

GO SUMP

Improving Sustainable Urban Mobility Plans & Measures in the Med

Kick-Off & Steering Committee Meeting

Malaga, 3-5 April 2017

REMEDIIO

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

Venue: Urban Environmental Observatory (OMAU), Malaga City Council



Project co-financed by the European
Regional Development Fund

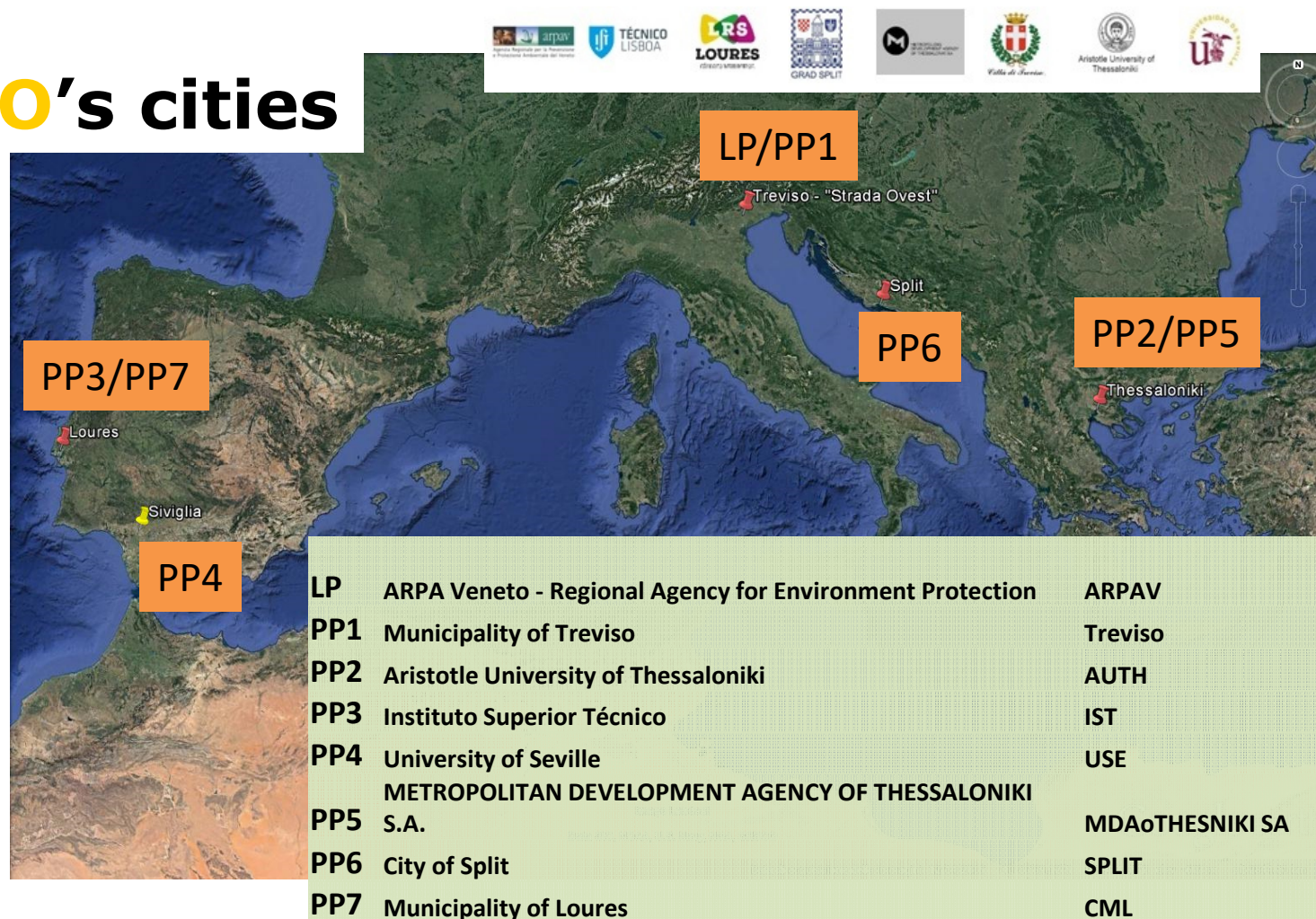


Ayuntamiento de Málaga



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

REMEDIO's cities



Who we are

Territorial partners

- ✓ Municipality of Treviso
- ✓ Metropolitan Development Agency of Thessaloniki
- ✓ City of Split
- ✓ Municipality of Loures

