



Expression of interest

Contact details

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Short description of the organisation

The City of Istanbul is considered as a real-life test bed area to provide a realistic and real-time smart city environment for researchers and entrepreneurs. Istanbul is a space where researchers and entrepreneurs are welcome to perform multiple studies and evaluate their results in a realistic environment. In that sense, IMM would like to support entrepreneurs and researchers to conduct their studies with real-life pilots and demonstrations. In addition, IMM is very open to exploring and deploying new solutions for newly designed or existing transport infrastructure to accommodate new and shared mobility services and related technology-based solutions.

Istanbul Metropolitan Municipality is a huge organization with almost 90.000 employees, 30 subsidiaries, and 2 public utility corporations (ISKI-water supply company and İETT-transport and fleet company.) During the projects, IMM is also working with the private sector to support the public-private partnership. The Istanbul Metropolitan Municipality, which is responsible for the local administration of the provincial territory with 92,968 employees, spans a total area of 5,461 km² for 39 Districts of İstanbul.

As a pioneer metropolitan municipality in Turkey, IMM is a strong figure for the dissemination and exploitation of any project through all other city-level and district-level local governments of the country. Besides this national opportunity, IMM is a member of various international networks such as CIVITAS, C40 Climate Leadership Group, EIT Urban Mobility Hub, EUROCITIES, and UCLG.

Istanbul Metropolitan Municipality, Transportation Planning Department is the principal public body in the planning, design, implementation, and operation of the transportation sector in Istanbul with several affiliated companies that are responsible for the transportation sector of planning, land use, and integration with other sectors, traffic regulation, and transportation in different modalities from active mobility to logistics.

Specific skills related to the project

“HORIZON-CL5-2024-D6-01-06: Optimising multimodal network and traffic management, harnessing data from infrastructures, mobility of passengers and freight transport”

(IMM’s Role can be one or all of those, “Demonstration-Implementation-Dissemination” - depends on the WPs.-)

Istanbul Metropolitan Municipality has been using sensors to automatically detect the current traffic conditions since 2003. With these sensors established in order to obtain numerical data on the traffic flow on the road network online, vehicle speeds, vehicle numbers, vehicle classifications, traffic density and travel durations can



be obtained instantly. All data obtained is stored, used as input for projects, and shared with universities for scientific studies.

In order to obtain traffic information, radar, image processing and Bluetooth based sensors are used. In addition, the data obtained from IBB mobile applications and vehicle tracking systems are converted to information with software.

<https://uym.ibt.gov.tr/yharita6/>

With GPRS communication infrastructure from sensors on the land, instant traffic data received by the Transport Management Centre allows for the Istanbul Traffic to be monitored numerically 24/7.

Istanbul is the city with the most traffic monitoring cameras in Turkey. Cameras at critical main arteries have been mounted to 20 metre poles in order to allow their efficient usage during disaster situations. With 360 degree horizontal and 130 degree vertical movement in the cameras used, a wide range of visibility is possible.

Proposed activities for the project

Data collection and implementation acts according to the meaning of that processed data.

References

Project acronym / starting date	Main objectives	Main activities	Role in the project
Open data portal	Traffic congestion counting	Processing live fed data simultaneously and seamlessly Sharing that data live with Public	Leader, owner of the Software