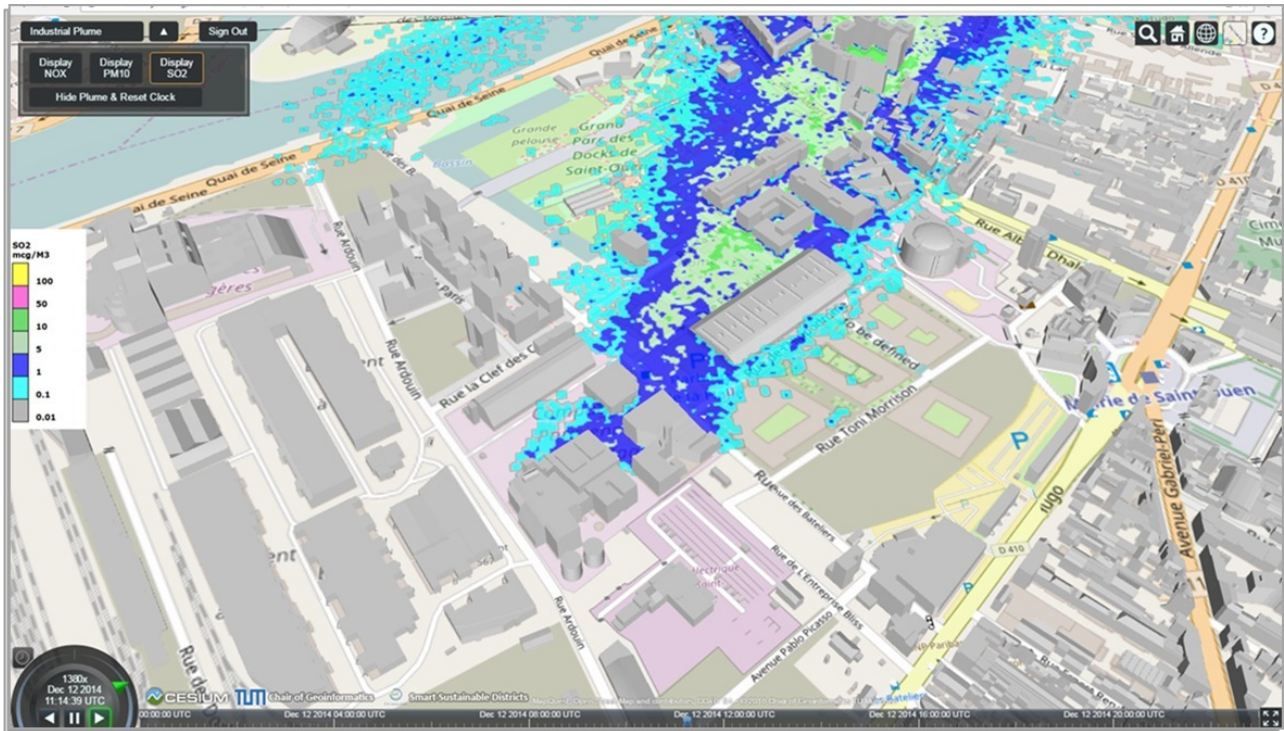


NUM-City

by Anaïs Labigne / 2017-04-24 15:37:44 / France / 5372 / FR



Year of commitment : 2016

- Green energies** : Energy Efficiency
- Digital services** : Receivers, Smart grid, Mobility, Water, Waste, Health
- Sustainable mobility** : Roads, Pedestrian Mobility, Urban roads, Bus, Metro, Parking
- Circular economy and waste management** : Other, Composting bin
- Biodiversity & Ecosystems** : / Environment education /



650 000 €

GENERAL INFORMATION

NUM-CITY is a digital tool developed by ARIA Technologies and the Technical University of Munich on the Docks of Saint-Ouen, eco-district of the Metropolis of Grand Paris. NUM-CITY is a digital tool developed by ARIA Technologies and the Technical University of Munich on the Docks of Saint-Ouen, eco-district of the Metropolis of Greater Paris. It makes it possible to evaluate sustainable development criteria: water and energy consumption, waste generation, air quality, social cohesion ... thanks to the participation and involvement of all its stakeholders, particularly the inhabitants.

NUM-CITY is an evolutive web tool: many functionalities can be integrated (mobility, environment ...) and it is adaptable to any other territory. The development of NUM-CITY on the Docks was funded by the European Climate-KIC institution.

Progress Status

Delivered

Data Reliability

3rd part certified

Funding Type

Public

Sustainable Development

Attractiveness :

- Platform of exchange of information unique among all actors: Séquano Aménagement, EPT Paine commune, City of Saint-Ouen sur Seine, inhabitants, promoters ...
- Appropriation of the tool
- Pillar Label EcoQuartier "Living environment and uses - Improving the everyday life"

Social Cohesion :

For each of these subjects, consultation, then the tool when it is in operation, clearly shows the financial consequences (energy bills, water ...) of the behavior of each one. The environmental consequences (air quality) and longer-term climate impacts are also discussed and explained.

