

# URBAN POPULATION, HEAT ISLAND EFFECT & QUALITY OF LIFE

## How quality of life is affected:

- Significant increase in the risk of morbidity and mortality due to increased thermal stress
- Air pollution and degradation of air quality
- Significant effects on urban ecosystems
- Increased cooling energy consumption and relevant costs
- Significant increases in energy demand due to the Heat Island effect

1

global urban population  
(2018): 4.2 billion



2

by 2030 the world  
is projected to have  
43 megacities



3

54% of the world's  
population live in cities



4

they produce about 80%  
of the gross world  
product



5

they consume about 78%  
of the world's energy,  
and produce more than  
60% of all CO<sub>2</sub> emissions



Project partners