

Community Building Event

17th April 2018 UNIMED - Palazzo Baleani Rome, Italy

Session 1: Low Carbon Transport Modes / Services

Integrated Modeling Tool of REMEDIO

Technical Partners: University of Seville, Aristotle University of Thessaloniki,

Instituto Superior Técnico, ARPA Veneto - Regional Agency for Environment Protection in Veneto Region









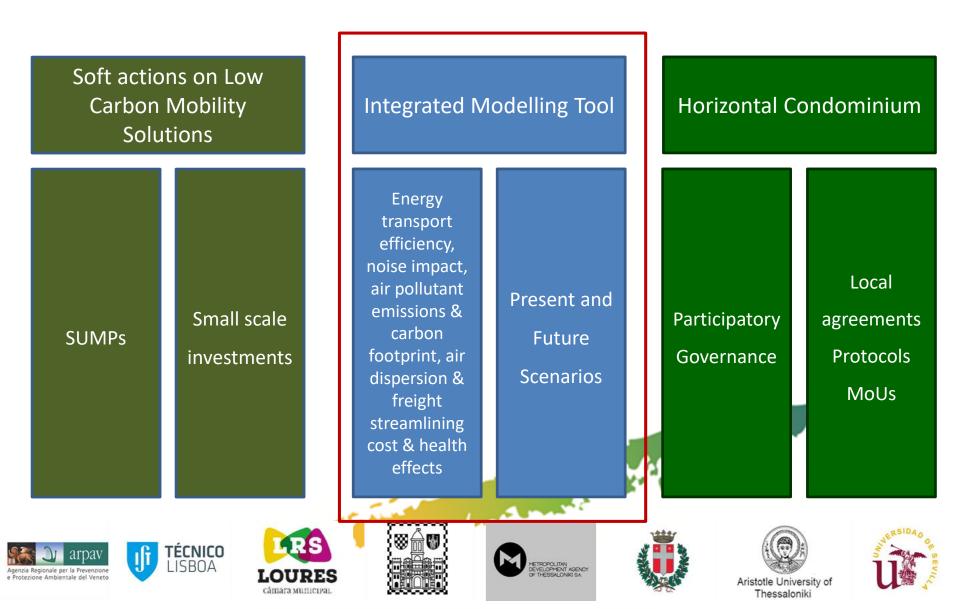








REMEDIO Main Actions

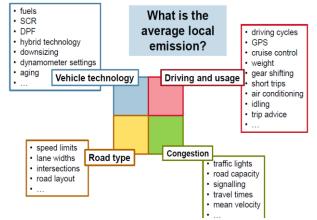




Integrated Modelling Tool (IMT)

Customized modelling tool to evaluate the transport, energy and environmental-related performance of low-carbon actions to be implemented.

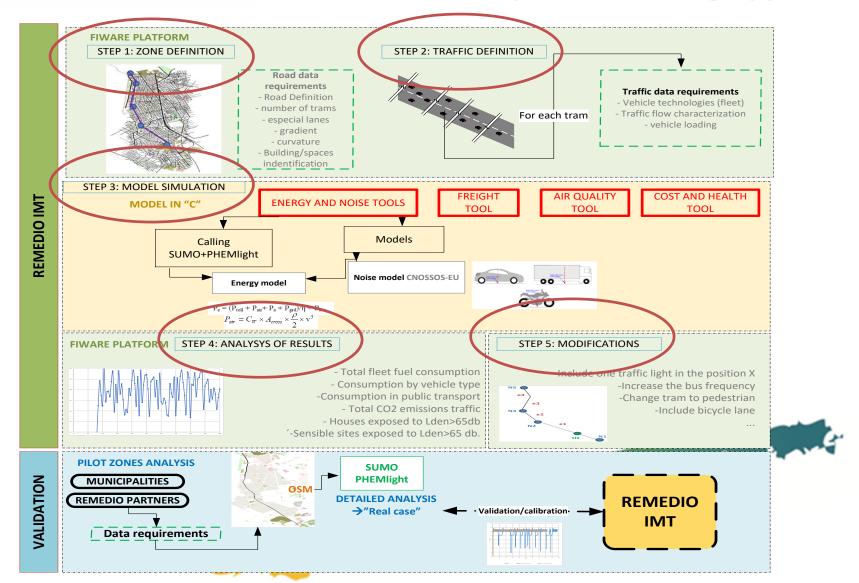
- At local street level
- Includes models for tailpipe emissions, carbon footprint, dispersion, energy, noise, freight, cost and health
- Validated in selected roads participant regions (Treviso) and the states of the case of
- Structure based on FIWARE platform