Scientific Institutions

- ✓ Environmental Agency of Veneto Region
- ✓ Aristotle University of Thessaloniki
- ✓ Instituto Superior Técnico of Lisbon
- ✓ University of Seville

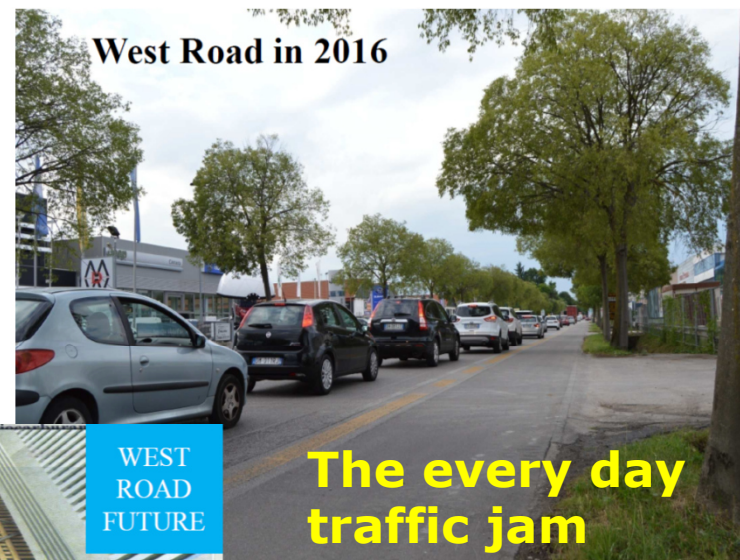
Associated Partners:

- ✓ Municipality of Villorba (IT), Seville (SP), Thessaloniki (GR), Kalamara (GR), Pavlos Melas (GR)
- ✓ Metropolitan City of Venice, County of Split-Dalmatia, Province of Treviso
- ✓ Veneto Region
- ✓ Association of Artisans Marca Trevigiana
- ✓ Thessaloniki Public Transport Authority
- ✓ Loures water and waste services
- ✓ Climate Alliance

Our strengths

Reaching & **engaging local strategic decision makers** & policy makers in order to commit them towards an effective introduction of **Sustainable Mobility Solutions** in the **territory**.

Challenges tackled by REMEDIO



Challenges tackled by REMEDIO

The contest

Mediterranean middle sized cities and towns

lack of urban planning, lack of proper orbital roads or bypasses

The challenges

high density areas

roads suffering from traffic jam

wounds in the connectivity of the wide spread city

economic crisis and **social exclusion**

The impacts we want to lower

Poor quality of life and of the environment

**High fossil fuel consumption, noise and air pollution,
health effects, costs**

REMEDIO's testing approach in 3 steps

1. Territorial partners implement **soft actions** on low carbon mobility solutions (i.e. **SUMP** in **Treviso**, **Split** and **Loures**, **Bike sharing Network** in **Spit** and **Treviso**; **bicycle parking areas** in **Loures**, **bus rapid transit**, **multi modal public transport optimizations**, **green-taxiway**, **safety road infrastructure for bus stops** in **Thessaloniki**).

