



CISMOB

Interreg Europe



European Union
European Regional
Development Fund

CISMOB

Cooperative information platform for low carbon
and sustainable mobility

Aveiro, March 7th, 2018

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universidade
de aveiro

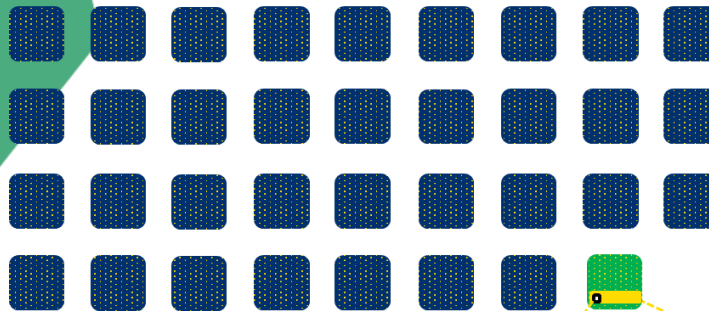
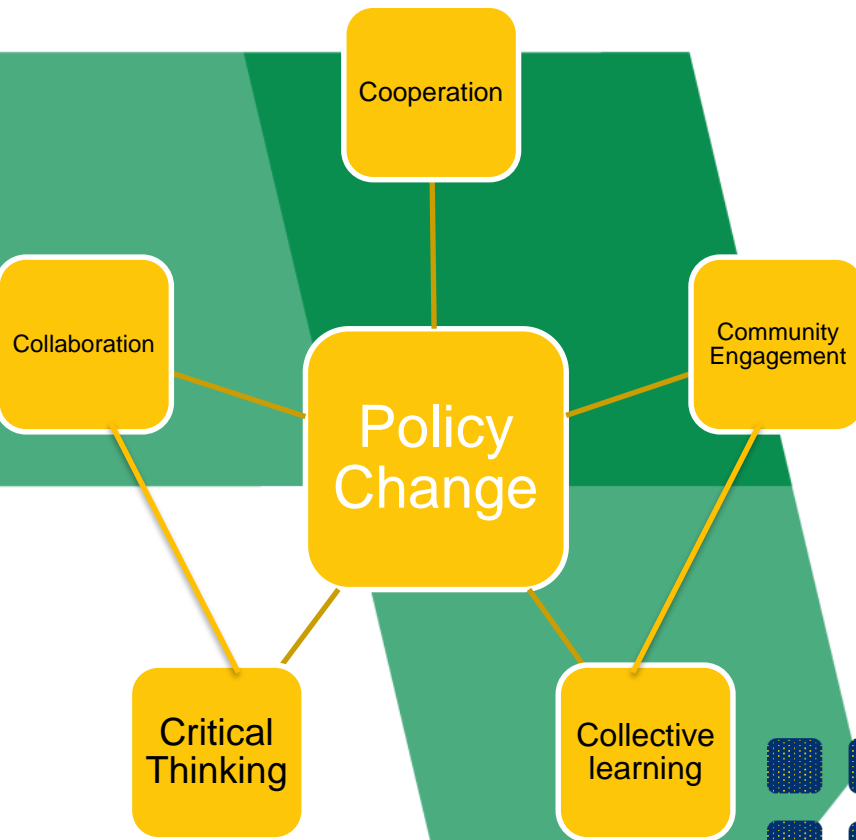
Outline

- **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 ...

