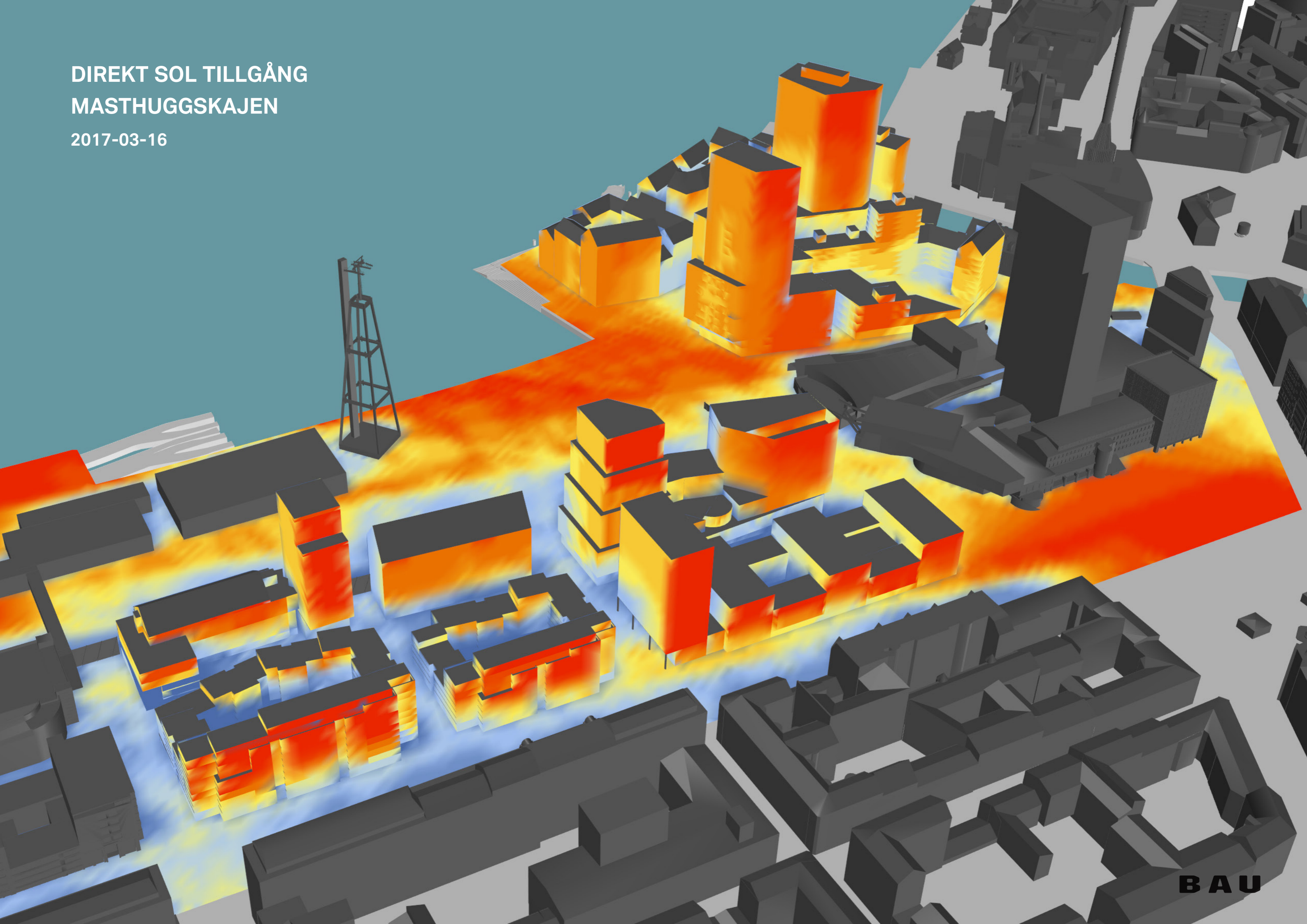
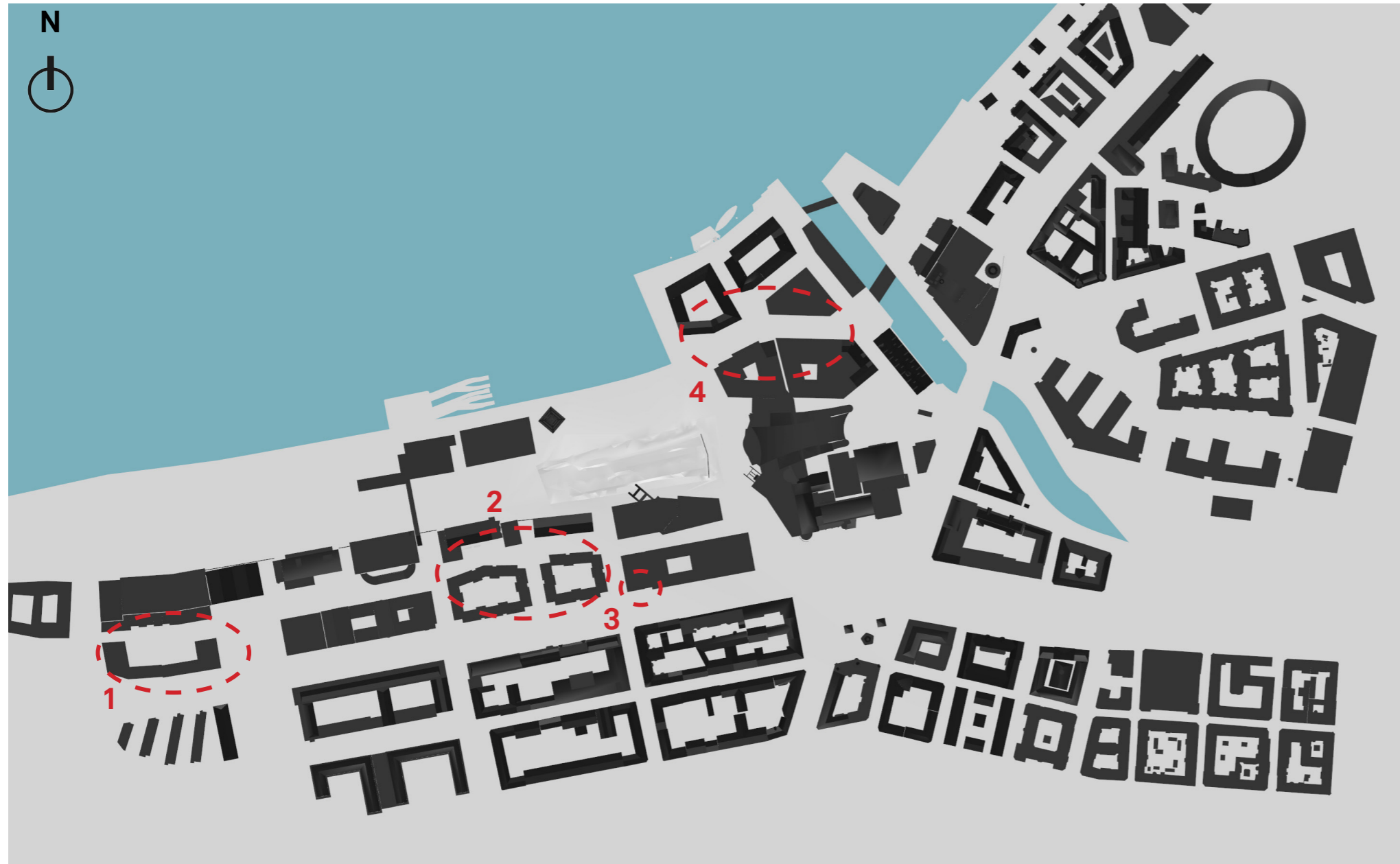