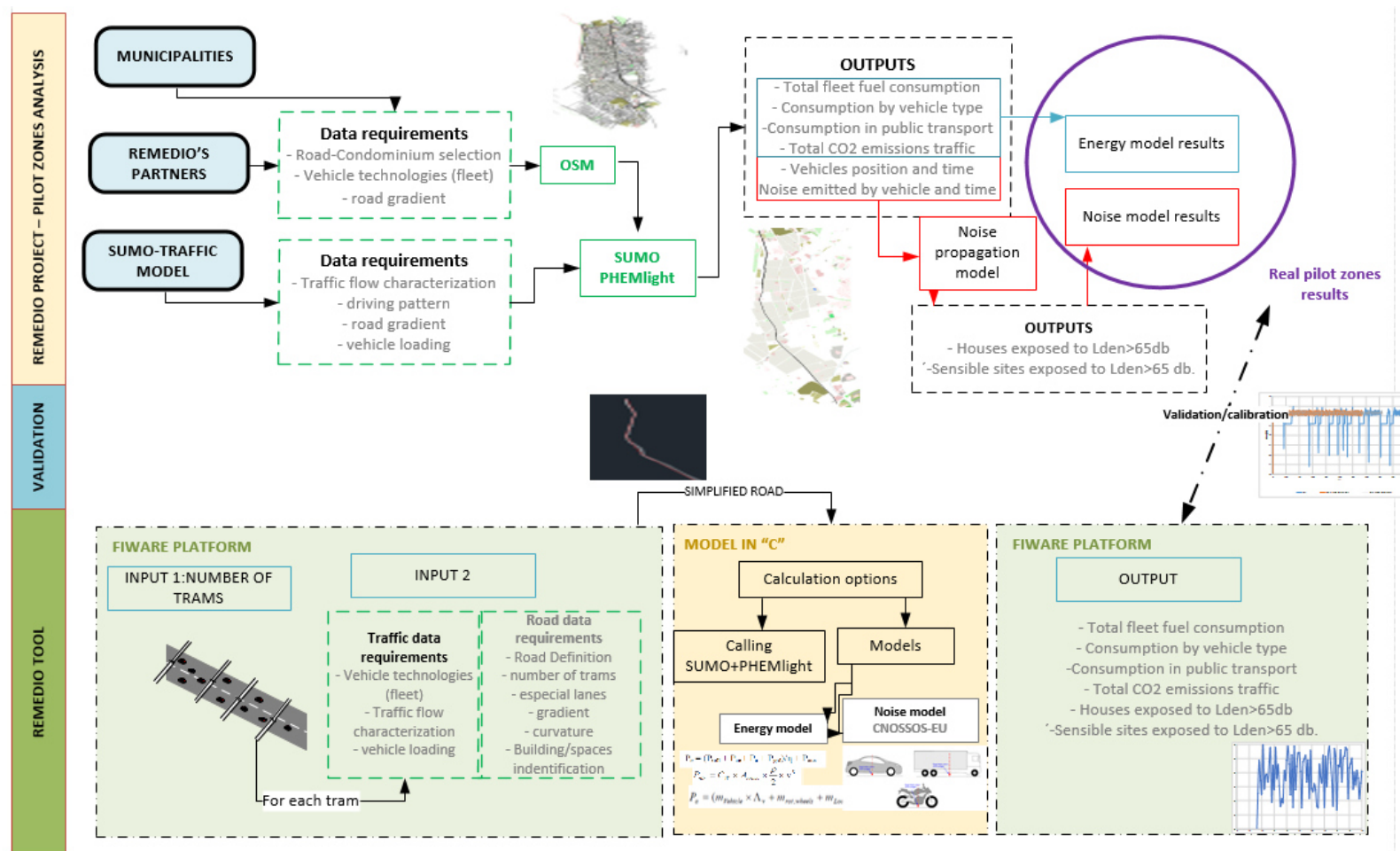
2. Scientific partners jointly implement an **Integrated Modelling Tool** [**energy transport efficiency**, **noise impact**, **air pollution emissions & carbon footprint**, **air pollution dispersion & freight streamlining module**, **cost & health effects**]

which is used to simulate the pilot activities in the cities, resulting in a set of **scenarios** on their **present** and **future** mobility and environmental settings.

3. The city communities are engaged in testing an operational path towards a **participatory governance** such as **"horizontal condominiums"** or **"road contracts"** that will lead to higher environmental and mobility performances.

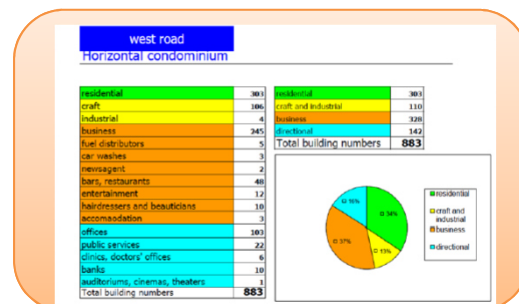
Simulation of low carbon mobility solutions in the pilot areas

Conceptual modelling process



Start-up of a participatory governance entity

The “condominium” concept or “road contract”



Analysis

Breaking down the road into districts
(the floors of the condominium)



REMEDIO's double transferring activities

1. Participatory governance for urban mobility solutions

Targeted assemblies at local level among
policy makers, technical experts and partners

Local agreements/protocols/MoUs for **low carbon mobility solutions**
to alleviate in a cost effective way the traffic congested roads

