

New Mobility Data and Solutions

nuMIDAS, New Mobility Data and Solutions Toolkit, started at the beginning of 2021 under the Horizon 2020 programme and its is being developed by a European Consortium, composed of 9 partners from 6 countries: Belgium, Czech Republic, Greece, Italy, The Netherlands, and Spain.

nuMIDAS will:

- Recognise new and emerging mobility trends.
- Identify relevant new concepts and variables playing an increasingly important role in transport and mobility analyses.
- Review and assess a range of options for collecting and using new mobility data, by means of new data collection and management approaches, including new methods and tools to exploit these data, encompassing also Artificial Intelligence / Machine Learning techniques for dealing with Big Data.

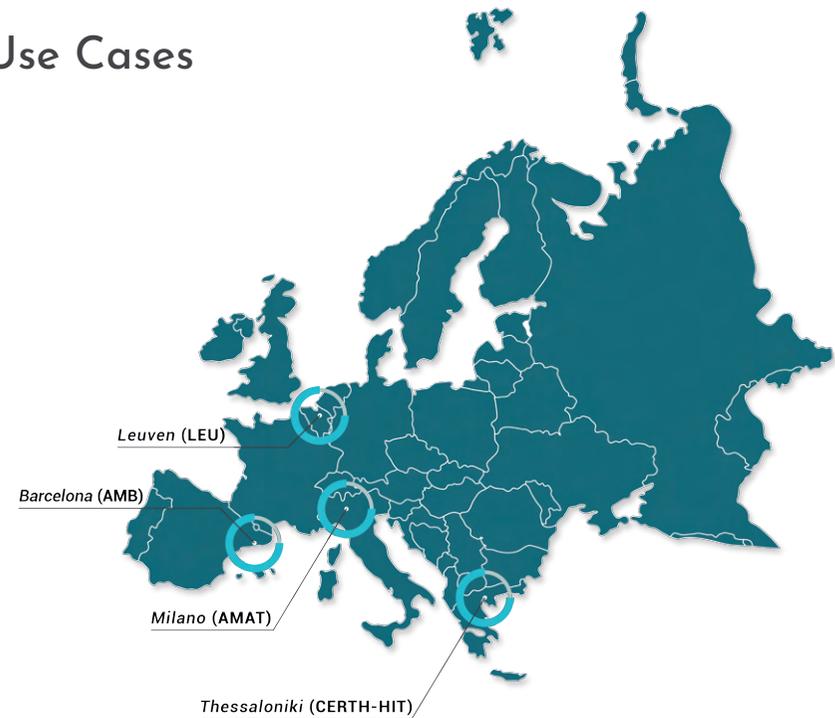
Toolkit Dashboard

Through an iterative approach, nuMIDAS has co-created with pilot cities across Europe a tangible and readily available toolkit that:

- Can be deployed elsewhere;
- Includes a set of transferability guidelines;
- Can contribute to the further adoption and exploitation of the project's results.



Use Cases



A critical expectation for this project is to be able to draw conclusions and formulate recommendations that are relevant across the whole EU, and not just for selected locations. To this end, this project builds on a distributed selection of case studies in pilot cities to provide a geographic coverage of the EU, with each pilot city an active partner in the consortium as well as being accompanied by a local core partner:

Barcelona	Milan	Leuven	Thessaloniki
<p>The city of Barcelona (AMB) in Spain, supported by Factual.</p> <p>UC3: Air quality and vehicle emissions analysis based on multi-source data.</p> <p>UC5: Assessment of inflows and outflows in a metropolitan area.</p>	<p>The municipality of Milan (AMAT) in Italy, supported by POLIEDRA.</p> <p>UC1: Pre-planning of shared mobility services.</p> <p>UC2: Operative areas analysis.</p>	<p>The city of Leuven (LEU) in Belgium, supported by TML.</p> <p>UC4: Planning for Parking.</p>	<p>The city of Thessaloniki in Greece, Supported by CERTH.</p> <p>UC6: Assessment of traffic management scenarios.</p>

Is your city ready to be at the forefront of mobility decision making?

The nuMIDAS consortium plans to continue working on the toolkit together after the project. This means that existing tools will be further developed and that the number of tools will increase. **Do you have a policy issue and (some) data, but no answer?** Then nuMIDAS can certainly do something for you! Feel free to contact us through our project coordinator Sven Maerivoet (sven.maerivoet@tmleuven.be).

Some of the main characteristics and advantages of the toolkit:

- All in one (modalities) toolkit for policy makers
- Usage for strategy development
- Data driven policy making
- Smart algorithms, AI
- Collaboration between stakeholders



New Mobility Data & Solutions Toolkit



This Project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 101007153

 nuMIDAS EU Project

 info@numidas.eu

 @numidas

 www.nuMIDAS.eu

 @H2020nuMIDAS