

# Os novos desafios para a mobilidade de Lisboa

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***EMEL – Empresa Pública Municipal de Mobilidade e Estacionamento de Lisboa***

Workshop “Serviços Inovadores e Integradores para a Mobilidade Urbana”  
Lisboa, 5 de Julho de 2011 | Lisboa



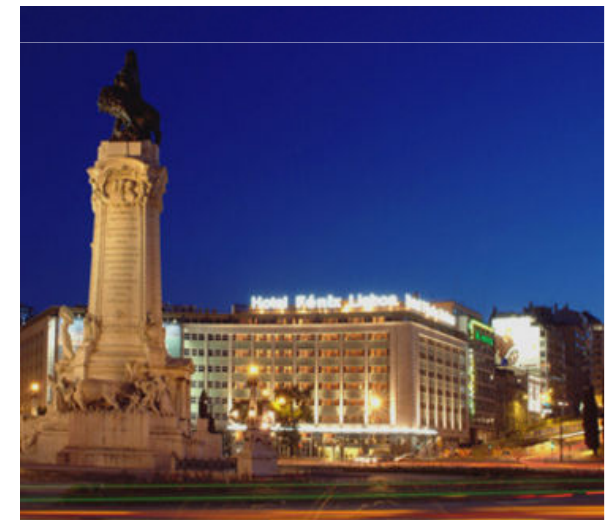
# The City of Lisbon: Key facts

**Population : ½ Million inhabitants  
2 million in metropolitan area**

**Income per capita : 21.300€**

**Functional geography- main features :**

- **Loss of population last 4 decades**
- **Population density is 5.780 inhabitants per km<sup>2</sup>**
- **200.000 vehicles permanent residents**
- **400.000 vehicles entering daily in the city**
- **Ca. 400.000 parking spots**





**A city of historical buildings**



## What solutions?

### Vehicle technology

- New energy sources
- New propulsion systems

### Urban Planning

- City of Burroughs
- Better integration
- ...

### Mobility Management

- Public Transports
- Parking management
- Soft Modes
- ...

### Change of behaviour

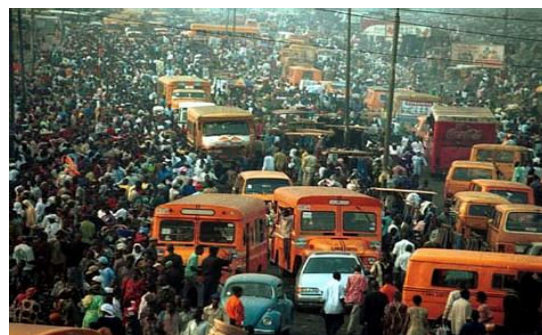
- Education
- Eco mobility training
- Communication

## The “I’s” of Mobility:

1. Inovação (Innovation)

2. Integração (Integration)

3. Informação (Information/communication)



## The “I’s” of Mobility:

### 1. Inovar (Innovation)

**INNOVATION = CHANGE OF BEHAVIOUR**

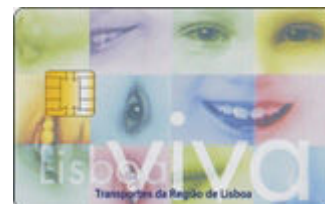
**Bike Sharing, BRT?**



# The “I’s” of Mobility:

## 2. Integration

- Metro, bus, bike, walk, leisure, food, ....
- “connecting the dots”





## The “I’s” of Mobility:

### 3. Information/communication

- Last TV advertising campaign? ....
- Integrated brochure?
- Too many workshops & conferences?



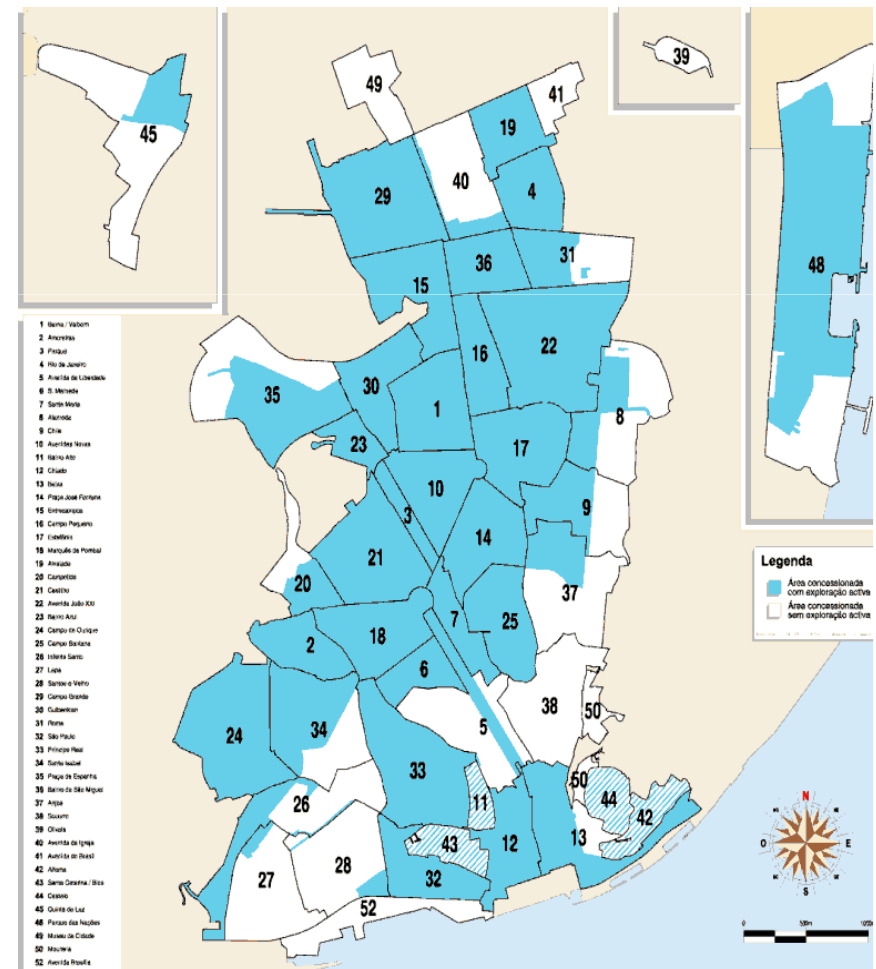
**The role of Mobility Agencies, Mobility houses,  
Mobility stores, Mobility quiosques....**



