



**CISMOB**  
Interreg Europe



European Union  
European Regional  
Development Fund

**CISMOB**

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universidade  
de aveiro

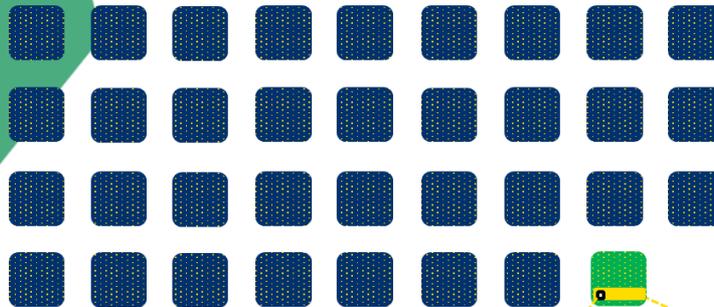
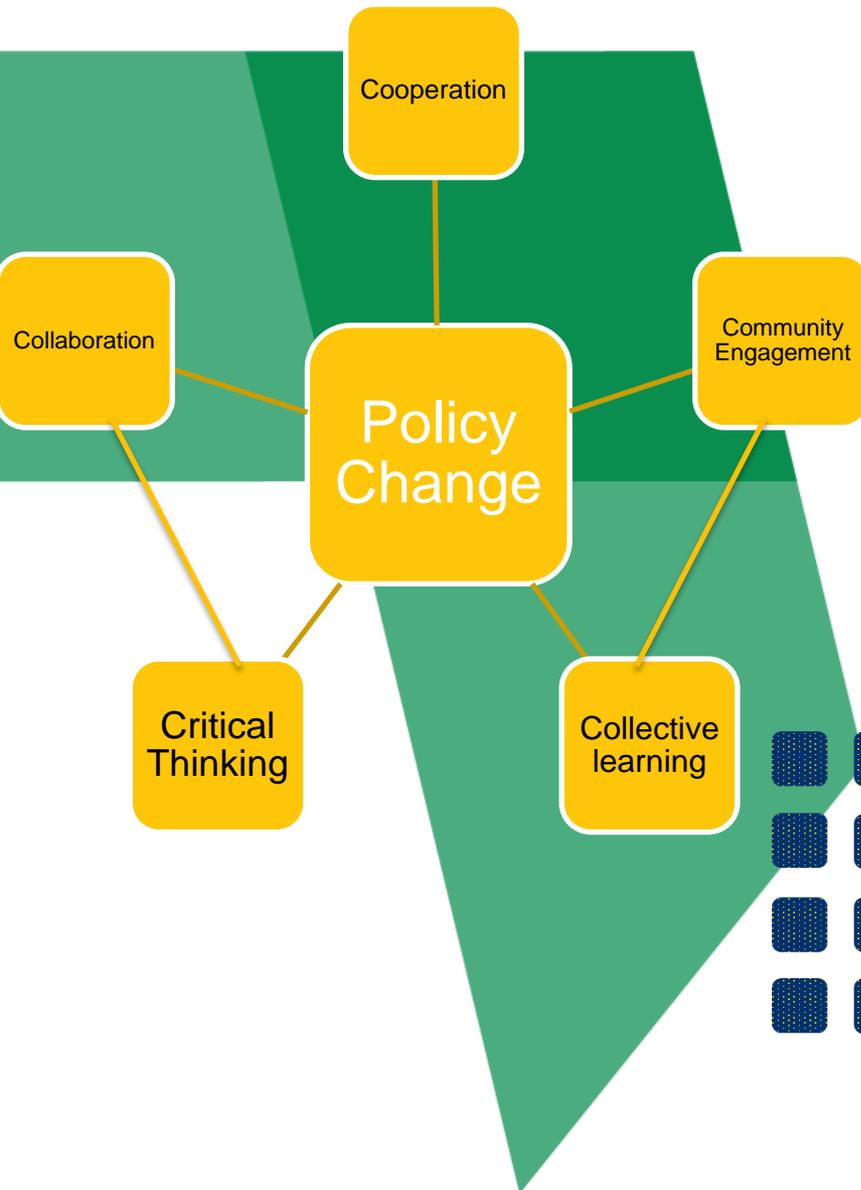
# Outline

- **What is Interreg Europe?**
- **General statement of the problem**
- **CISMOB Vision**
- **Interregional Cooperation – What have we learned from each other?**
- **Next Steps**
- **Final remarks**

# What is Interreg Europe?

European program to help regional and local governments to develop and deliver better policy.

To ensure that government investment, and implementation efforts => **integrated and sustainable impact for people and place.**



CISMOb  
Interreg Europe

1.04m

**Goal 1:**  
Investment for growth & jobs  
**EUR 340 billion**

**Goal 2:**  
European Territorial Cooperation  
**EUR 10.2 billion**

**INTERREG EUROPE**  
**EUR 359 m**

# Interregional cooperation

## PHASE 1

3 BC Workshops

3  
Thematic Conferences

12 Staff Exchanges

PATH 2

12 Regional  
*Stakeholder*  
group meetings

Good practices data  
base

Baseline assessment  
report

A

PATH 1

B

April 2016

**Learning**

March 2018

9 Technical papers

AGENDA ICT on Transport

## PHASE 2

April 2018

March 2020

# CISMOB international events



**Smart cities:  
How Intelligent  
is transport?**

**Stockholm  
SEP 2016**

**Explore targeted  
policy strategies  
to support the  
use of ICT and  
e-mobility**

**Extremadura  
MAR 2017**

**Intelligent  
transport  
systems  
towards a low  
carbon mobility**

**Bucharest  
OCT 2017**

**ICT, soft and  
connected  
mobility  
From science to  
policy and from  
policy to real  
world**

**Centro  
MAR 2018**

# General statement of the problem

Traffic-related externalities:  
Air pollution  
Noise  
Accidents

Car pollution, noise and accidents 'cost every EU citizen £600 a year' **670 EUR**

