



Urban Environmental Monitoring (UEM)

Launched in 2014, UEM plans to deploy a network of almost 3,000 sensors and associated networks across a region located to the south of the Plaine du Var. These sensors will be used to collect and analyse environmental data (air quality, pollen, weather, noise, water and energy, waste management, connected vehicles, etc.), to feed information into 25 new services being tested for the local residents, companies and local authorities.

Consortium of Partners: Orange and its subsidiaries (including IT&labs), M2O City, IBM, Veolia Environnement Conseil Aménagement and Veolia Environnement Recherche et Innovation.

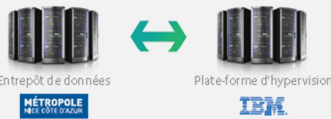
CAPTEURS MÉTROPOLE NICE CÔTE D'AZUR



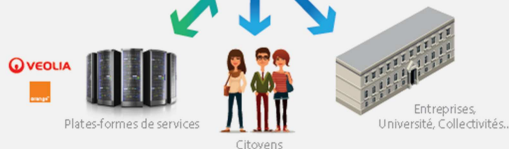
DONNÉES



BUS D'ÉCHANGE



SERVICES



Key figures

>3.000 Sensors deployed

To urban monitoring prototype of this scale in France

€1m In savings/year thanks to UEM, as part of the digital waste management (smart collection)

162 hectares under experiment across 3 districts:

25 Connected services in order to improve the urban environment and the urban public services

Schedule

2016

Launch of **Métropollen**

> An application aimed at improving the life and health of those allergic to plant pollen

In partnership with: Nice Côte d'Azur Metropolitan Area/ City of Nice/Veolia and the Réseau National de Surveillance Aérobiologique (RNSA)

2015

Implement a **smart waste collection service**

> 58,500 wheelie bins fitted with electronic chips

> 115 waste collection vehicles fitted

Objectives:

- ▶ Achieve direct savings of energy & resources (such as water) and operating costs
- ▶ Reduce noise and pollution in public spaces
- ▶ Develop research and create new jobs in this field



PROJECT OPERATIONAL