DIREKT SOL TILLGÅNG  
MASTHUGGSKAJEN

2017-03-16



## DIREKT SOL TILLGÅNG MASTHUGGSKAJEN



### Study Aim

The purpose of this study is to judge solar access for the outdoor areas of Masthuggskajen.

### Method

Results for solar access are calculated using the environmental analysis software Grasshopper/Honeybee. Shading effects from plants and other vegetation are not considered in these calculations. Consideration is given to daylight savings time for all the above calculations. Given that outdoor space is seldom used for sitting during the early morning, results for times before 08:00 have been excluded.

Four specific time periods are assessed here:

(A) Equinox (mars/sept 21) 08:00 – 18:00

This period is traditionally used for assessment of outdoor spaces in Sweden. Boverket's document *Solklart* from 1991 recommends 'Minst 5 timmars sol mellan 9.00 – 17.00 vid vår- och höstdagjämning i bostaden och på närmiljöns lekytor och sittplatser'. Three hours can be considered an absolute minimum for places where it is intended for activities other than walking.

Computer's allow for a more accurate assessment than a single day however and specific periods of interest can easily be calculated for the time of year when people generally find themselves staying outside: March 21 to September 21. For this study the three periods of interest are defined as:

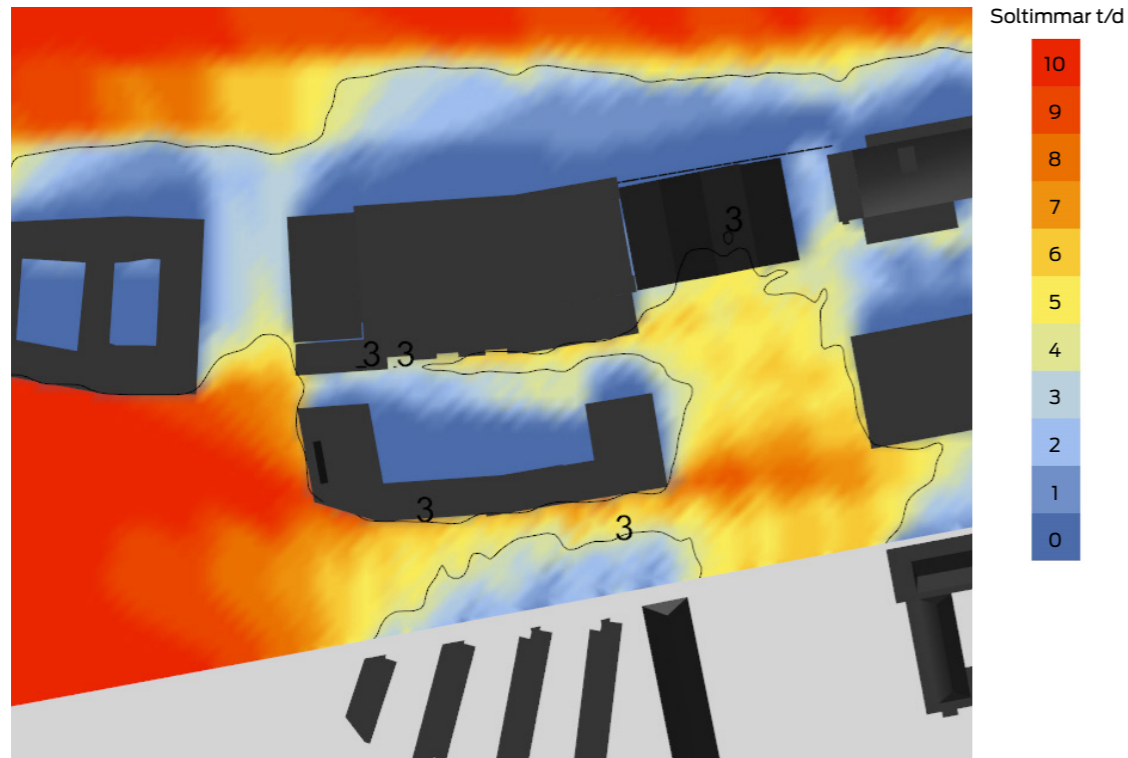
(B) Opening hours 08:00 – 20:00

(C) Lunchtid 11:00 – 15:00

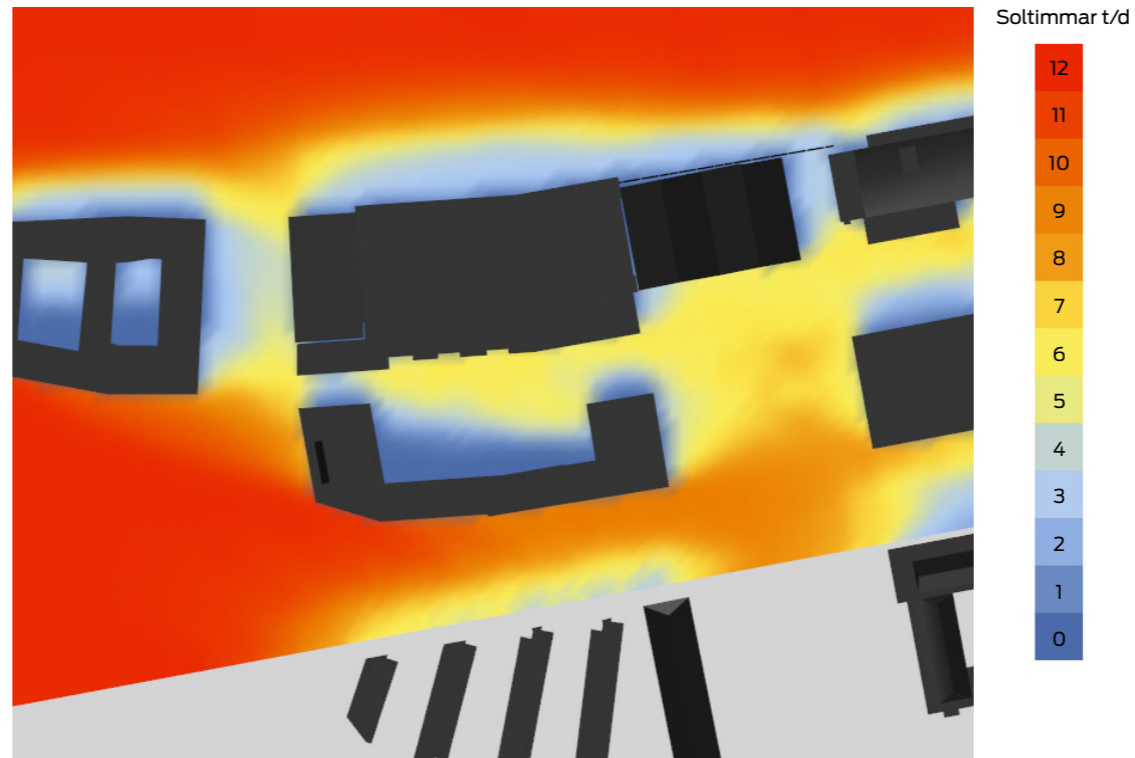
(D) 'Afterwork' 15:00 – 19:00

DEL 1

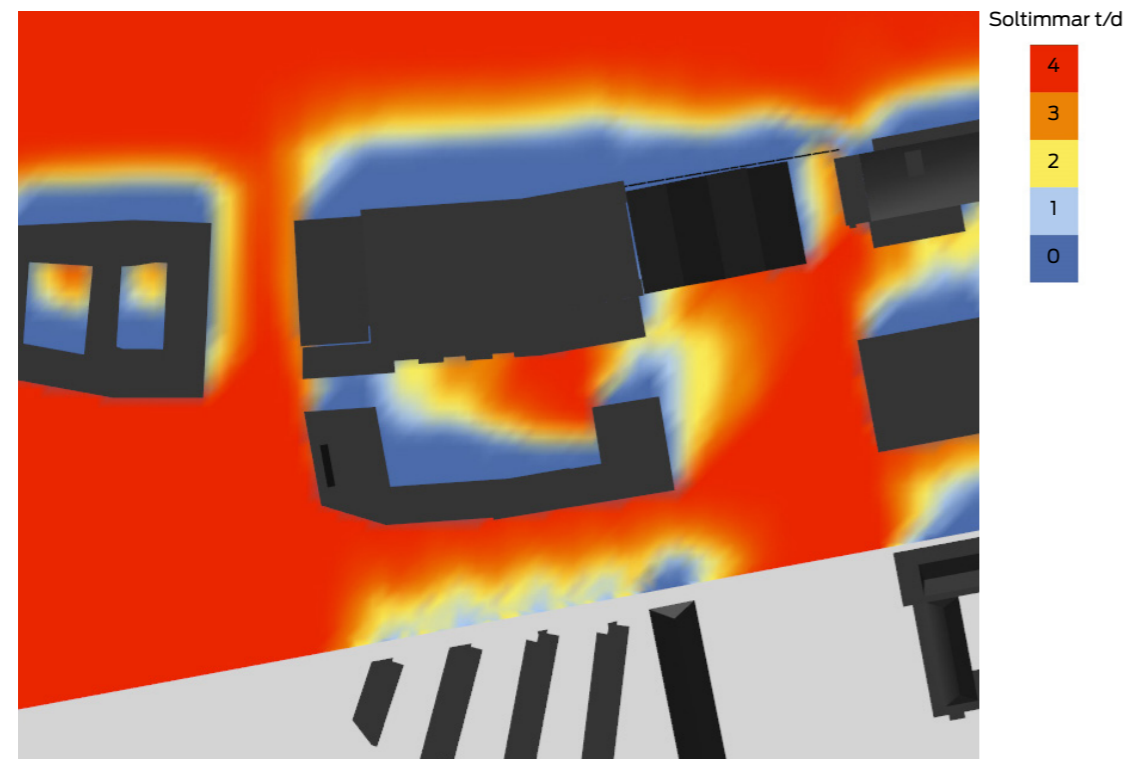
VÅR- OCH HÖSTDAGSJÄMNING (8:00-18:00)