Researchers challenge view that drivers are overtaxed, saying they are subsidised by other taxpayers



Environment

Air pollution in areas of heavy traffic shortens life expectancy

Survey of 25 European cities finds air pollution costs \$43bn and an average of two years of life in Bucharest

38,000 people a year die early because of diesel emissions testing failures

Global inventory of nitrogen oxide emissions shows highly polluting diesel cars are 'urgent public health issue'



The Guardian  
International edition

# General statement of the problem

Traffic-related externalities:  
Green house gases

Arctic warming: scientists alarmed by 'crazy' temperature rises

Record warmth in the Arctic this month could yet prove to be a freak occurrence, but experts warn the warming event is unprecedented



CO2 emissions from average UK new car rise for first time since 2000

Climate change targets may be missed as consumers buy bigger cars and turn away from diesel



Biofuels needed but some more polluting than fossil fuels, report warns

Royal Academy of Engineering report backs increased use of biofuels but says more should come from waste rather than food crops



# General statement of the problem

Country	CO2	NMVOC	NOX	PM 2.5		
				highway	rural	urban
Portugal	90	1048	1957	18371	49095	196335
Romania		1796	22893	56405	84380	231620
Spain		1135	4964	14429	48012	195252
Sweden		974	5247	14578	50210	197450

Table 1. Damage costs of main pollutants from transport, in € per tonne [3].

Congestion + ~ 1%  
Noise + ~0,5 %  
+ Safety ...

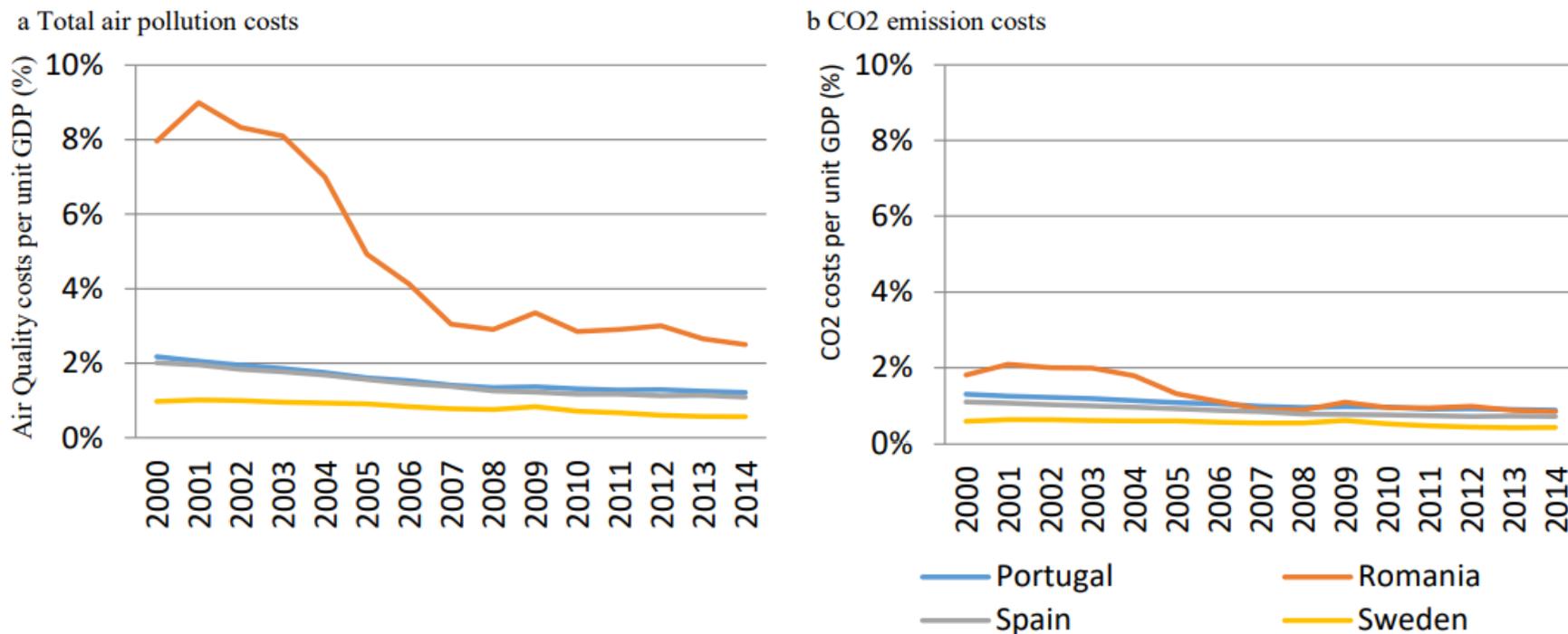
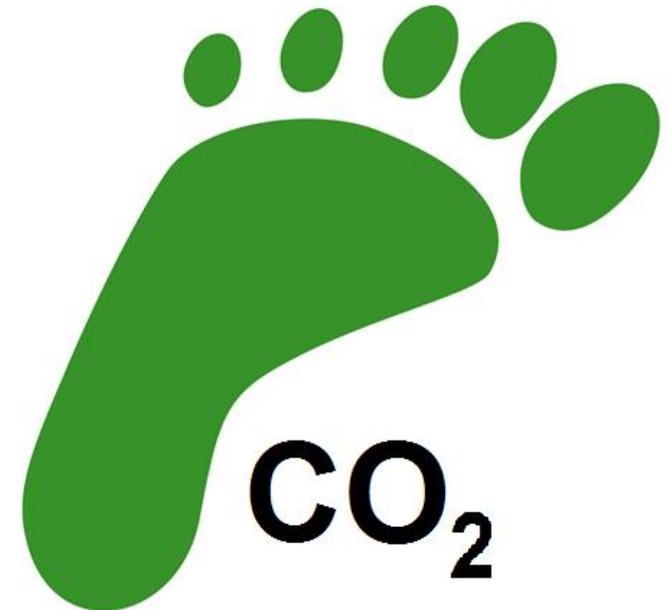


