



# New digital tools for cleaner, cooler, healthier cities

UrbanAIR develops a digital twin that empowers cities to make evidence-based planning decisions for residents' health and wellbeing.

## OUR APPROACH

**High-resolution modelling**  
air quality and temperature  
at street level

**Scenario simulation**  
test planning solutions before  
implementation

**Behavioural modelling**  
integrate resident responses  
to climate conditions

**Multi-scale integration**  
connect models from regional  
to neighbourhood scales

**Co-creation approach**  
developed with city  
authorities

## DEMONSTRATION CITIES

Barcelona | Antwerp | Paris  
Bristol | Rotterdam

## WHY THIS MATTERS

Climate change is making cities hotter and more polluted, threatening public health. Planners need advanced tools to create resilient, liveable communities.



design: futureneeds.eu