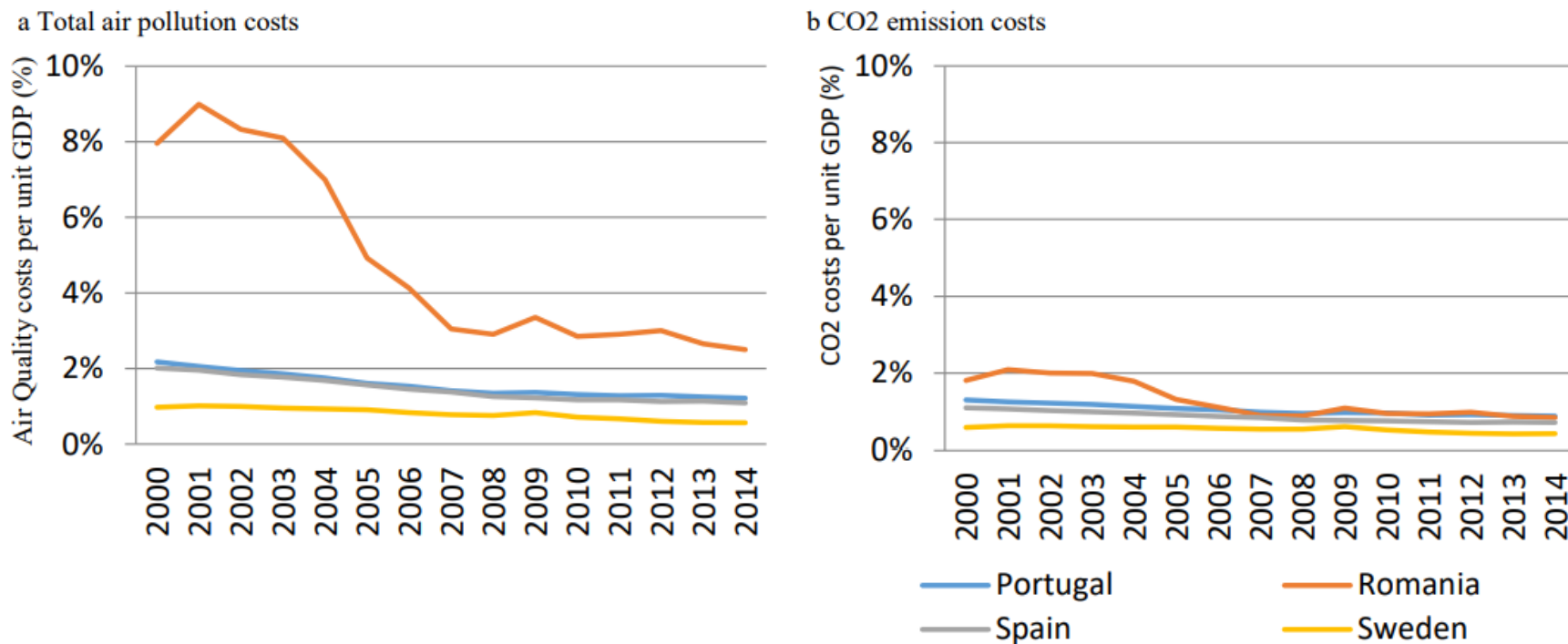


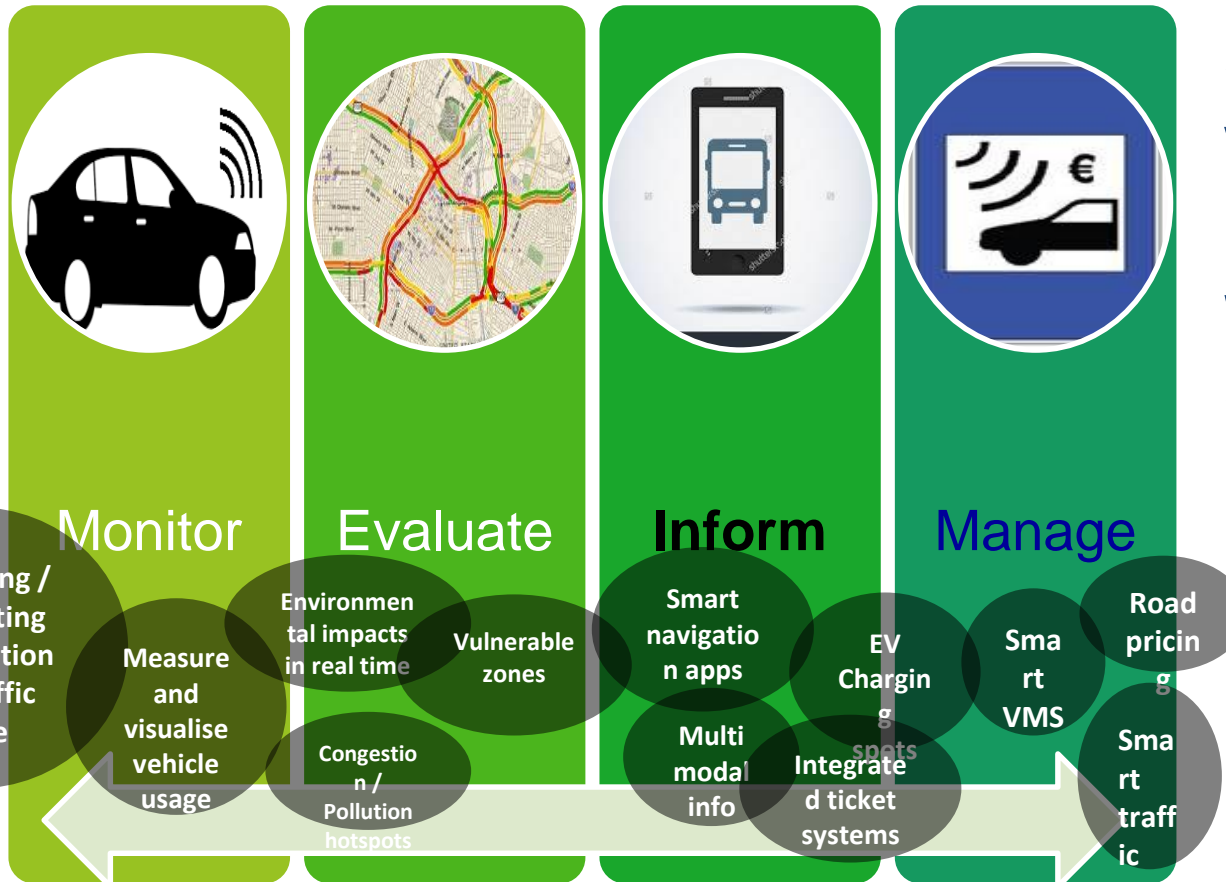
Fig. 7. Air quality costs per unit GDP (a) and CO2 costs per unit GDP (b) for Portugal, Romania, Spain and Sweden.