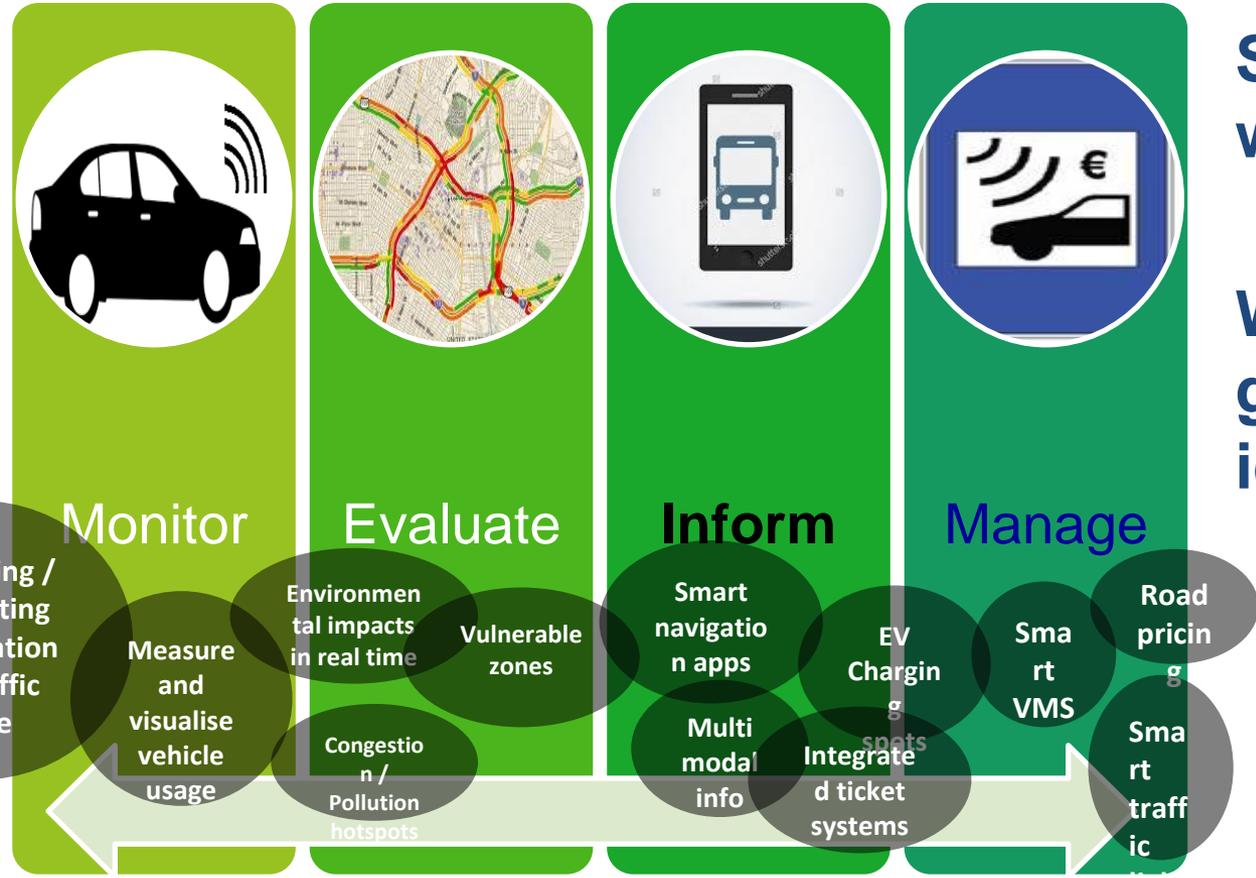
Fig. 7. Air quality costs per unit GDP (a) and CO2 costs per unit GDP (b) for Portugal, Romania, Spain and Sweden.

# Main vision

To improve the efficiency in the use of urban transport networks based on ICT.



# Opportunity: ICT applications



So, what have we learned?

What are the good practices identified?