2. Transferring knowledge to build up the transferability plan of REMEDIO

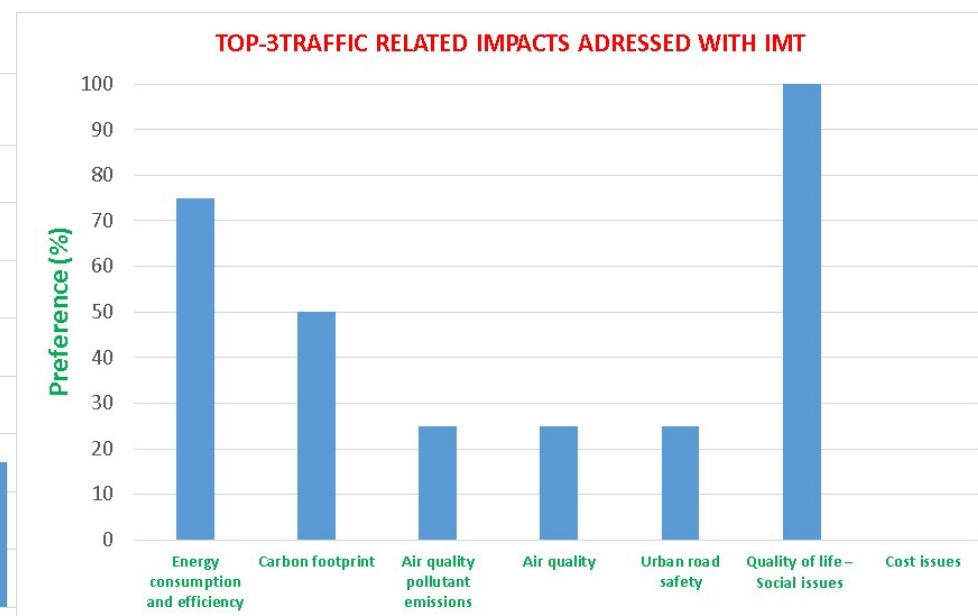
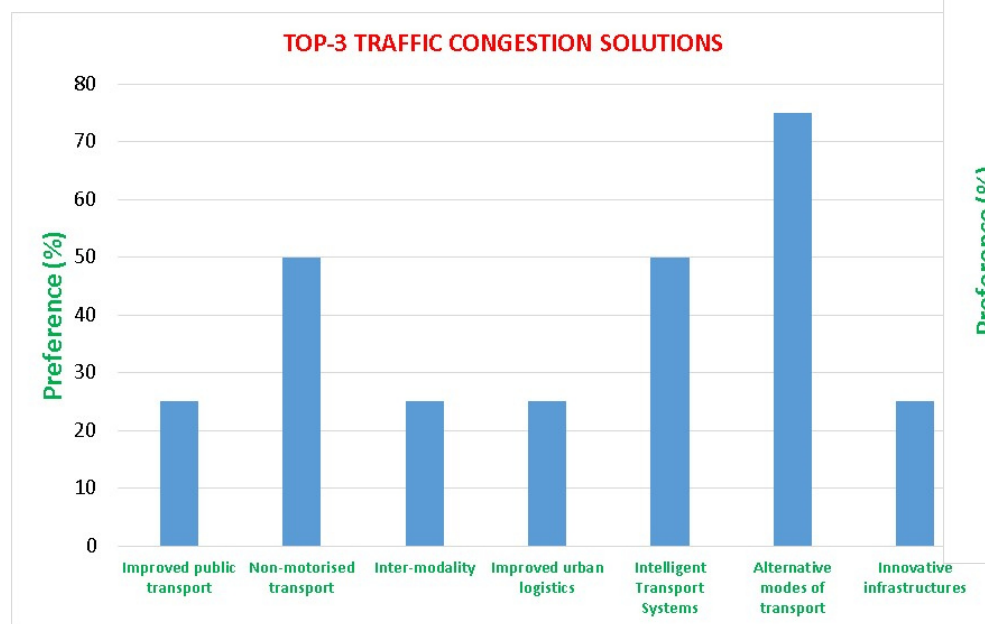
Tailored **encounters seminars** and **workshops**
with the **invited participation** of **CATMED cities technicians**
Capacity building for developing REMEDIO tools and activities

4 planned events

**(Seville: May 2017 – Split: November 2017
Thessaloniki: May 2018 - Treviso: March 2019)**

Transferability Events Topics

Outcome of a survey among REMEDIO partners



REMEDIIO Target Groups / End Users

Type of Audience Targeted:

- ✓ Territorial authorities
- ✓ Policy makers
- ✓ Transport authorities
- ✓ Transport associations
- ✓ Commercial associations
- ✓ Scientific experts
- ✓ Students
- ✓ Commuters
- ✓ Children and family
- ✓ Public

Level of Audience Targeted:

- ✓ Urban (wider district)
- ✓ Regional
- ✓ National
- ✓ MED
- ✓ EU (*by Horizontal Project and MED Programme*)

REMEDIIO's Transferability Plan

- It will support the potential of the project outcomes to be utilized by authorities and stakeholders **of other MED and EU urban areas** facing the adverse impacts of traffic congestion.