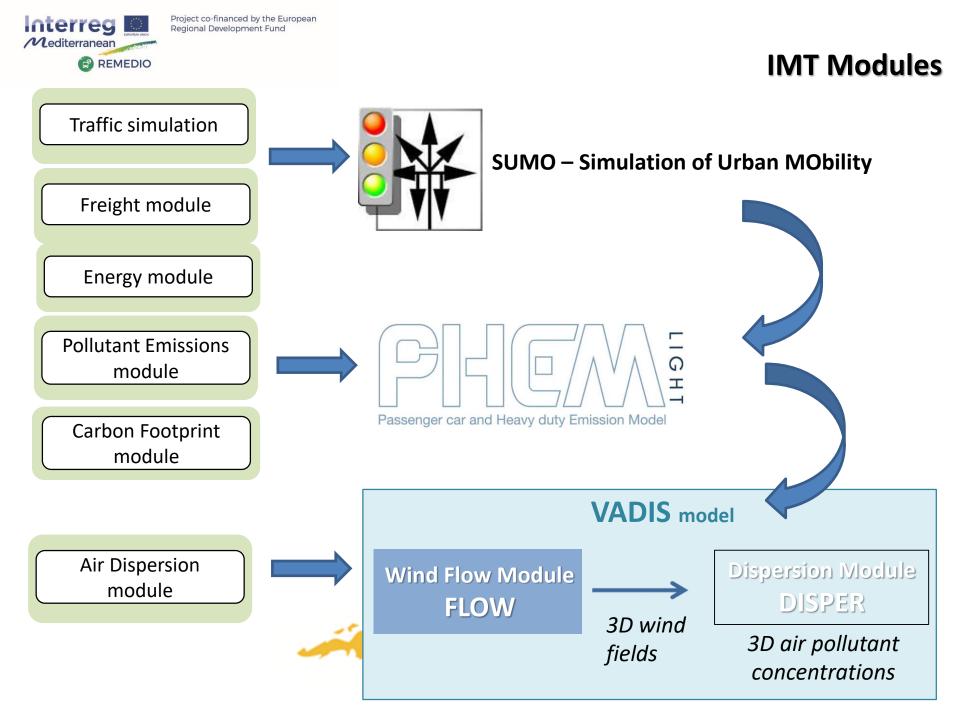


THE COMPLETE PICTURE



Conceptual Modelling Approach

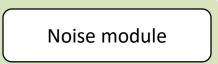






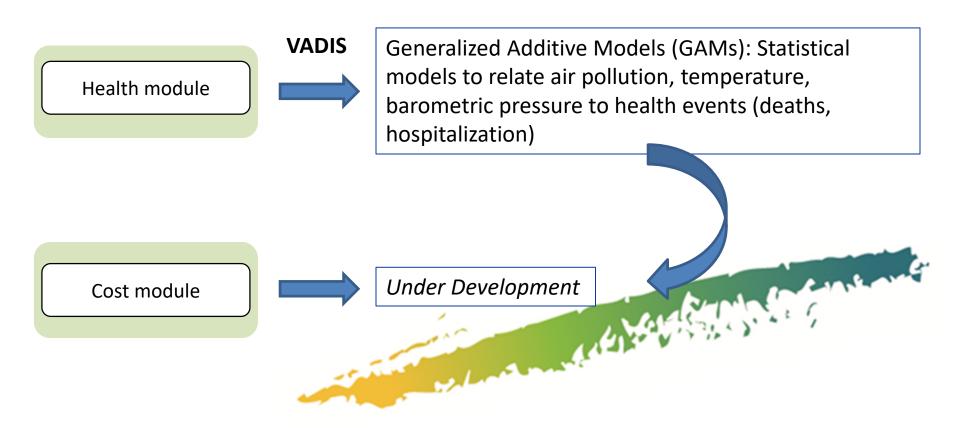
IMT Modules





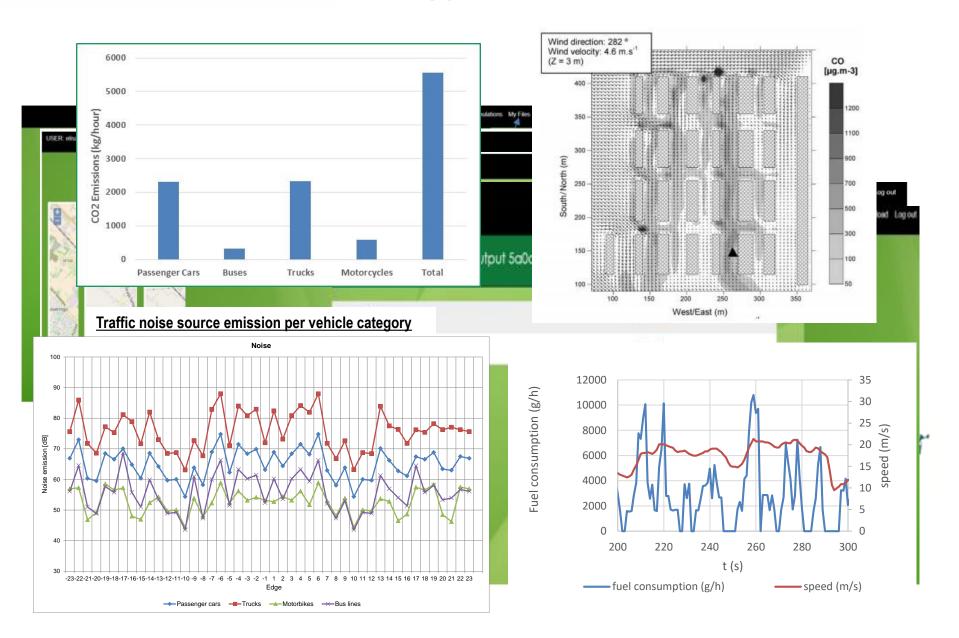


CNOSSOS-EU: Common Noise Assessment Methods in Europe





Application of IMT- Results Presentation



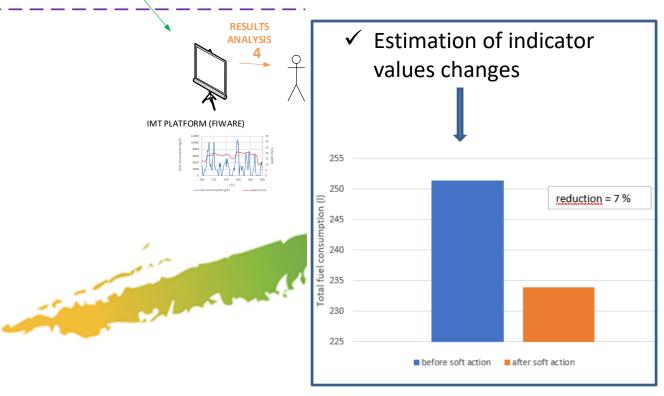
Interreg **Regional Development Fund** Mediterranean **Application of IMT – Mobility Scenarios Building and** REMEDIO Assessment MODULE DEVELOPER LEVEL MODULES DEVELOPED IN LINUX TO **BE INTEGRATED IN THE PLATFORM** Health module Steps 1 to 4 for: \checkmark Cost module

MODULES RESULTS

3



Traffic conditions after mobility actions.



SUMO TRAFFIC MODEL RESULTS

AVAILABLE FOR MODUDE **DEVELOPERS IN .xml FILE**

Traffic Definition 2 with SUMO

DATA INPUT

IMT USER LEVEL

1

IMT PLATFORM (FIWARE)

Project co-financed by the European

Energy module

Noise module

Emissions module

Freight module

Pollutants dispersion module

Carbon foot print module



By all REMEDIO partners





ARPA Veneto

Instituto Superior Tecnico

câmara Municipa

Municipality

of Loures



City of Split



Metropolitan Development Agency of Thessaloniki S.A



Municipality of Treviso



of Thessaloniki



S. C. Markense

University of Seville

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remedio.interreg-med.eu/



remedio-med@ctn.tecnico.ulisboa.pt