# Learning with good practices

Monitor  
(Inform)

Connected  
bikes



# Learning with good practices

Inform  
(monitor)

Open data  
Platforms:

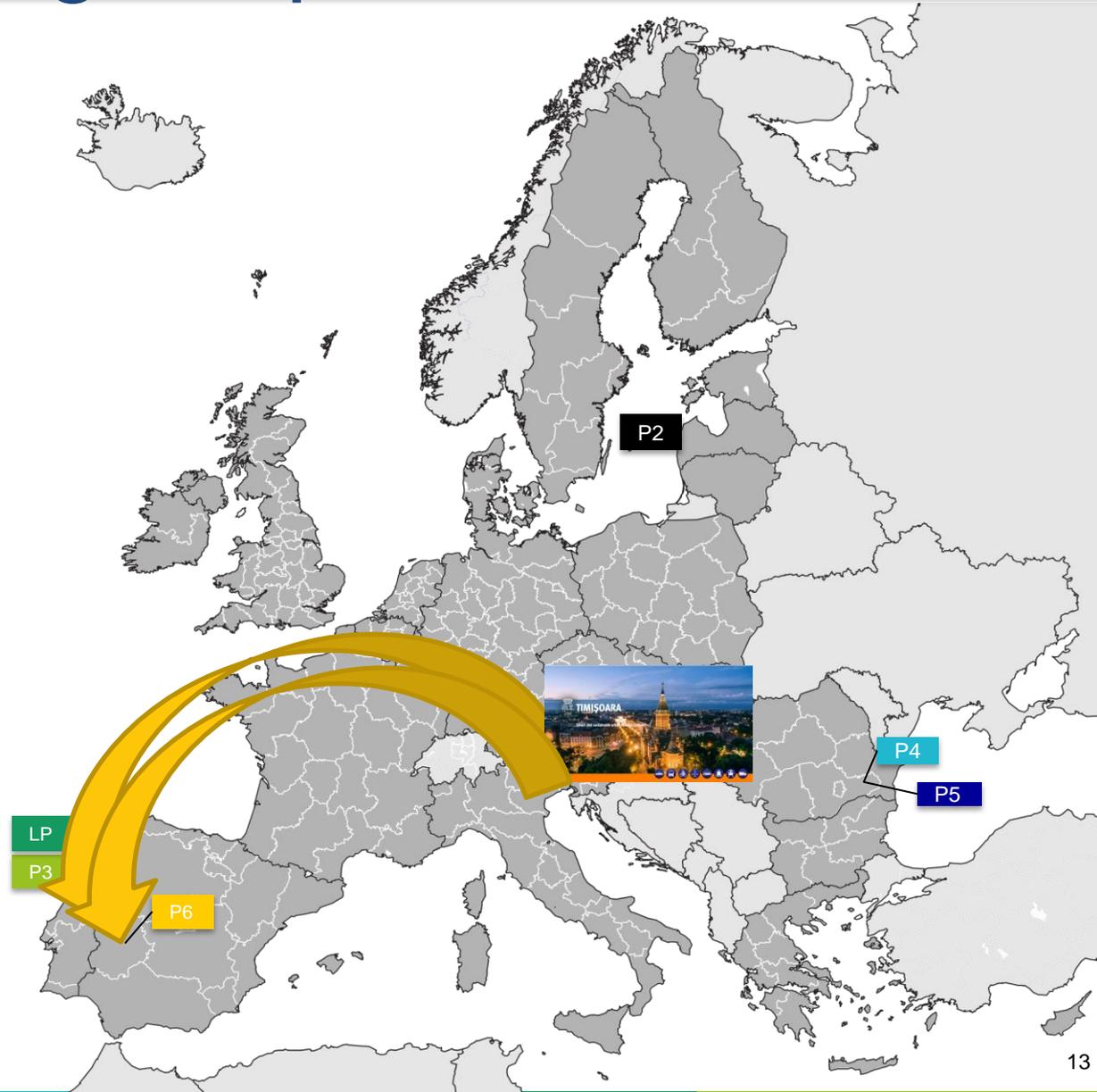
Trafiklab  
Stokholm

Open data  
Caceres