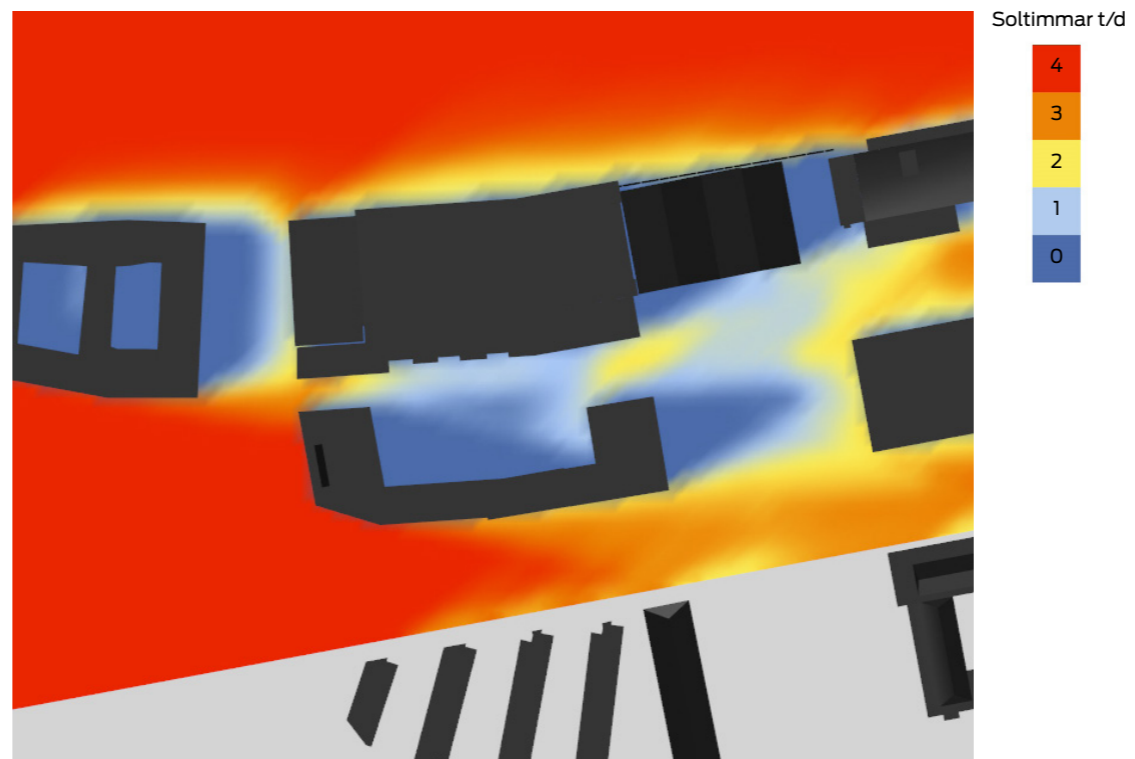
HANDEL OCH KONTORSTID (8:00-20:00)



LUNCHTID (11:00-15:00)

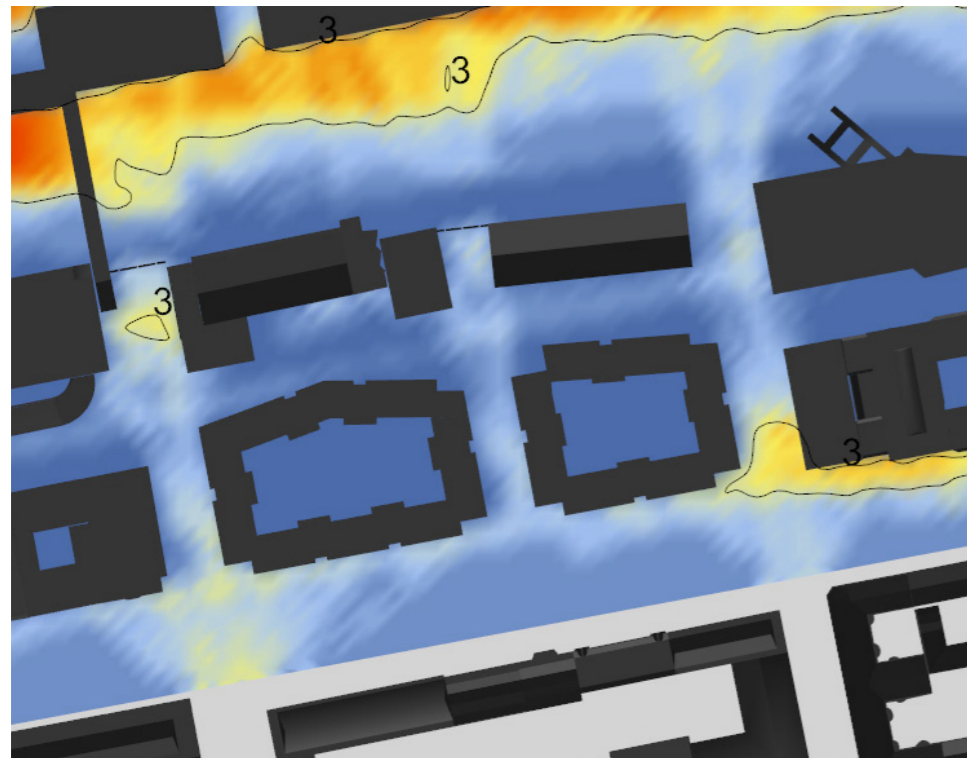


AFTERWORK (15:00-19:00)



