

The Ele.C.Tra Transport Model

The fundamental idea behind the Ele.C.Tra. Project is to devise a transport model which has the ability to reduce congestion and air pollution resulting from privately owned vehicles. The model being developed aims at improving the quality life by promoting the concept of sustainable mobility. The Ele.C.Tra transport aims to utilize scooters to cover 1% of house-work/school daily trips which amounts to 4,700 daily trips for every 1 million of inhabitants in urban areas.

The Ele.C.Tra model will contribute to a reduction of 5% in the use of private vehicles. The project focuses on electric scooters since this technology has reached a decent technological development and because the appeal for scooters is increasing as a result of the fluctuations of fuel prices.

Moreover, Genoa, Florence and Barcelona have an elevated use of scooter when compared to other European Cities. Their modal share is between 15% and 20%. In this light these cities will demonstrate how to better administer and regularize the use of scooters in a city.

Subsequently the aims to increase the use of electric scooters in cities through short renting or sharing while meeting the 2020 energy goals.



An exhibition of electric scooters in Genoa during a technical meeting of the Ele.C.Tra project

Transport Model Planning

The Ele.C.Tra project is developing and testing its own innovative transport model which aims at providing transport solutions to citizens for their daily commuting which may not be fulfilled by the public transport system. Within this context the project partnership will conduct 3 pilot actions as part of work package 5 (Implementation). These pilot projects will be realized in Genoa, Florence and Barcelona which feature similar transport characteristics and elevated use of scooters.

The model in question is being developed so as to be scalable and transferable to cities featuring similar transport scenarios. The transport system being piloted will included a 90 electric scooters and full start-up model including signs, parking system, user's services and facilities.



Traffic Congestion in an arterial Aldo Moro Road in Malta

The involvement of non-pilot in the model planning will be valuable to give feedback about the non-pilot issues in implementing the model in the future.

MOBILITY MANAGEMENT OFFICES

The term 'Area Mobility Management Offices' will consist of a physical and virtual location where all the data will be managed for the users. The mobility management offices will manage geographical locations and status of the charging points. These offices will enable the scooter sharing systems, manage opportunities and they will represent the meeting points for warnings or suggestions.

The non-pilot cities will bring experiences related with a specific context that can help overcome the day to day challenges.

These Offices will manage the main elements for mapping resources in the project cities, based on previous analysis.

Office organizations will define the functions, activities and equipment required for the Area Mobility Management Offices. They will also serve to identify and supply the human resources required for this action. The organization planning will be validated by public bodies involved.

ROAD EQUIPMENT

Equipment characteristics will be identified so as to define the main road equipment characteristics for those project cities suitable for scooter sharing users or sustainable transports. This action will include road signs, paths, parking signs, charging point for e-scooter, eventual info-mobility points.



Ele.C.Tra – Electric City Transport, Local Event Wednesday 23rd July 2014

The National Support Group in Malta

The National Support Group took place on the 12th of August 2014 at Europe House in Valletta. The NSG was composed of the main stakeholders of the transport scenario in Malta.

Present to the NSG were: Ms. Lili Vasileva from the Local Council Authority, Ms. Sara Hazzard from the EC Representative in Malta, Ms. Gabriella Cassola from the Ministry for Transport and Infrastructure and Mr. Alex Borg from the ITS-Malta.

MIEMA presented the point of views of the ELE.C.TRA project as a change in attitude and the empowerment of the findings from the project as a key to the implementation of electric transport in Malta. Also, Ms. Gassola mentioned how the DemoEV project which the Ministry for Transport and Infrastructure is compiling aims at understanding the people's perception of electric vehicles by handing the electric cars to the people and see what they think.



National Support Group took place on the 12th of August 2014 in Europe House in Valletta.

Mr Alex Borg mentioned how the NSG may be extended to the event which will take place on Thursday the 9th of October at the Intercontinental Hotel. This event is going to be organized by ITS Malta and it is going to deal with the management of transport were this meeting will be characterized by a practitioner forum in aim to support networking.