

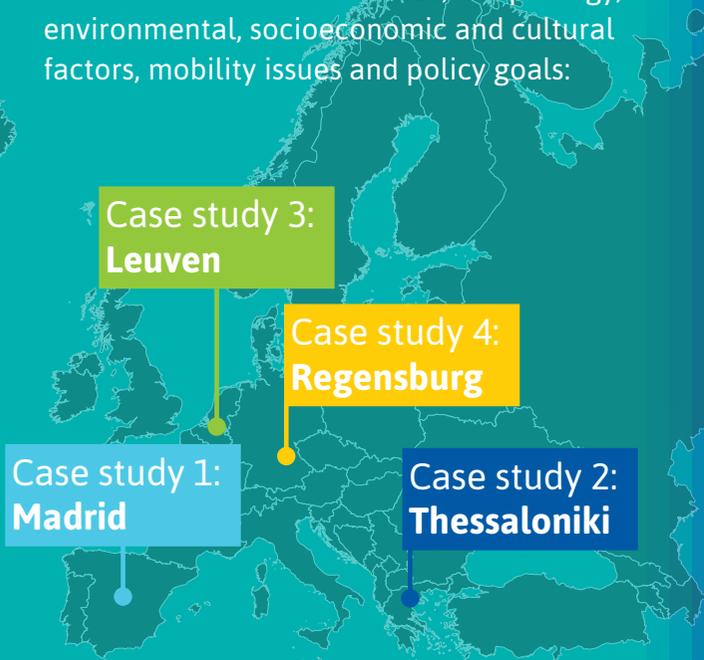
## Stakeholder Involvement

The project calls for the integration of a broad range of complementary skills:

- Transport planning
- Big data processing, machine learning and spatio-temporal data analysis
- Transport modelling
- Collaborative policy development

## Case studies

The tools developed will be tested in a set of case studies with heterogeneous characteristics in terms of size, morphology, environmental, socioeconomic and cultural factors, mobility issues and policy goals:



## More information

For further information on MOMENTUM, please visit the project website and sign up for the newsletter: [www.H2020-MOMENTUM.eu](http://www.H2020-MOMENTUM.eu)

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## The Partnership



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M O M E N T U M

Modelling Emerging  
Transport Solutions for  
Urban Mobility



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## What is MOMENTUM

Disruptive technologies and emerging mobility solutions such as MaaS (Mobility as a Service), CAVs (Connected Automated Vehicles), new shared mobility services and demand responsive transport, are bringing radical changes to urban mobility.

The goal of MOMENTUM is to develop a set of new data analysis methods, transport models and planning support tools to capture the impact of these new transport options on the urban mobility ecosystem, in order to support cities in the task of designing the right policy mix to exploit the full potential of these emerging mobility solutions.

The project started in May 2019 and will run for three years.



## The MOMENTUM approach

The acceleration of technology evolution is changing urban mobility at a much faster pace than we have seen in previous decades, leading to an increasingly uncertain future. We need data collection methods, models and decision support tools which allow us to explore alternative futures, devise new policies to guide the deployment of emerging mobility solutions, and assess conventional interventions in the light of these new modes. The proposed methodology comprises six main stages:

- **Conceptual Framework and problem definition**
- **Data collection and analysis**
- **Modelling of emerging mobility solution**
- **Simulation, impact assessment and decision support toolset**
- **Policy Assessment**
- **Guidelines and recommendations**



## Key outputs

The project aims to **deliver**:

- A set of **plausible future scenarios** for the next decade
- Characterisation of **emerging activity-travel patterns**
- **Data-driven predictive models** of the adoption and use of new mobility concepts
- **Transport simulation and planning support tools**
- A demonstration of the **potential of the newly developed methods and tools** in the pilot cities
- A **set of guidelines** for the practical use of the methods, tools and lessons learnt