# Learning with good practices

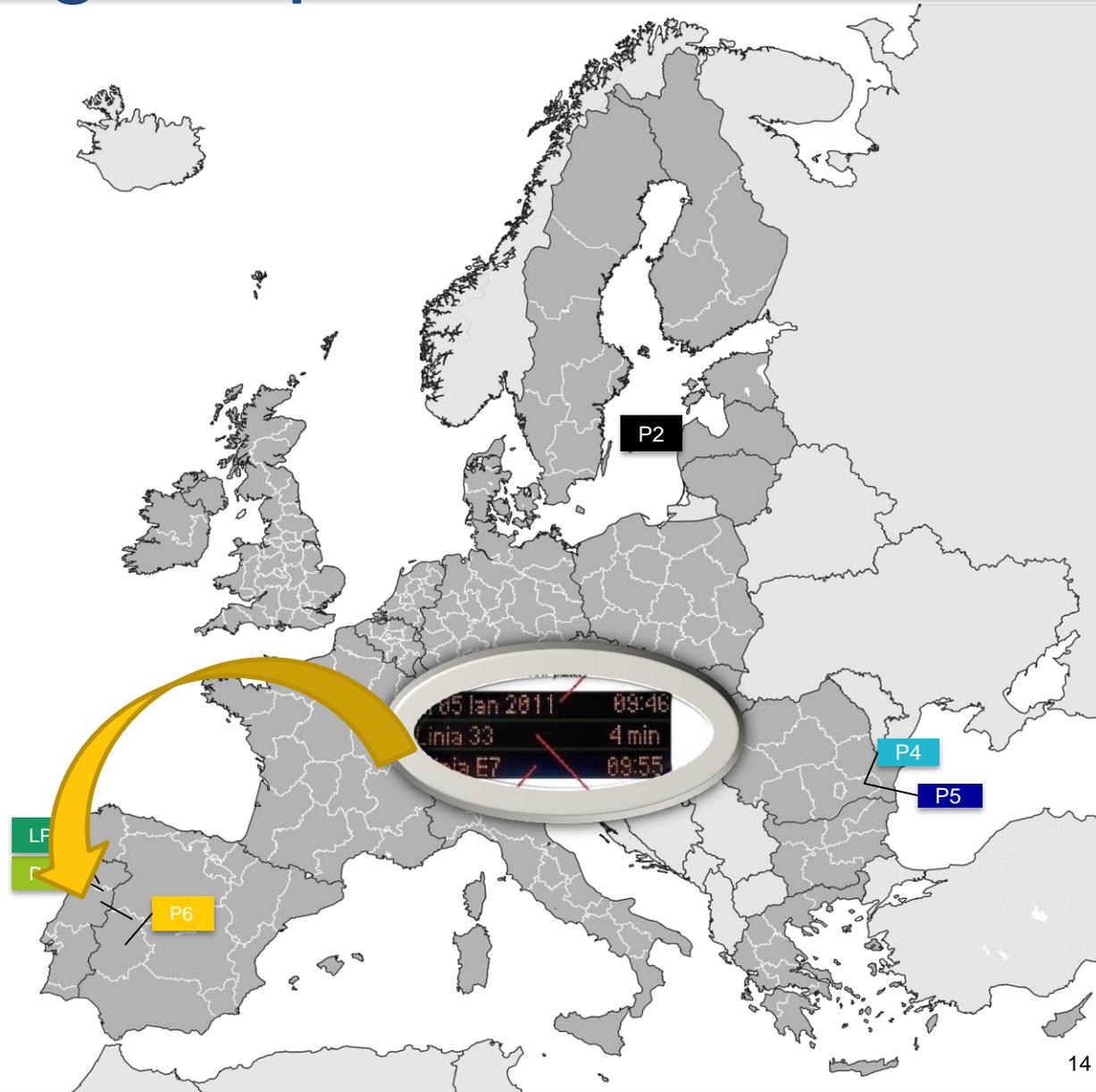
Inform  
(monitor)  
Timisoara  
Multimodal  
Traffic  
management  
system



# Learning with good practices

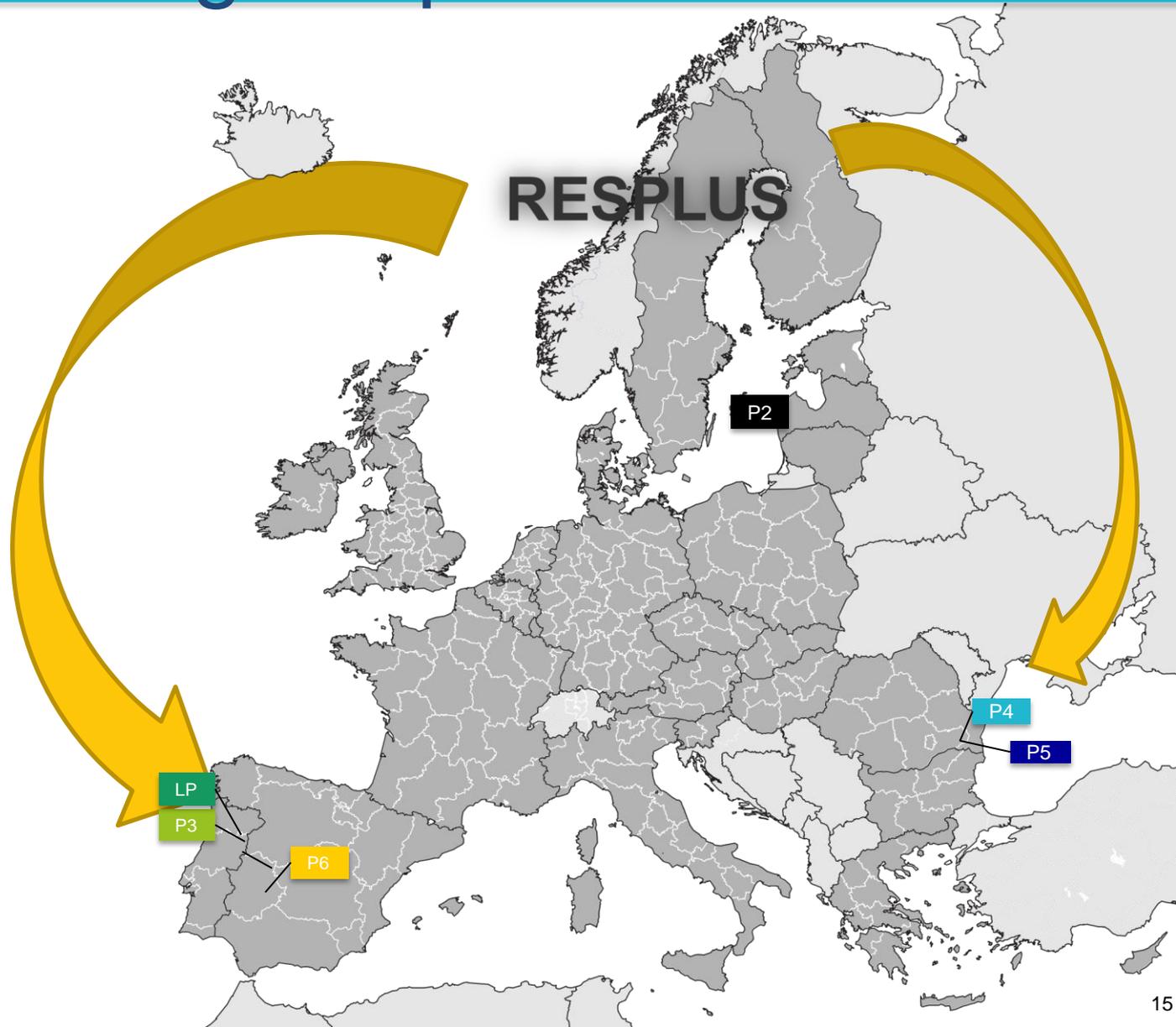
Inform  
(monitor)