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:

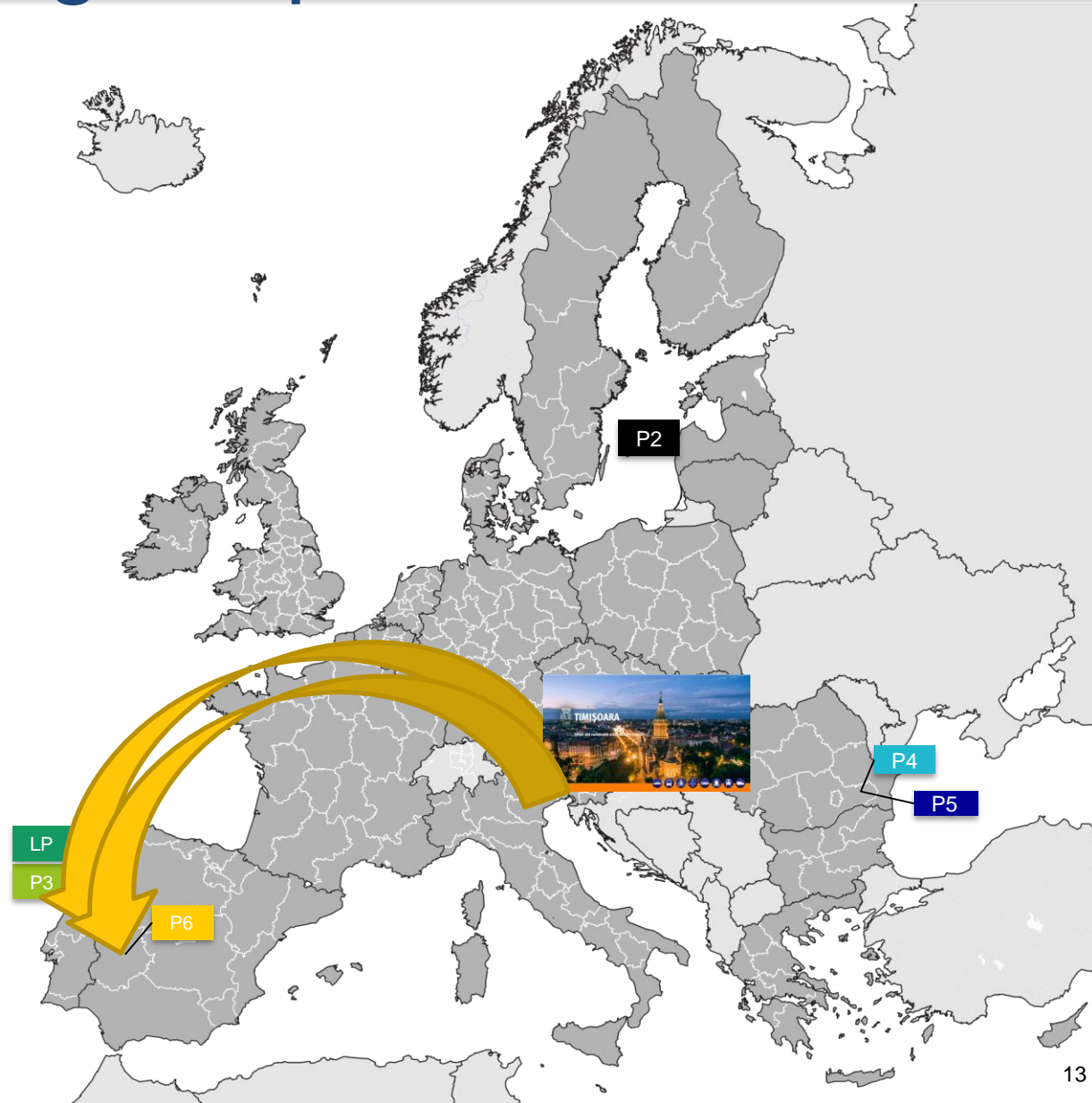
Trafiklab
Stockholm

Open data
Cáceres



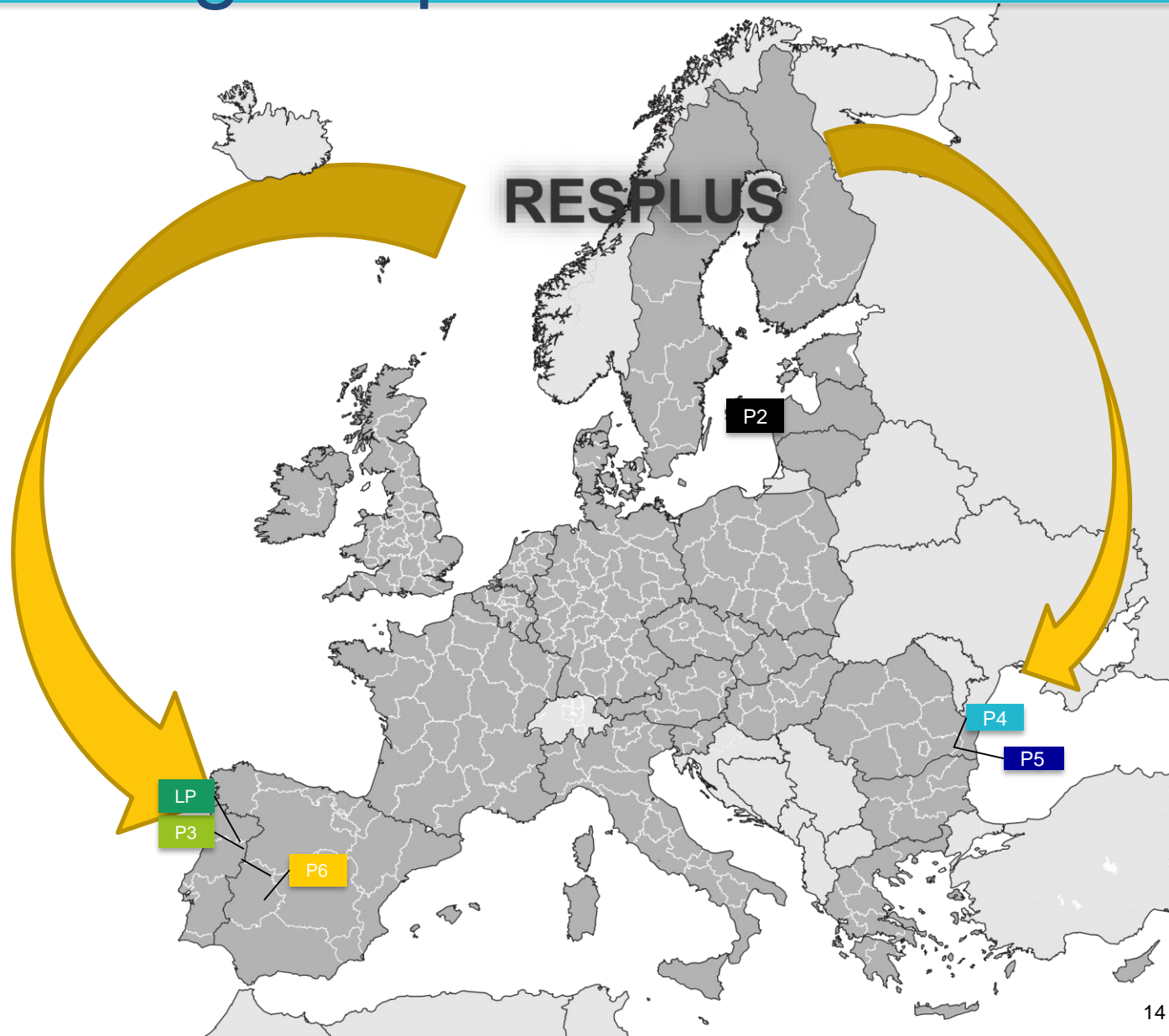
Learning with good practices

Inform
(monitor)
Timisoara
Multimodal
Traffic
management
system



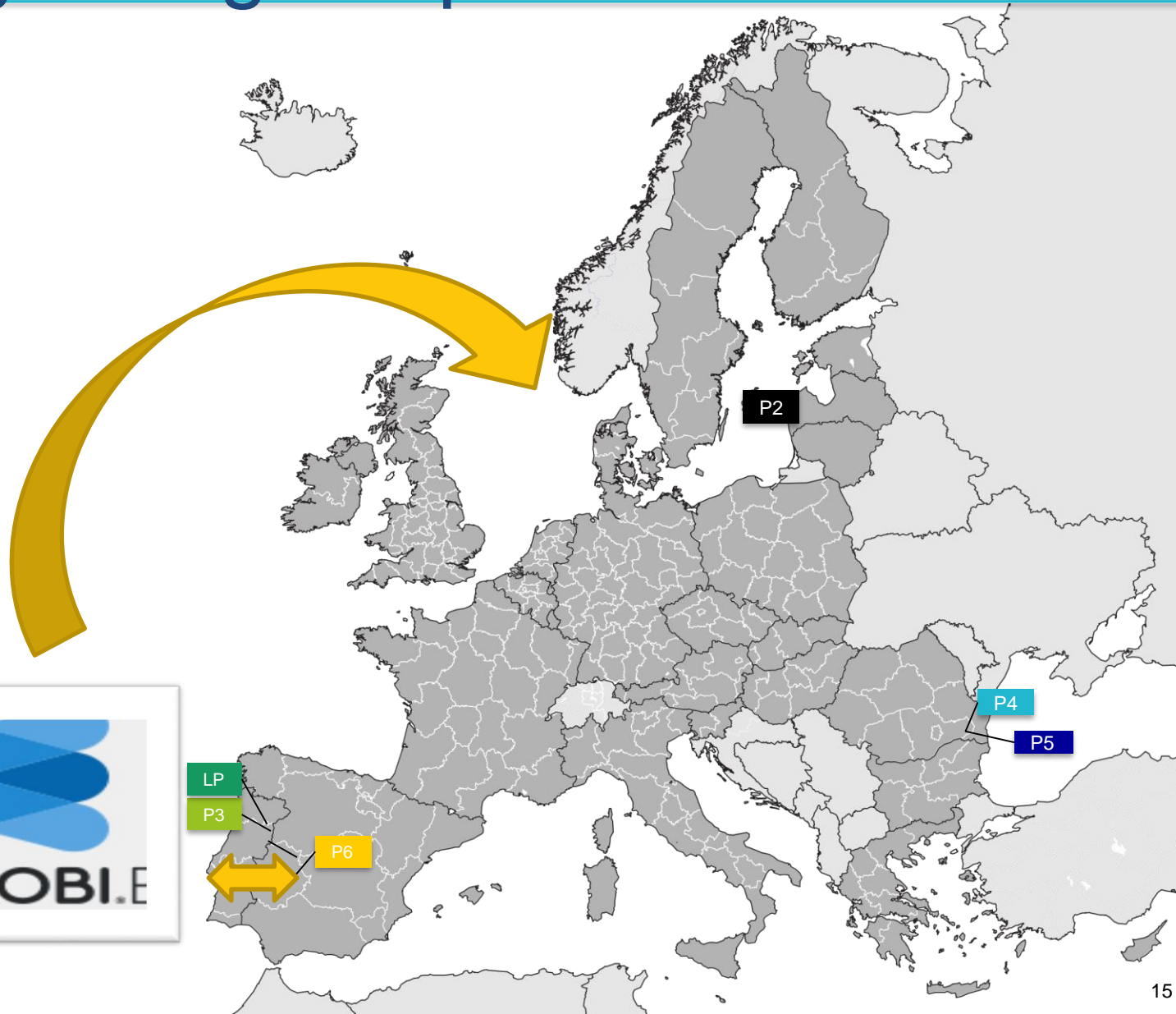
Learning with good practices

