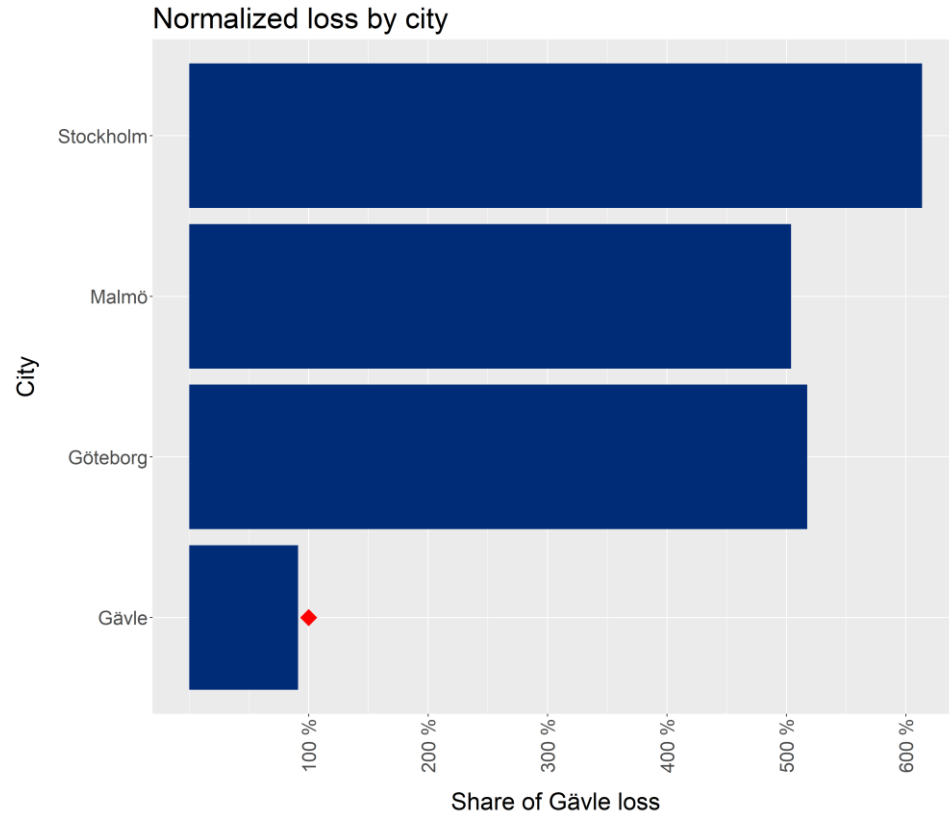
Vulnerability

Parameter estimation



Results

Moved scenario to other cities across Sweden



Thanks