Real time  
transit info



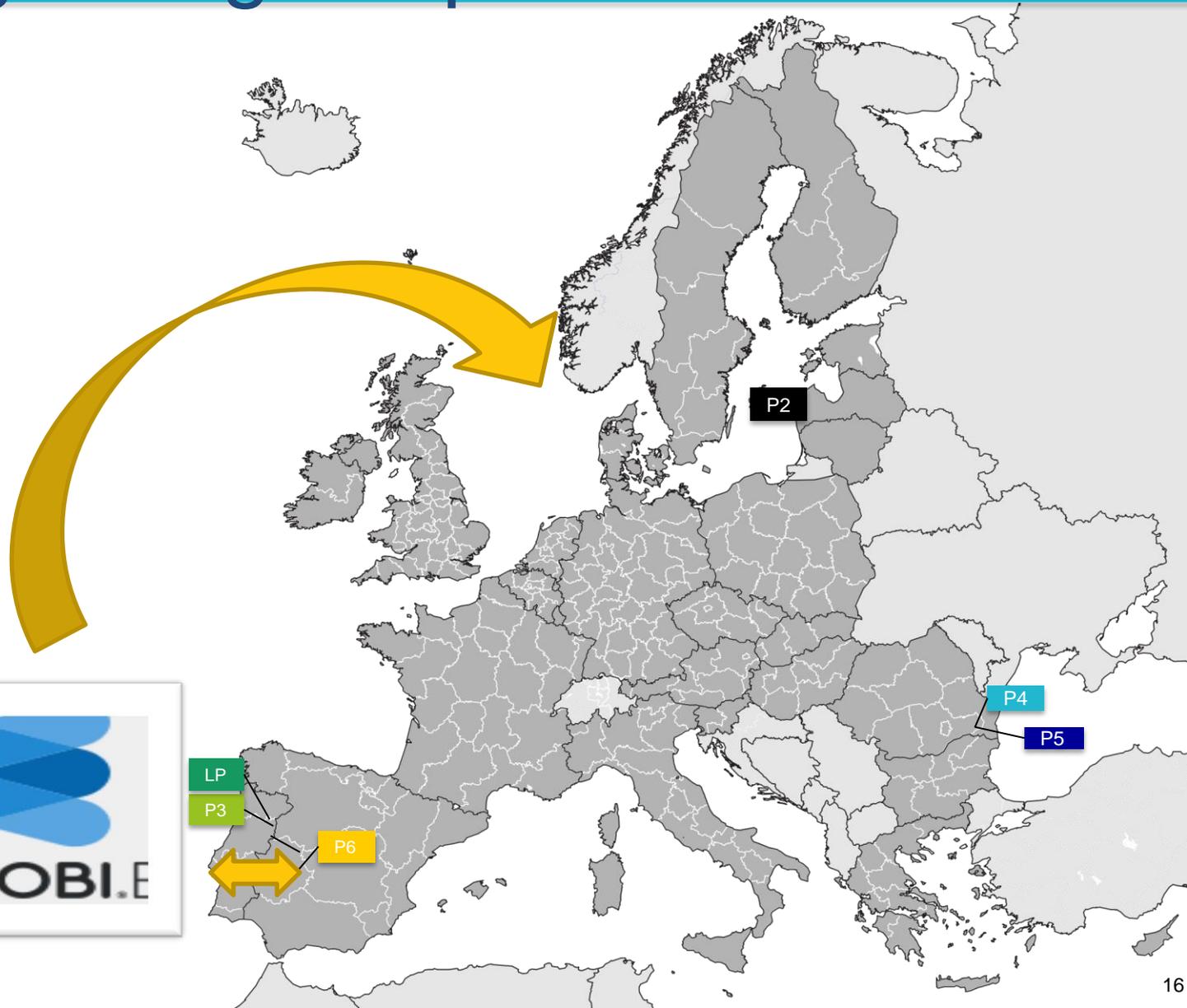
# Learning with good practices

Manage  
Sweden  
Integrated  
