

Green square in Eindhoven

The Clausplein square, located in the city centre of Eindhoven, has been refurbished and several nature-based solutions have been implemented on the square. The stone-covered square is greatly affected by extreme weather events. During a heat wave, the square turns into an unpleasant hot place that citizens avoid, whereas rain showers cause an overload for the sewerage system resulting in floods. An underground water retention system has been installed to reduce the risk of floods, whereas trees, grasses and plant sections have replaced the pavement. The new square has been designed together with the surrounding inhabitants and entrepreneurs as well as a local NGO.



Quick facts

Site: Paved square in the city centre

Aim: Reduce the risk of floods and mitigate heat stress

Cost: 837,000 EUR

CHALLENGES



Air pollution



Heat stress



Flooding

BENEFITS



Increased greening



Improved water quality



Improved air quality



Reduced heat stress



Improved water quality

CO-BENEFITS



Enhanced biodiversity



Increased livability

