

# the **U**rban **T**ool for **A**ir **Q**uality

## 1. THE CHALLENGE

**HOW CLEAN IS THE AIR YOU BREATHE?**

**GET INVOLVED**  
UTAQ – Urban Tool for Air Quality – is very easy to reach and use  
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**CAMS/COPERNICUS**  
UTAQ is winner of a notice of CAMS, one of six services of Copernicus  
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**A POWERFUL TOOL**  
A web application for a short-term response to air quality exceedance  
[LEARN MORE](#)

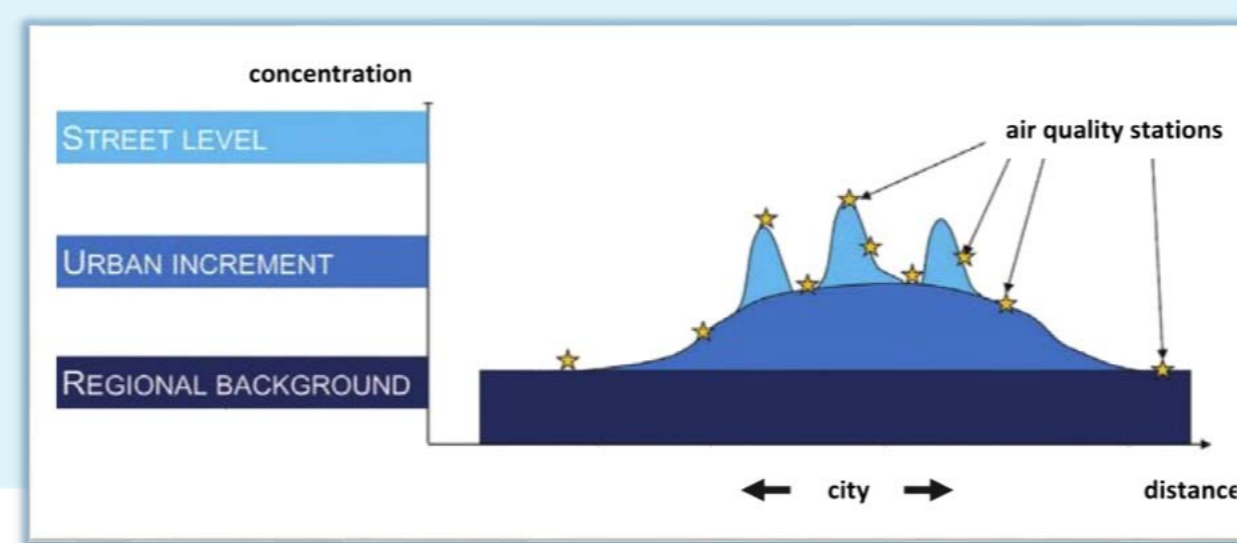
**CITIES**  
An Urban tool expressly at cities and their decision makers and citizens  
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To provide urban city planners and municipality agencies with a web-based application that integrates ad hoc modeling tool to look at the air quality conditions in metropolitan areas in greater detail using CAMS forecast product to assess air quality and evaluate short-term response to manage emergency conditions of air quality exceedances.

A multiscale integrated model system is developed and validated with EU public modelling tools:

**SHERPA CITY (JRC – IES)**  
forecast for the urban increment and the street level

**CAMS (ECMWF)**  
forecast for the regional back-ground and the urban increment



Hvidtfeldt et. al. (2018). "Evaluation of the Danish AirGIS air pollution modeling system against measured concentrations of PM2.5, PM10, and black carbon." *Environmental Epidemiology*, 2, 1. 10.1097/EE9.000000000000014.

## 3. THE TOOL

→ **UTAQ for citizens:**

4DAYS AIR QUALITY FORECAST MAPS at city level and street level (mobile)

→ **UTAQ for decision planner:**

DSS tool to choose different scenario results of policy application