ticket



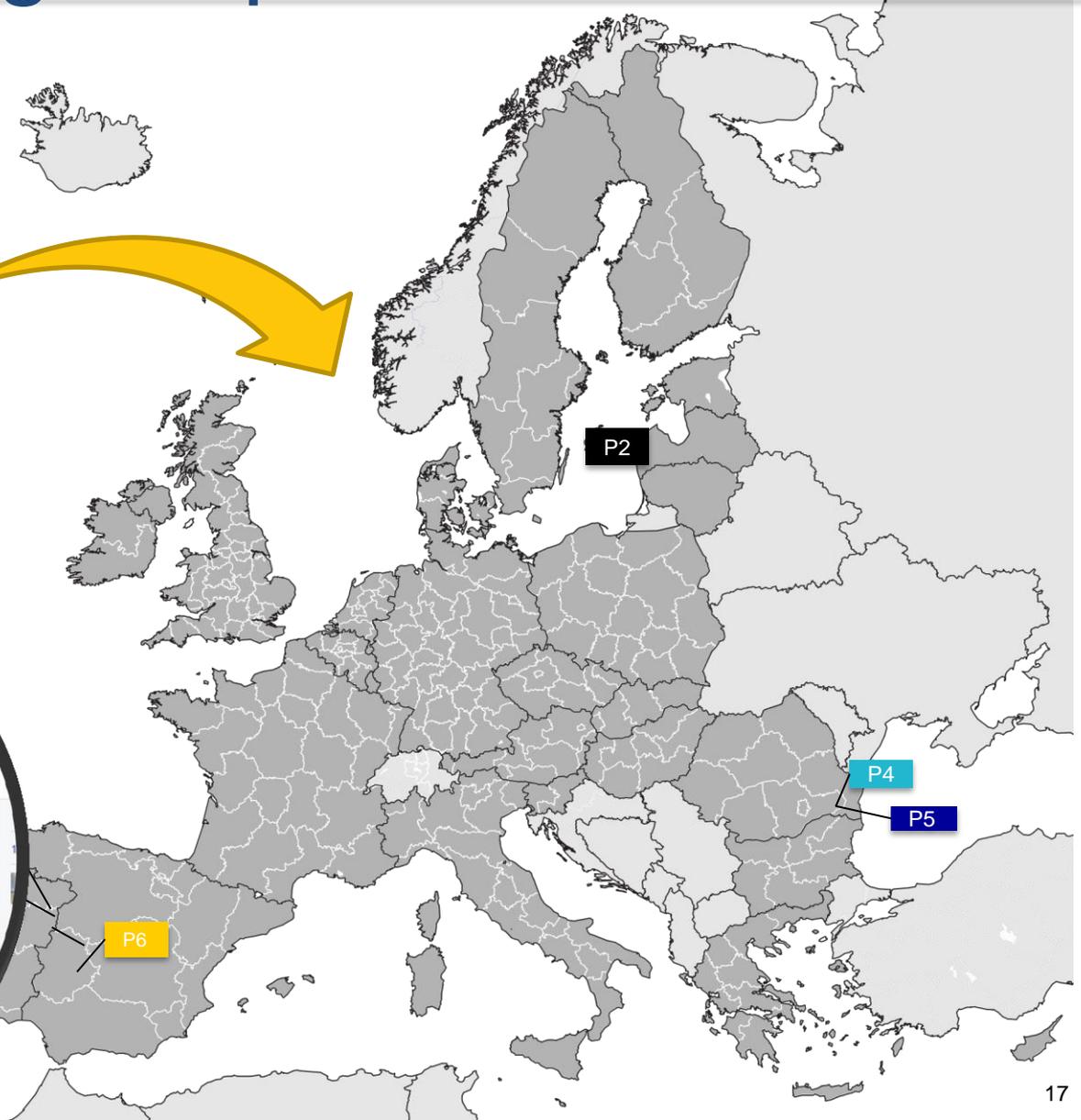
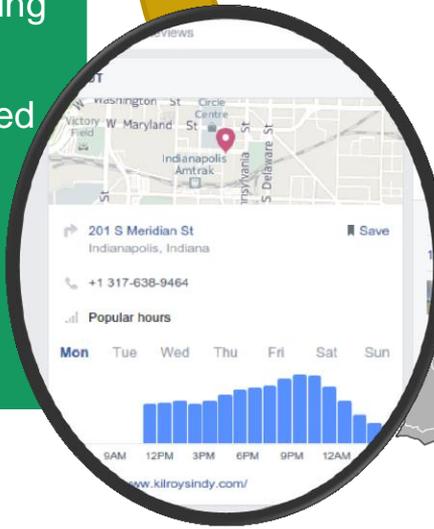
# Learning with good practices