## DEL 2 OCH 3

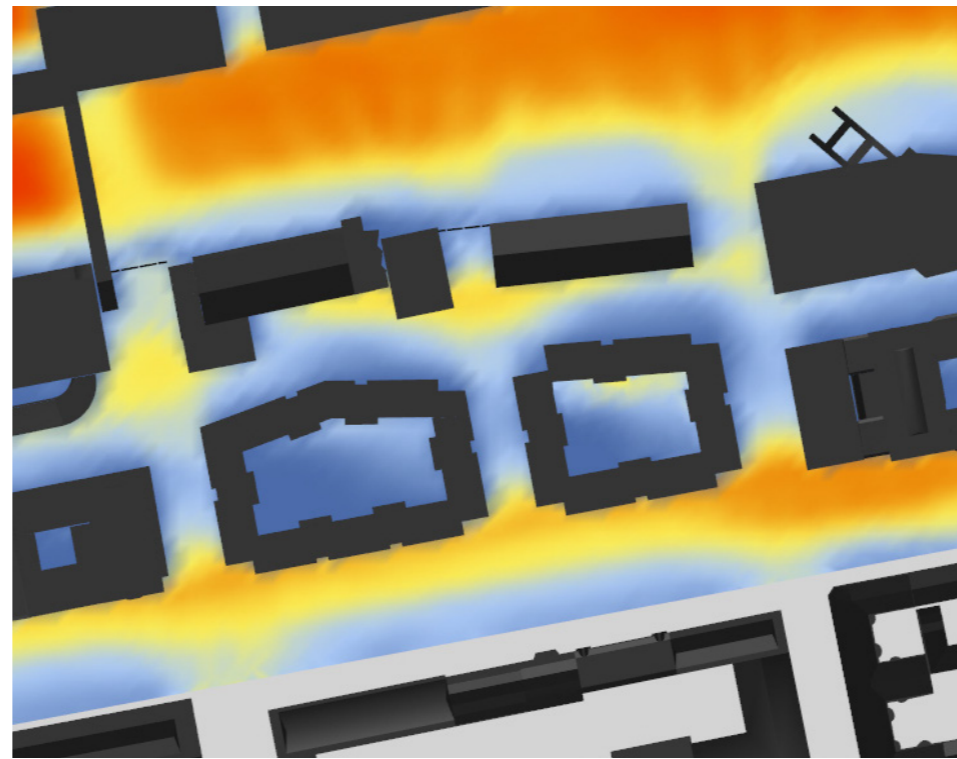
VÅR- OCH HÖSTDAGSJÄMNING (8:00-18:00)



Soltimmar t/d



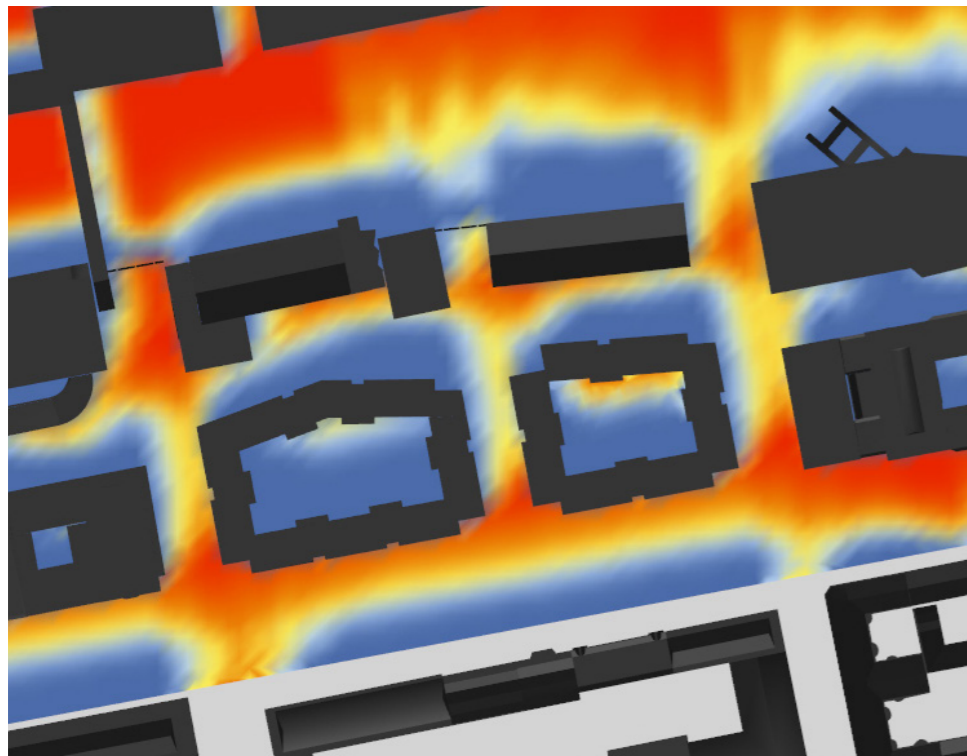
HANDEL OCH KONTORSTID (8:00-20:00)



