

29th May 2017

University of Malta (Valletta Campus)

Towards a Zero Carbon Economy Beyond 2030

Sustainable Urban Centres

Eloísa Macedo



Cooperative Information platform for low carbon and sustainable mobility

CISMOB promotes innovative ways of reducing carbon footprint and increasing the sustainability of urban areas through efficient use of urban transport infrastructure with the help of information and communication technologies (ICT).

Project Partners

University of Aveiro (PT)

Municipality of Águeda (PT)

Extremadura Energy Agency (ES)

Bucharest Metropolitan Transport Authority (RO)

Intelligent Transport Systems Romania – ITS Romania (RO)

Stockholm University (SE)



Cooperative Information platform for low carbon and sustainable mobility

Problem Statement

- ❖ Traffic congestion: costs Europe about 1% of GDP
- ❖ Air pollution: costs to society ~ 2% of the GDP
- ❖ External costs of noise (e.g. annoyance, health damage) > 0,35% of its GDP
- ❖ More than 2/3 of transport-related GHG are from road transport
- ❖ Emissions from vehicles are a main source of air pollution for human exposure
- ❖ Liquid hydrocarbon fuels are expected to remain predominant over the next decades

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Opportunity: ICT applications



Monitor

Gathering/presenting information on traffic state

Measure and visualize vehicle usage more clearly



Evaluate

Environmental impacts in real time
Vulnerable zones

Congestion / Pollution hotspots
Visualize the environmental effects of travel in real time



Inform

Promote cycling by providing access to navigation apps
Multimodal online intercity trip information;

Eco-Travel planners for different road users



Manage

IT support for traffic manage
Dynamic road pricing

Smart Variable message signals
Smart traffic lights

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Interregional Cooperation

PHASE 1

1st April 2016
31st March 2018

Share experience
Set up - Stakeholder group
Participate - Policy Learning Platforms
Action plan

PHASE 2

1st April 2018
31st March 2020

Monitor progress of the implementation

Pilot actions may be supported

Driving Policy Change

Exchange of Experience Events

Thematic seminars
Building capacity workshops
Staff Exchange meetings
Local Stakeholder meetings

Technical Documents

Baseline Assessment Report
Technical papers
AGENDA entitled "ICT towards low carbon and sustainable mobility a multiscale perspective"
Action plans ⇒ Policy changes

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Policy Instruments



THANK YOU!

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<http://www.interregeurope.eu/cismob/>

UPCOMING EVENT 9-10 October 2017

Bucharest - Intelligent transport systems towards a low carbon mobility (ITS Romania)

