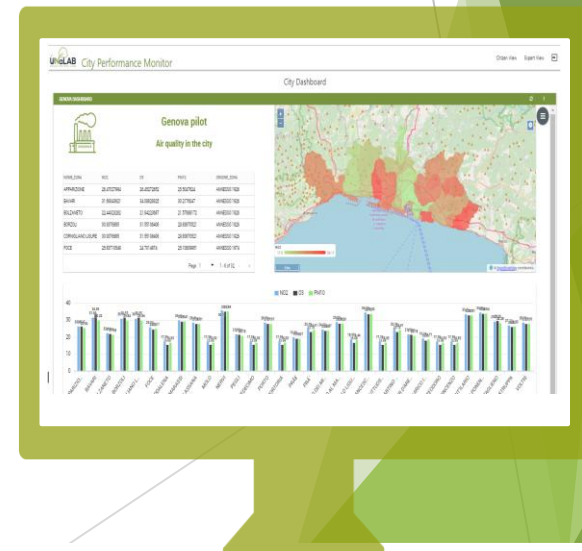# City Performance Monitor (CPM)

The City Performance Monitor

City Performance Monitor (CPM)
provides graphical features to manage and visualize performance indicators related to the urban conditions and the social and environmental impact of the NBS.

CPM enables the data-driven decision making exploiting actual measures and urban data sources

http://unalab.eng.it/cpm_v2/

European Commission

The City Performance Monitor

Benefits ensured by the CPM

- **Transparency** – perfomance indicators are publicly accessible and findable. Managers and decision makers can provide evidence about the impact and benefits derived by the implemented solutions.

- **Objectiveness** – measures and KPI leverage the the actual measures coming from the urban data sources (i.e., IOT sensors devices).

bottom-up

- **Social impact** – improves the stakeholder awareness about the current conditions allowing the participatory definition, monitoring and evaluation of the NBSs.
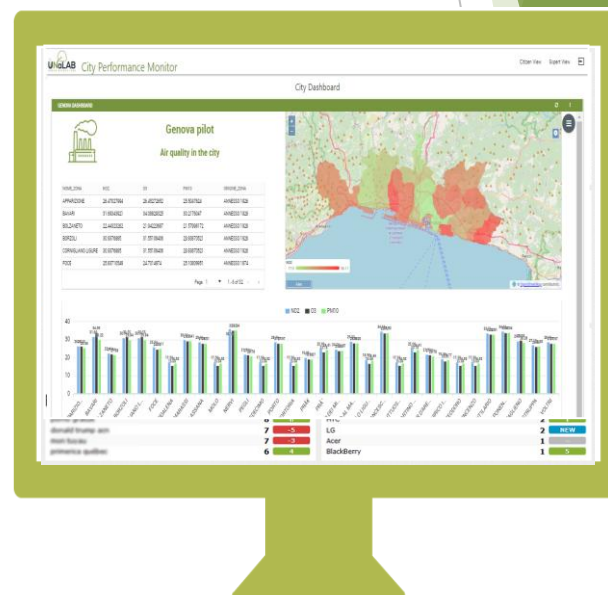
- **Understandability** –dashboards with charts and maps facilitate the understanding of scientific knowledge and historical trends.

The City Performance Monitor

CPM will helps the stakeholders to focus on the information that they really need:

- urban conditions
- status of the implemented NBS solutions
- potential problems, disruptions and lacks of resources
- indicator values on a map of the city

- But they can also proactively:
- Highlight the unanswered questions
- Identify future strategical objectives

The City Performance Monitor

Target users

ULL Managers are facilitated on creating, setting up and updating the KPI using data sources and manual input values.

Citizens can see the KPI to monitor the the real effectiveness of the implemented solutions.

European Commission

NBS Co-creation Process

Citizens can understand the current conditions

Municipality has under controll any objective data in regards of the city

ONIA   NBS-SVT   CPM

PLAN
Identify a specific problem and its root cause

DO
Apply countermeasures to address the root cause of the problem

ONIA

NBS-SVT

ACT / ADJUST
Fine-tune solution via continuous improvements

NBS-SVT

CPM

CHECK
Evaluate whether the problem is resolved

CPM

Municipality takes under controll the performance and the impact of the solution leveraging the available data sources

Citizens can monitor the trends of the indicators

Municipality takes under controll the performance and the impact of the solution leveraging the available data sources

The City Performance Monitor

Live demo!

http://unalab.eng.it/cpm_v2/

Open discussion

▶ Participants explore NBS performance using CPM and open discussion

http://unalab.eng.it/cpm_v2/

▶ Note: some of the KPI are using not actual measures