Soltimmar t/d



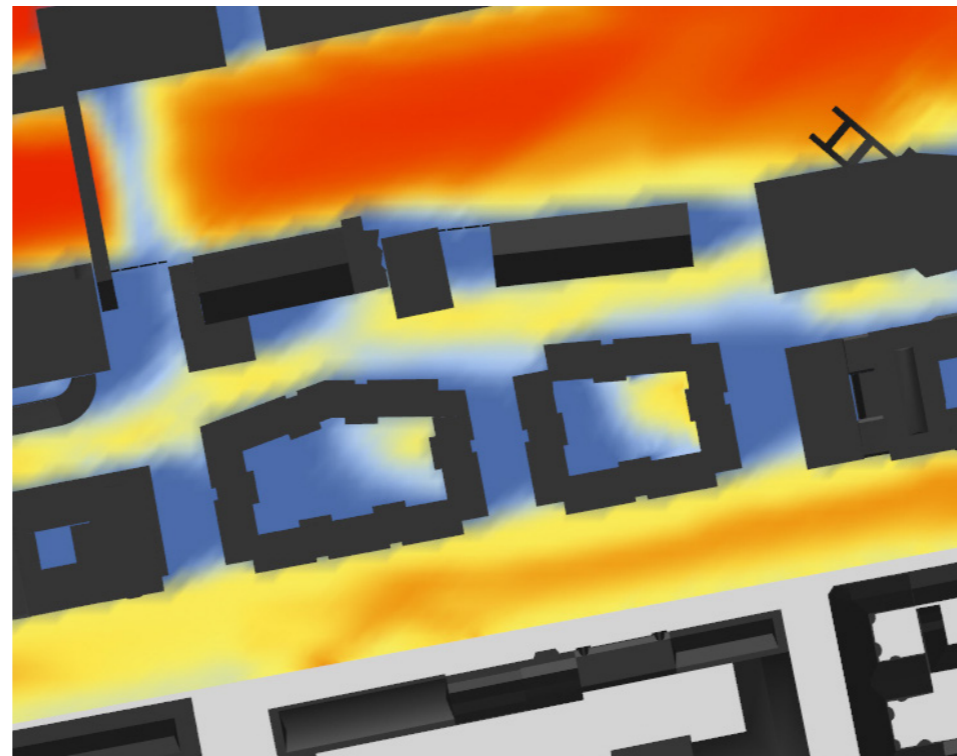
LUNCHTID (11:00-15:00)



Soltimmar t/d



AFTERWORK (15:00-19:00)



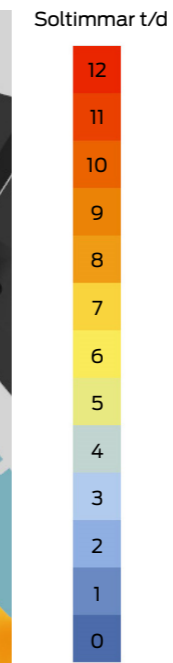
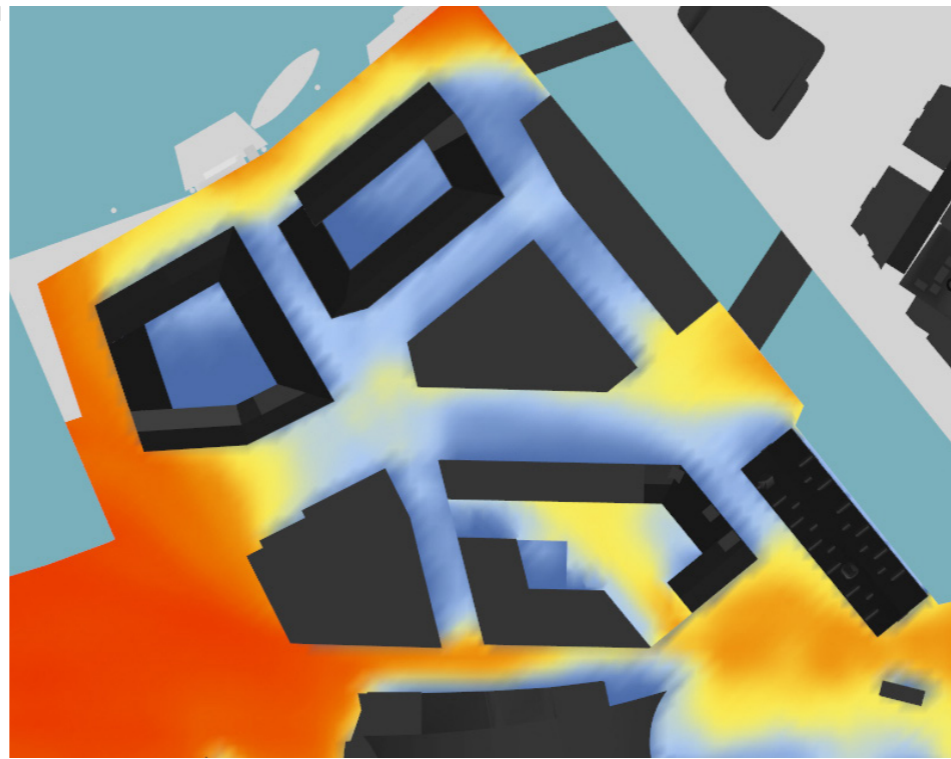
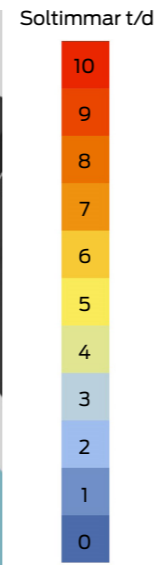
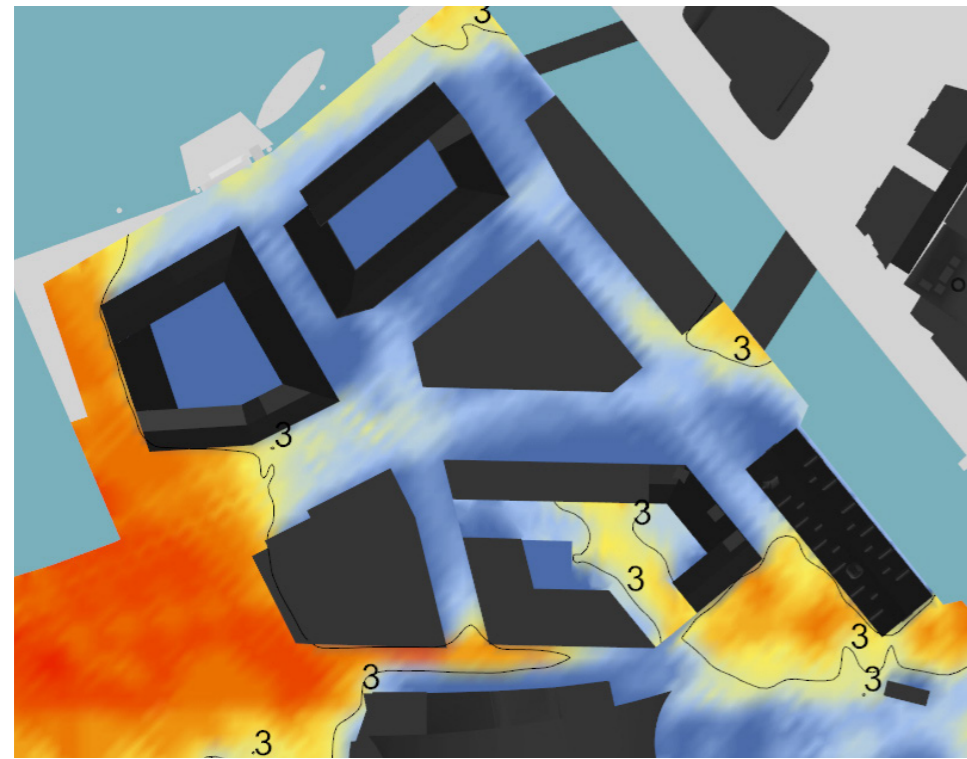
Soltimmar t/d