Main Components:

- A. List of Target Groups/End Users
- B. Transferability Activities
- C. Tools/Methods to be Transferred (Description)
- D. Lessons Learnt for Best Practice Use
- E. Framework of REMEDIIO Outputs Use after its End

REMEDIO Multilevel Communication Strategy

➤ Networking at

- **local Scale** (3 levels: 1. **Political and governance**; 2. **economic**; 3. **social**)
- **transnational level** (relevant European **platforms** fostering **low carbon mobility solutions** at urban scale and energy efficiency)
- **Educational activities and environmental awareness empower** (towards a **less carbon footprint lifestyle**)
- **REMEDIO Communication activities to general public**
- **REMEDIO Experiences**
 - **for COM&CAP events of Horizontal Projects**
 - **for Programme Communication activities**



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Synergies

Keywords: energy efficiency, climate adaptation, Smart cities

Thematic networking of cities

- **CAT-MED** project – platform about **climate risks** promoting a **sustainable, compact and multi-functional urban model** <http://www.catmed.eu/> with its capitalization project **URBAN EMPATHY** <http://www.urbanempathy.eu/>
- **Sustainable Energy Action Plans (SEAP)** initiative within the Covenant of Mayors http://www.covenantofmayors.eu/actions/sustainable-energy-action-plans_en.html
- **RESILIENT CITIES** a wide world initiative for more resilient cities to the physical, social and economic challenges of the 21st century <http://www.100resilientcities.org/>

Tools and methodologies

- **The FIWARE platform** providing set of APIs (Application Programming Interfaces) for the development of Smart Applications in multiple vertical sectors. <https://www.fiware.org/>

Keywords: Air pollution, Health effect, policies

On-going thematic projects with the participation of REMEDIO partners:

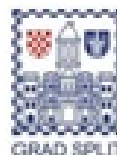
- **LIFE Index-Air** for the development of an Integrated Exposure – Dose Management Tool for Reduction of Particulate Matter in Air (LIFE15 ENV/PT/000674) - **Leader IST, Lisbon**
http://ec.europa.eu/environment/life/project/Projects/index.cfm?fuseaction=se arch.dspPage&n_proj_id=5922
- **LIFE PREPAIR "Po Regions Engaged to Policies of AIR – PP ARPAV, Padova** <http://ambiente.regione.emilia-romagna.it/aria-rumore-elettrosmog/temi/pair2020/per-approfondire-pair/progetto-life15-ipe-it-013-prepair-201cpo-regions-engaged-to-policies-of-air/view>
- **ClimACT** (Interred SUDOE programme)- **Leader IST, Lisbon** collaboration in transport module and in awareness campaigns related to sustainability.
- **CAMS** providing a wide service on European air quality analyses and forecasts at European scale <https://atmosphere.copernicus.eu/>

**Keywords: urban planning, urban logistic,
alternative mobility, modal shift,
harbours, ICT, Adriatic**

Closed thematic projects with the cooperation of REMEDIO territories:

- **DOROTHY** with an Joint Action Plan for urban logistics
<http://www.clusterdorothy.com/> - **Lisbon**
- **SUSREG** empowering sustainable urban planning with procedures for the involvement of stakeholders <http://susreg.eu/> - **Province of Treviso**
- **LIFE+ P.E.R.T.H.** for alternative mobility and modal shift (car-bike, car-bus)
<http://www.perht-lifeplus.org/it/home.aspx> - **municipality of Treviso**
- **MED APICE** and **CAIMANs** on air quality issues in harbour urban environments – **Thessaloniki (Venice)**
- **MACC –II –III** on monitoring atmospheric composition & climate
<http://www.gmes-atmosphere.eu/> **Thessaloniki**
- Pitagora on **The usage of ICT services among Public Authorities and SMEs in the Adriatic area** <http://dunea.hr/en/our-projects/211-pitagora-project> **City of Split**
- **EX.PO AUS** **EX**Extension of **P**otentiality of **A**driatic **U**NESCO **S**ites
<http://www.expoaus.org/> **City of Split**

This presentation is the outcome of a cooperation among all REMEDIO partners



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