



# URBAN CO-CREATION DATA LAB

## 1 OBJECTIVE

Support decision-making at the municipality level in order to provide citizens with high quality services in the areas of security, emergency, operational management and planning

## 5 CHALLENGES

**Mobility:** Evaluation and prediction of patterns and behaviours of micro mobility in the city of Lisbon

**Waste management:** Identification of patterns/ profiles and prediction of the production of municipal solid waste in the city of Lisbon

**Parking:** Identification of patterns and prediction of parking in the city of Lisbon to improve efficiency in the supervision

**Pollution:** Elaboration of predictive models for the propagation of liquid and atmospheric pollutants in the city of Lisbon

**Crowd management:** Evaluation and elaboration of models for predicting the impact of major events on Lisbon city services

## 6 ACTIVITIES

- Data preparation and open data infrastructure assessment
- Services analytics refinement and HPC preparation
- Co-Creation Labs: perform experiences and validation by cities
- Dissemination and Communication of results
- Future sustainability
- Action Management

## 13 MILESTONES

- Action management plan including quality assurance and risk management
- Data sets and requirements defined for all 3 cities
- Elaboration of dissemination strategy and setting up of dissemination channels
- Service and Use Cases full definition for all 3 cities is ready
- Defined methodologies to be followed in all cities' co-creation labs are ready
- Data models including refined analytical 30/09/2020 models (descriptive, predictive and prescriptive models) that support the city's planning and management and 5 analytical services are deployed in HPC
- HPC resources have been used in order to process the data as required by the Action
- Compliance with the Metadata Quality Assurance (MQA) tool for datasets
- For all services: identification of viable business models and willingness to buy verified
- Complete use cases implementation in all cities' Co-Creation Labs
- Final reach assessment
- Final conference in Lisboa
- Beneficiaries to deliver a demonstration of their Action's results via remote or onsite meeting with DG CNECT