Manage  
Inter  
operable  
e-mobility



# Learning with good practices

Evaluate  
Crowdsourcing  
Data  
Traffic related  
impacts



# Learning with mistakes: Why not?



High toll charges leave Portugal's drivers on road to nowhere



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**Next steps...**

# Action plans for Policy Instruments



**PI1: Operational Programme for the Centro Region – Centro 2020**



**PI2: Sustainable Mobility Strategy for the Municipality of Águeda**



**PI3: BMTA policy and strategic aims**

**PI4: Regional Operational Programme 2014 - 2020**



**PI5: Extremadura Operational Programme 2014 - 2020**



# Core benefits

## Improving the implementation of Structural Funding programmes:

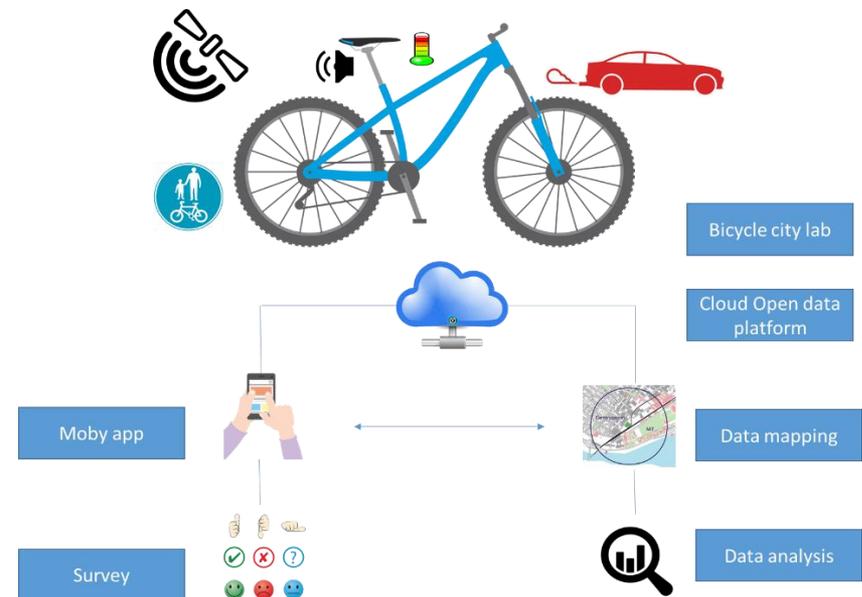
- Level 1: support new projects
  - Level 2: influence programme management
  - Level 3: influence programme content
- } *may not require funding!*

# Pilot actions

## Real-time info for public transport



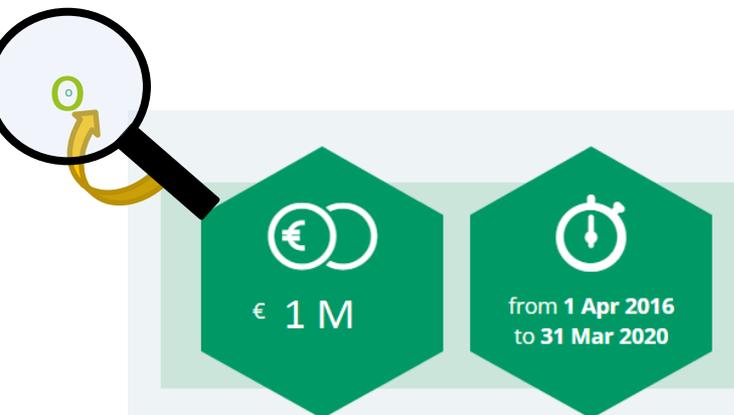
## Connected Bikes



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# Final remarks

# CISMOB BUDGET – ERDF funding



# Road Transport emissions-related costs in Centro Region, Romania and Extremadura during CISMOB timeline



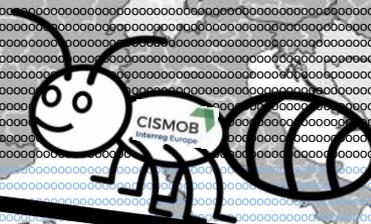
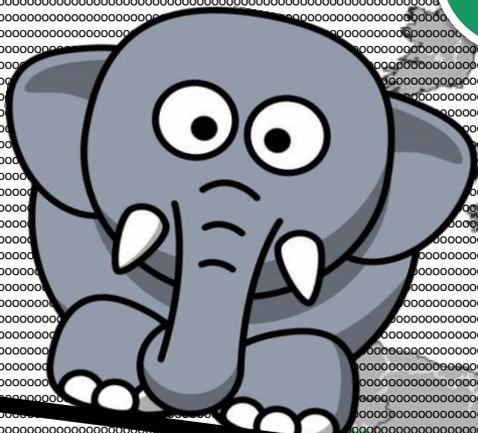
CO2 1724  
m EUR

VOC 61 m  
EUR

NOx  
1932 m EUR

PM2.5  
704 m EUR

IF WE ARE  
REASONABLY  
SUCCESSFUL  
ERDF FUNDS APPLIED  
IN CISMOB WILL BE  
A GOOD INVESTMENT!



# Thank you!



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).

[www.interregeurope.eu/cismob](http://www.interregeurope.eu/cismob)

An interregional cooperation project for improving low-carbon economy policies

Project Partners

Extremadura Energy Agency (ES)  
Municipality of Agueda (PT)  
University of Aveiro (PT)  
Bucharest Metropolitan Transport Authority (RO)  
Intelligent Transport Systems Romania - ITS Romania (RO)  
Stockholm University (SE)

**CCDR-Centro  
Stakeholders  
Invited Speakers  
Partners Staff  
UA staff**

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

