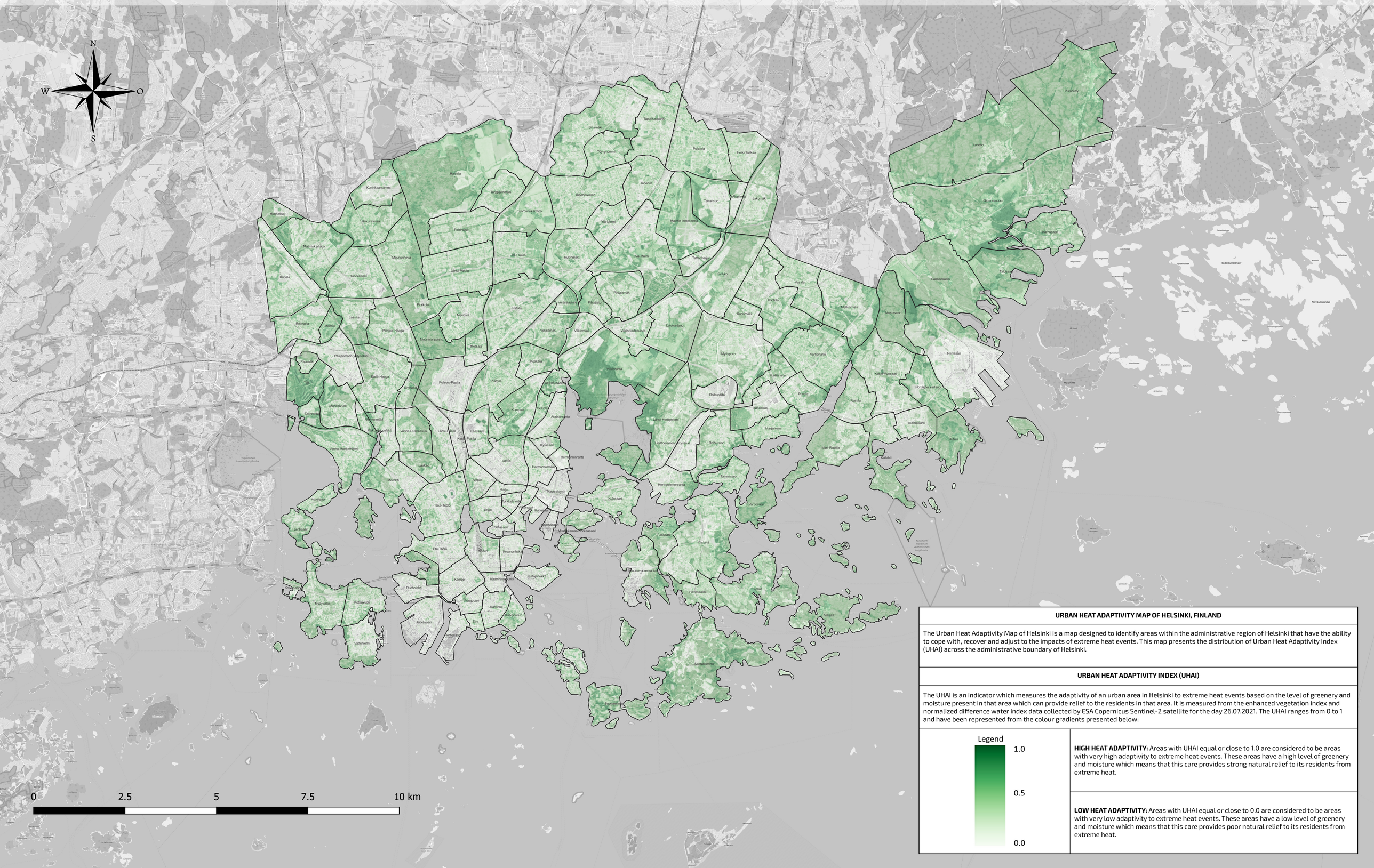
URBAN HEAT ADAPTIVITY MAP OF HELSINKI, FINLAND

ecoten
urban comfort



URBAN HEAT ADAPTIVITY MAP OF HELSINKI, FINLAND

The Urban Heat Adaptivity Map of Helsinki is a map designed to identify areas within the administrative region of Helsinki that have the ability to cope with, recover and adjust to the impacts of extreme heat events. This map presents the distribution of Urban Heat Adaptivity Index (UHAI) across the administrative boundary of Helsinki.

URBAN HEAT ADAPTIVITY INDEX (UHAI)

The UHAI is an indicator which measures the adaptivity of an urban area in Helsinki to extreme heat events based on the level of greenery and moisture present in that area which can provide relief to the residents in that area. It is measured from the enhanced vegetation index and normalized difference water index data collected by ESA Copernicus Sentinel-2 satellite for the day 26.07.2021. The UHAI ranges from 0 to 1 and have been represented from the colour gradients presented below:

Legend

1.0

0.5

0.0

HIGH HEAT ADAPTIVITY: Areas with UHAI equal or close to 1.0 are considered to be areas with very high adaptivity to extreme heat events. These areas have a high level of greenery and moisture which means that this care provides strong natural relief to its residents from extreme heat.

LOW HEAT ADAPTIVITY: Areas with UHAI equal or close to 0.0 are considered to be areas with very low adaptivity to extreme heat events. These areas have a low level of greenery and moisture which means that this care provides poor natural relief to its residents from extreme heat.