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Project co-financed by the European
Regional Development Fund

#1 Newsletter

REgenerating mixed-use MED urban communities congested by traffic through Innovative low carbon mobility sOLutions

One of the territorial challenges for middle sized cities and towns in the Mediterranean area is traffic congestion; REMEDIO focuses on high density areas surrounding the city centres with commercial and directional roads often suffering from traffic jam to the point of becoming wounds in the connectivity of the wide spread city and elements of additional economic crisis and even social exclusion.

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The project aims at fostering the use of available low carbon transport systems and solutions through the testing of an operational path in the governance and management of high congested roads, a common issue for many middle-sized Mediterranean cities lacking of proper orbital roads or bypasses.

REMEDIO IS A TESTING PROJECT DEVELOPED IN 3 STEPS

1. Territorial partners implement
soft actions on low carbon

2. Scientific partners jointly
implement an Integrated

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	<p>Loures, Bike sharing Network in Spit and Treviso; bicycle parking areas in Loures, second generation bus lane in Thessaloniki).</p>	<p>performance in terms of energy and freight transport efficiency, noise impact, air pollution, cost & health effects.</p>
	<p>3. The city communities are engaged in testing an operational path towards participatory governance such as “horizontal condominiums” or “road contracts” that should lead to higher environmental and mobility performances.</p>	

PROJECT PARTNERS



ACTIVITIES

REMEDIIO participated in environmental awareness activities

European Mobility Week

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Loures Municipality, Instituto Superior Técnico and Metropolitan Development Agency of Thessaloniki (MDTA) participated in several initiatives under the European Mobility Week in Loures (Portugal) and Thessaloniki (Greece), respectively.

In Loures, two stands were built and placed in Moscavide: one related with REMEDIO project where the partners placed the official poster, distributed flyers, questionnaires and invited children to play a game about sustainability; another stand was occupied by the company BeElectric (<https://beelectric.pt/>).

In the first day, the main objective was to inform the citizens about the on-line questionnaire that will ask for their views about the REMEDIO pilot axis, its problems and rank possible solutions. In the second day, Mr Kalogirou C. (CEO of Metropolitan Development Agency of Thessaloniki) presented the REMEDIO project and its interventions in Thessaloniki. Plus, several volunteers were present with tablets assisting the general public that lives, work or moving through the axis to fill the questionnaire. Moreover, leaflets of the project were present in the stand both days, in order to inform the public about "REMEDIO project".

15-24 September, 2017, Loures and Thessaloniki, Portugal and Greece

Sustentabilis

REMEDIO was associated with ClimACT and LIFE Index-Air project in an event organized by Olivais Parish, named Sustentabilis. In this event the ClimACT project, in collaboration with LIFE Index-Air and REMEDIO projects, developed educational activities related to environment, sustainability and mobility, that were experienced by more than 200 students. The event was open to all Olivais inhabitants. The Secretary of State for the Environment and the Olivais Parish Council President appreciated the work developed during the fair.

May 25, 2017, Lisbon, Portugal

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Loures InSS

REMEDIIO was associated with ClimACT and LIFE Index-Air project in an event organized by Loures Municipality, named Loures InSS. In this event several educational activities related to environment, sustainability and mobility were carried out and experienced by more than 200 students. The event was open to all general population and accounted with around 1000 participants.

June 2-5, 2017, Loures, Portugal

MEET THE TEAM



MARINA ALMEIDA-SILVA



Marina received the Environmental Health degree from ESTeSL in 2010, having won the Caixa Geral de Depósitos award as the best student of the course for that year. In 2016, Marina received the Ph.D. degree in Environmental Sciences by TUDelft. She is

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From 2010 until now, her main concern has been the mitigation of elderly exposure to air pollutants and the potentiation of their quality of life. She has been develop consistent R&D activities on the topics of susceptible population exposure to air pollutants, human health impacts to air pollutants, indoor and atmospheric air quality assessment and source apportionment. More recently, the researcher has focused her attention on sustainable mobility issues and environmental fleet impacts.

RICARDO CHARCATEGUI

Ricardo Chacartegui is professor at the Energy Engineering of the University of Seville, Spain. Over the last 19 years, he has dedicated his research to thermal energy systems: analysis, development, design and optimization always focused on sustainability.

At the moment, his research line linked to REMEDI0 project looks for identifying the energy and noise effects of soft mobility actions on traffic. It implies to identify the effect of different transport technologies, operation point of engines, vehicle's age, and the effect of alternative transport modes, etc. On this purpose within Remedio's project his group is developing a friendly simulation tool to be used by non-traffic experts, capable of accurate predictions of the effect of different traffic strategies and policies. It is focused on the long linear roads in which REMEDI0's project is oriented.



"Sustainable transport is a major challenge for our cities. Mobility needs are continuously increased and cities become more complex entities. The design of transport network constrains cities evolution and design with a huge amount of the urban area dedicated to transport. At the same time traffic, in combination with heating in cold climates, is the major contributor to air contamination in cities. Rational and sustainable design of urban mobility is the great challenge for sustainable cities. In this sense friendly advanced tools for policy analysis and actions, designed to be used by non-traffic expert technicians, as there are usually in municipalities, are required for a continuous analysis and supervision of sustainable urban mobility plants, allowing their continuous dynamic supervision and revision.

The studies and solutions analyzed within Remedio will allow a better understanding of soft mobility actions in the Mediterranean cities under study and will provide to the municipalities new tools for their

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Ricardo Charcategui

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