

Solutions

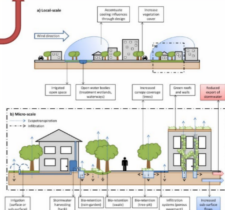
Role of water and green infrastructure

Reduce micro-scale air temperature and radiant temperature

Improve human thermal comfort

Reduce local-scale air temperature

Limit heat-health impacts



Schematic representation of a widespread implementation of stormwater harvesting and water-sensitive urban design elements at the micro-scale in the restoration of a more natural water balance, along with increased vegetation cover. This enhances urban evapotranspiration and shading resulting in local-scale cooling effects that can improve human thermal comfort. Adapted from Coutts et al. (2012) - Dr Kerry Nice (Managing urban heat in water sensitive cities: research and policy responses - 2017)

Stormwater Harvesting

Orange City

Stormwater harvesting can reduce urban heat island.

Innovative

Rainwater harvesting

11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION

