

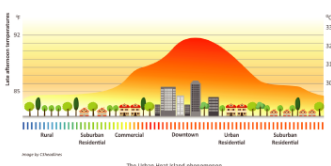
# The warmer the night, the hotter the day

How the Urban Heat Island impacts thermal comfort at different times

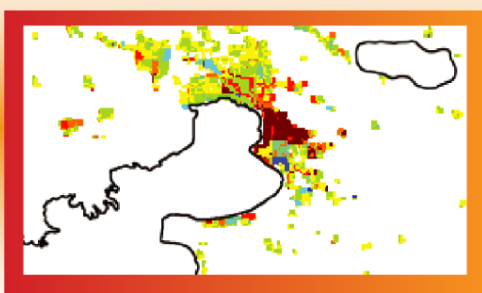


## The UHI phenomenon

In urban areas, there is a high concentration of dark surfaces and of materials which absorb significantly more solar radiation and heat. This influences the heat in urban areas and leads to higher temperatures than surrounding rural areas.



## During night, the temperature still remains high



Maximum UHI Intensity in Thessaloniki  
1 August 2020, 00:00 UTC

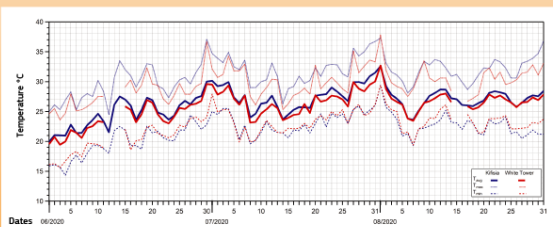
## The following day arrives, only to warm us even further

Temperature time series (Greece, 1/6-31/8/2020)

1 August 2020 was the hottest day of the year

The data was retrieved from two Meteorological Stations:

- Kifisia / Northern Suburbs of Athens
- White Tower / Centre of Thessaloniki



It is not only the sunlight that heats things up in cities during summer – it is also UHI. The difference is that the heat caused by the UHI phenomenon is more noticeable during the night, making the following day even warmer.

# Keep nights cool – save the day

Data provided by A.U.TH.



Project partners