Preservation / Environmental Improvement :

The tool promotes the awareness that the daily decisions of each have an impact on these subjects and it creates the conditions for a lasting change of behavior.

- Presentation of the main atmospheric emissions, in real time, at human height (0 to 2m) and on each floor (every 2.70m)
- Improvement of the image of the CPCU and the Sycotm, as well as of the territory, vis-à-vis all the actors of the city of Saint-Ouen-sur-Seine and beyond this territory
- Pillar Label EcoQuartier "Resource conservation and adaptation to climate change - Responding to the climatic and environmental emergency"

Responsible use of resources :

- Measurement and monitoring of consumption: hot water, cold water, heating, electricity
- Measurement and monitoring of the quantity of waste produced and the quality of the sorting
- Changing behavior
- Pillar Label EcoQuartier "Resource conservation and adaptation to climate change - Responding to the climatic and environmental emergency"

Governance

ARIA Technologies

Holder Type : Private Company

Business Model :

The budget needed to adapt and implement our tool in a neighborhood is:

- Of approximately 85 k €, the amount depends in particular on the data available at the outset and the complexity of the tool to be designed
- 15% per year for maintenance and accommodation
- Around 30 to 70 k € per function depending on the complexity + maintenance and accommodation costs.

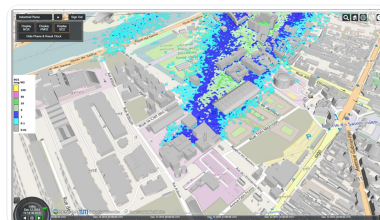
Sustainable Solutions

NUM-City, an evolutive web tool

Description :

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- Smart city :
- Resources :
- Energy/climate :
- Urban project governance
- Citizen participation
- Proximity services
- Air quality
- Business parks
- Collaborative transportation
- Digital services
- Waste management

- Citizen-awareness
- Other
- Climate adaptation
- SmartGrids

Company (es) Website :

Company (es) Website :

Company (es) Website :

Contest

Reasons for participating in the competition(s)

LES INNOVATIONS DEPLOYEES

> **Méthode de concertation citoyenne innovante** mise en place très en amont du projet pour permettre l'implication et l'expression de tous les acteurs et créer un outil utile à tous et utilisé par tous => **nouvelle méthode de gouvernance**

> **Des outils simples de suivi et d'anticipation des consommations**, pour chaque bâtiment et pour l'ensemble du quartier, en électricité, chauffage, eau, ainsi que les courbes de **production** de déchets (qualitatif et quantitatif) => **économies et « reste pour vivre »**

> **Une carte collaborative** permettant l'échange d'informations entre tous les acteurs (habitants, collectivités territoriales, EPCI, bailleurs sociaux...) concernant les travaux, l'environnement, la culture, les commerces ... => **cohésion sociale et solidarité**

> **Un forum d'échanges dans chaque bâtiment** => **cohésion sociale et solidarité**

> **Des outils pour tous permettant de connaître son environnement**, par exemple des cartes des panaches de pollution de l'air => **santé, lutte contre le changement climatique et protection de l'atmosphère**

NUM-CITY permet l'évaluation des indicateurs de développement durable des quartiers, notamment pour l'obtention du Label EcoQuartier.

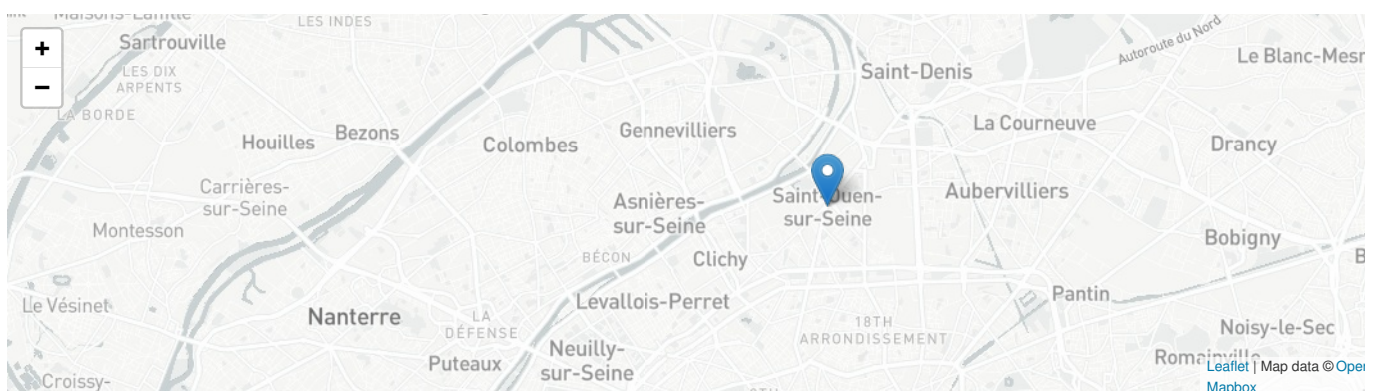
Building candidate in the category



Coup de Cœur des Internautes



Grand Prix Infrastructure Durable



Date E