Manage
Sweden
Integrated
ticket



Learning with good practices

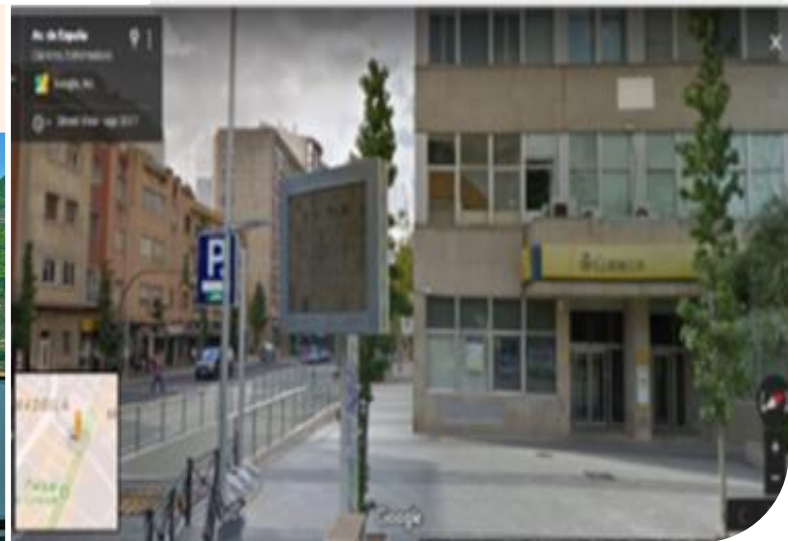
Manage
Inter
operable
e-mobility



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

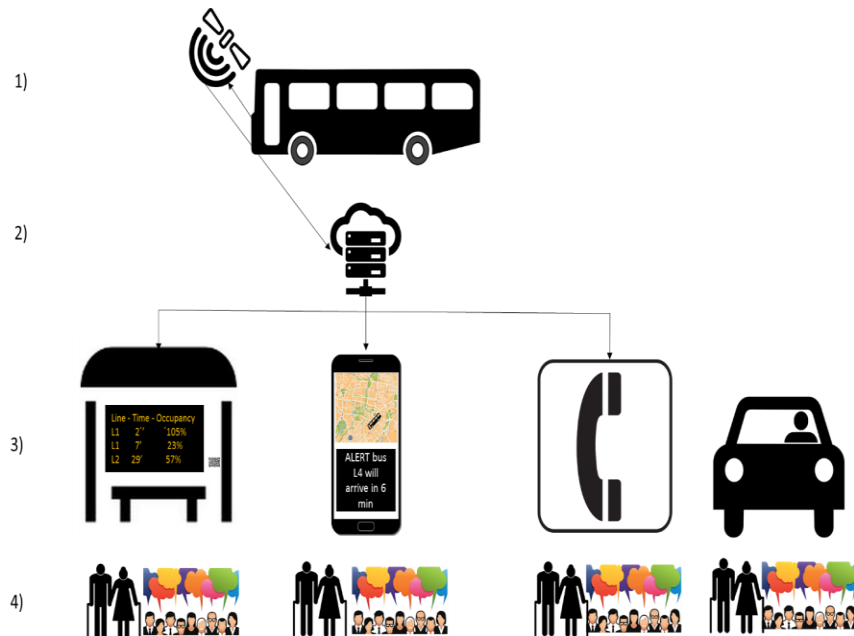


PI5: Extremadura Operational Programme 2014 - 2020

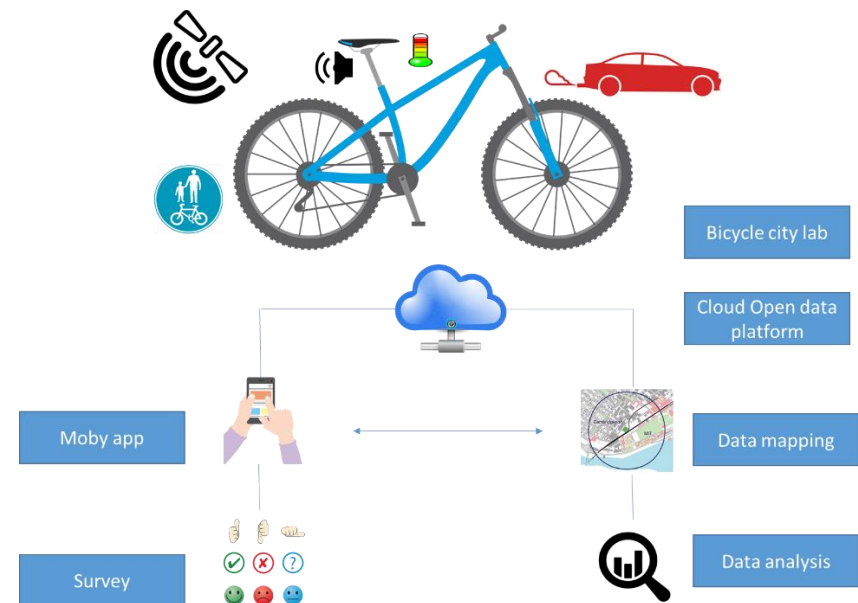