# DEL 4

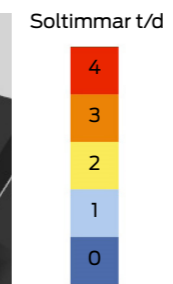
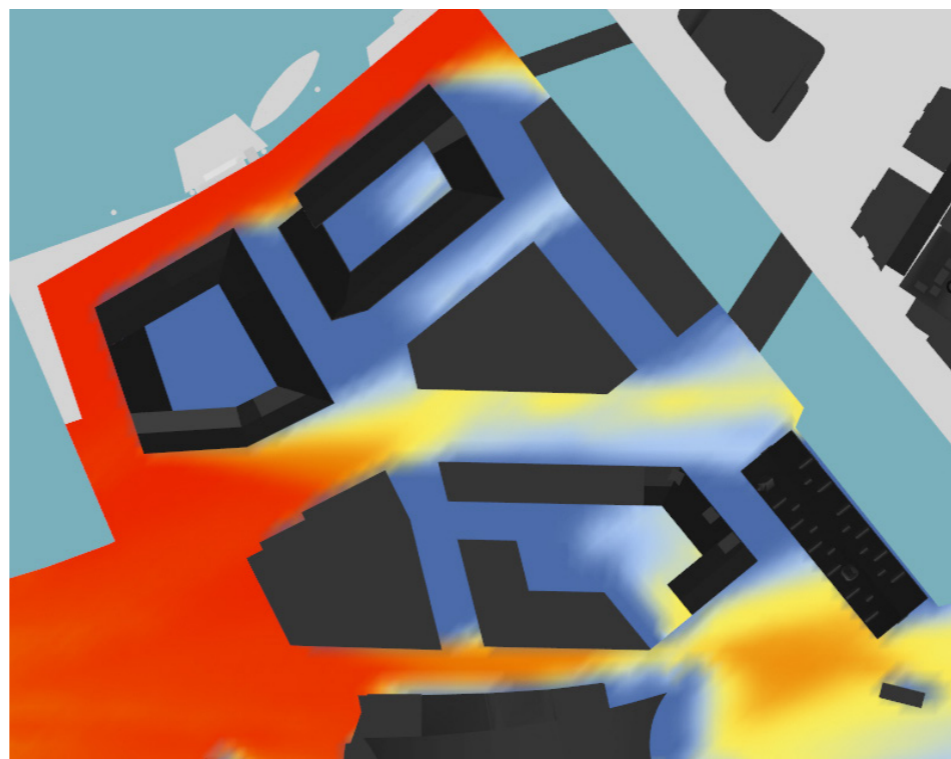
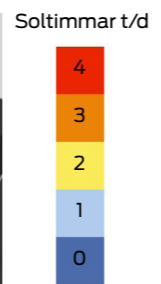
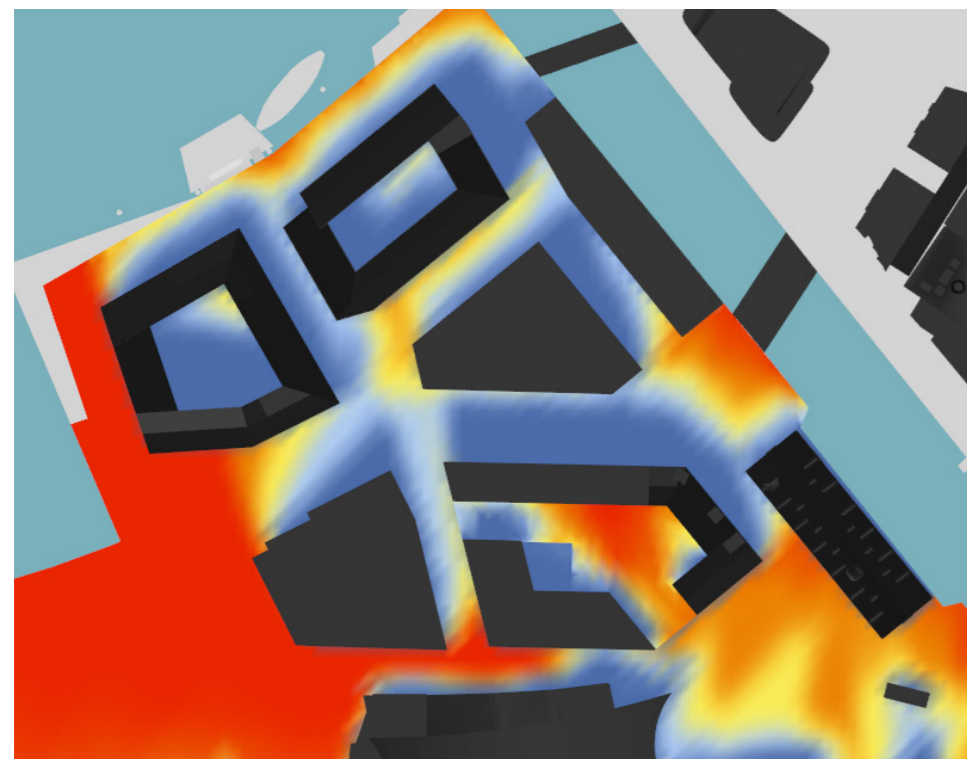
## VÅR- OCH HÖSTDAGSJÄMNING (8:00-18:00)

