

CALL FOR MASTER THESIS

Understanding social and environmental sustainability of new micromobility modes in the city. A first look at the impact of scooters, electric bikes and shared motorbikes in Barcelona.

Project framework:

This MSc thesis is offered within the [GEMOTT](#) (Grup d'Estudis en Mobilitat Transport i Territori) research group, within the UAB's Geography Department.

Research Background:

Micromobility is booming in our cities. Scooters, electric bicycles and shared motorbikes are already part of our urban landscape. These new modes of transport, however, remain severely understudied. We do not know when they are used, the profile of the users or the purpose of their trips. On a global level, we still don't know if these new modes of transport will constitute the first step towards a lighter more sustainable transportation system, or on the contrary, they will perpetuate the unsustainable and unequal patterns that has characterized most of the private modes of transportation to date. Without these knowledge, cities around the world cannot make informed decisions hampering their transition towards low-carbon and accessible forms of transport.

Objectives:

Using data from a pioneer survey conducted by GEMOTT we can for the first time begin to answer some of the basic questions regarding micromobility use, which will allow us to better understand the basic characteristics of what can become the urban mobility of the future.

Methods:

The student will use quantitative methods to organize and analyze data collected in different surveys and datasets. The student will also have to deal with GIS data regarding micromobility trips.

Technical details:

The thesis will be directed by Dr. Oriol Marquet. With the collaboration of the rest of the GEMOTT members. We expect that a revised version of the MSc Thesis will be submitted to a peer-reviewed journal for publication. Fluency in written English is required.

If you are interested on writing your MSc thesis on this topic, please contact oriol.marquet@uab.cat