Pilot actions

Real-time info for public transport



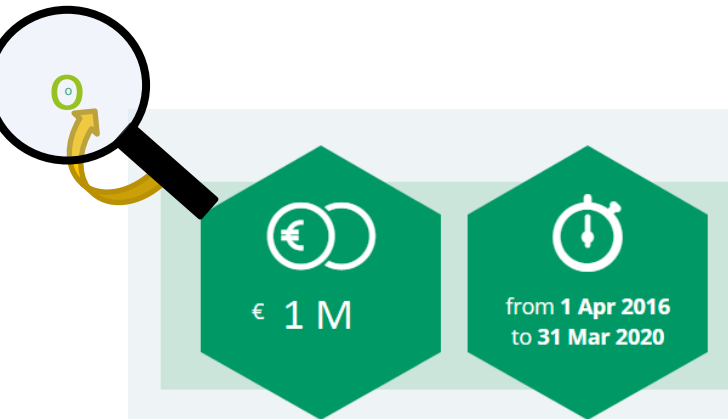
Connected Bikes



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Final remarks

CISMOB BUDGET – ERDF funding



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



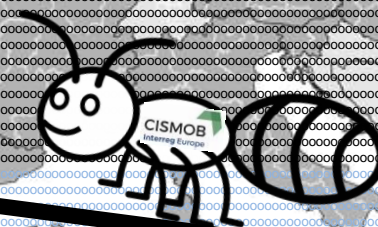
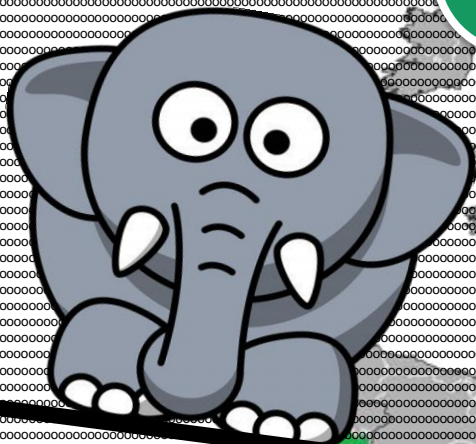
CO2 1724
m EUR

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!

CCDR-Centro Stakeholders Invited Speakers Partners Staff UA staff



CISMOB
Interreg Europe

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

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)



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