## HANDEL OCH KONTORSTID (8:00-20:00)

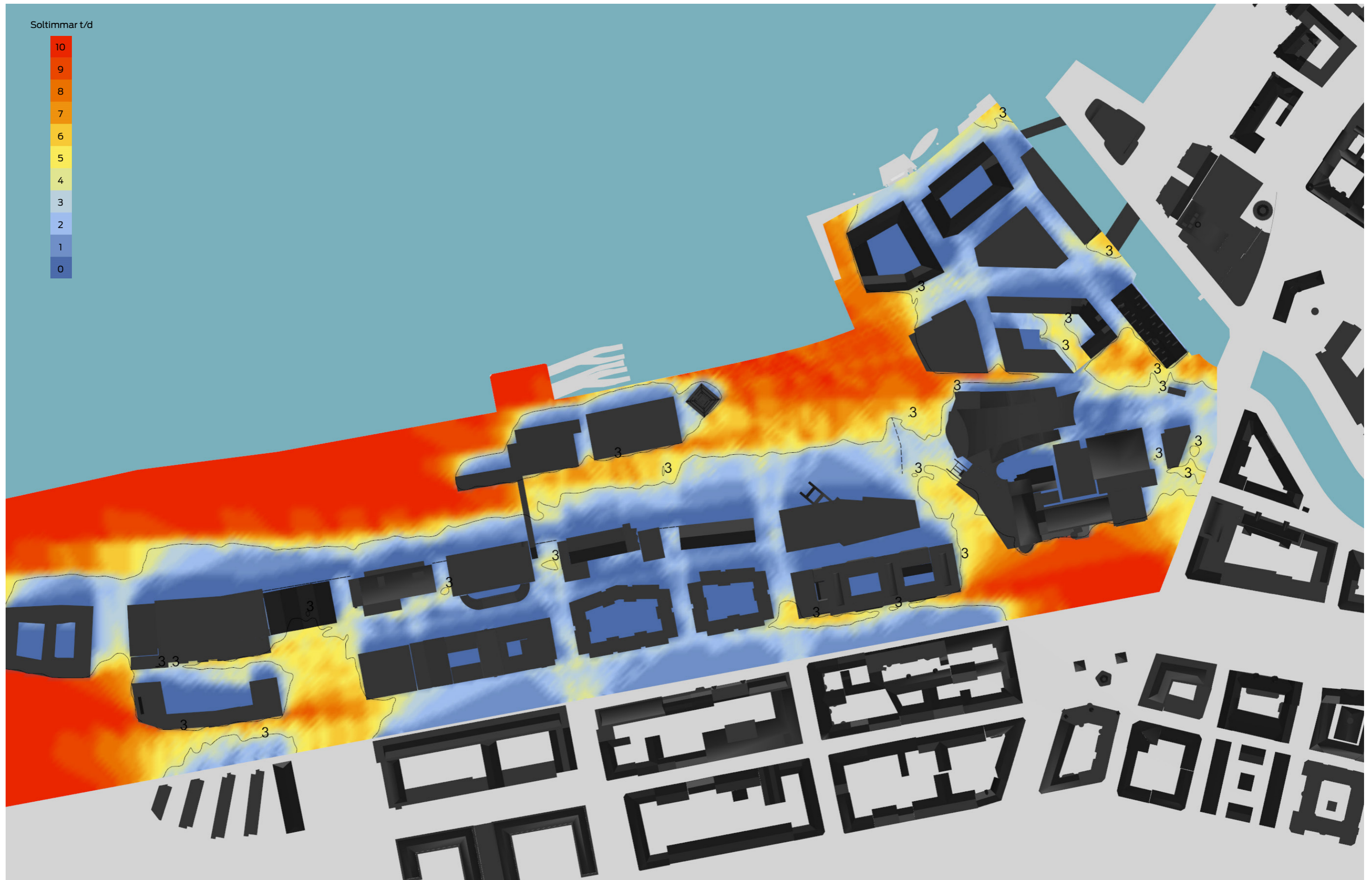


## LUNCHTID (11:00-15:00)

## AFTERWORK (15:00-19:00)



# VÅR- OCH HÖSTDAGSJÄMNING (8:00-18:00)



HANDEL OCH KONTORSTID (08:00 - 20:00) MARS 21 - SEPT 21

