

Due to increasing urbanisation, a growing proportion of the world's population lives in cities and is therefore affected by heat island effects. This phenomenon describes the difference in temperature between urban areas

and the less urban surrounding countryside, which can be as much as 10 °C: <sup>1</sup>

- In Europe, about three quarters of people live in urban environments <sup>2</sup>
- Sealed surfaces store heat and are thus a major reason for heat islands
- Increasing green space by 10% can reduce the temperature on summer days by approx. 3  $^{\circ}\mathrm{C}$  <sup>3</sup>
- Latent loads are measurable for people, quality of life and real estate

## Density of population vs. proportion of green space



In addition to green space, there are also clear differences in terms of population density: Cities with a high degree of population density tend to have less green space per capita.

> 1: DWD 2: BMUV 3: Stadt Marketing Austria