# EMEL – Lisbon Mobility and Parking Municipal Company

## Who are we ? What are we promoting?

- On street parking management & enforcement (42,000 spaces)
- 5 Parking Garages and 17 Parking Lots (3,200 spaces)
- Historical neighborhoods with controlled access
- Electric vehicles and public charging points
- Park & Ride solutions
- Mobility solutions





**We are more than just parking....**



L I S B O A



## Electric Mobility

- EV charging points localization plan (687 charging points)
- EV charging points in EMEL car parks
- Car fleet renewal with electric vehicles
- Partners in European projects





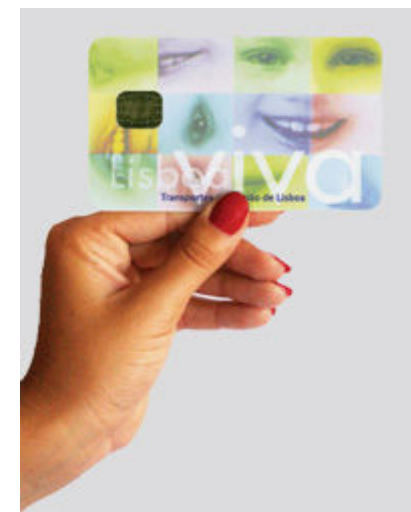
## PARK N BIKE

- Encourages the use of bicycles as a supplementary means of travel
- Allows occasional or monthly rental of a bicycle in EMEL car parks



## PARK N RIDE

- Service available in EMEL car parks which are located in the outskirts of the city
  - Integration with other Lisbon transport modes (CARRIS, METRO, ...)
  - Provides a monthly integrated rate (49 €)





# Parking Payment

Into a fully integrated ticketing system:

1500 multispace pay and display machines

- Coins

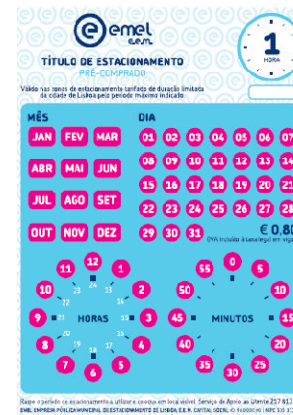
- Prepaid tickets

- Smart park

and (until the end of 2012)

- SMS (text messages)

- Contactless cards (same card for bus, train, metro)





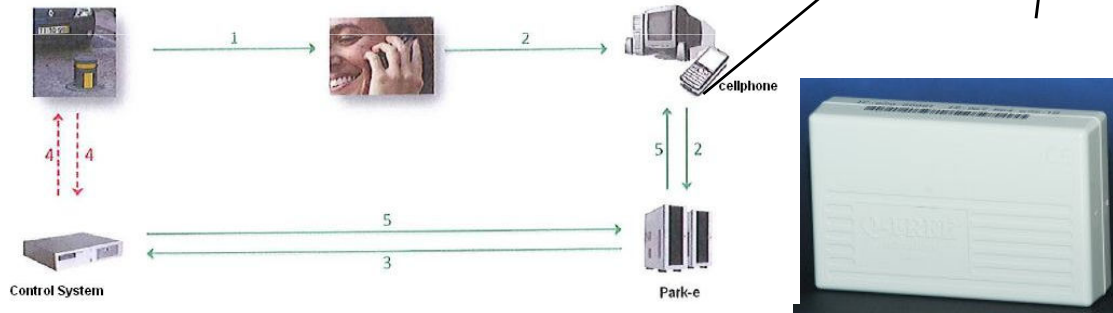
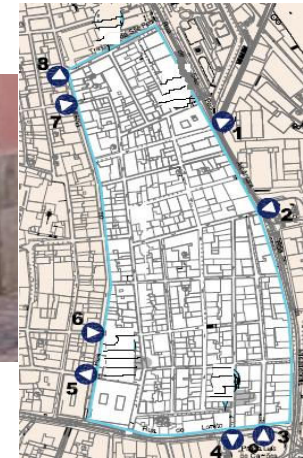
**Innovative Integrated Parking Management in Lisbon Historical Neighborhoods**





# ACCESSIBILITY CONTROL TECHNOLOGIES

In order to access a Historic Neighborhood, a vehicle will necessarily fulfill one of the following assumptions



Remote access control by users

Access with "Via Verde" technology (Radio Transponder)

Access with a pre-paid And Rechargeable RFID contactless card.



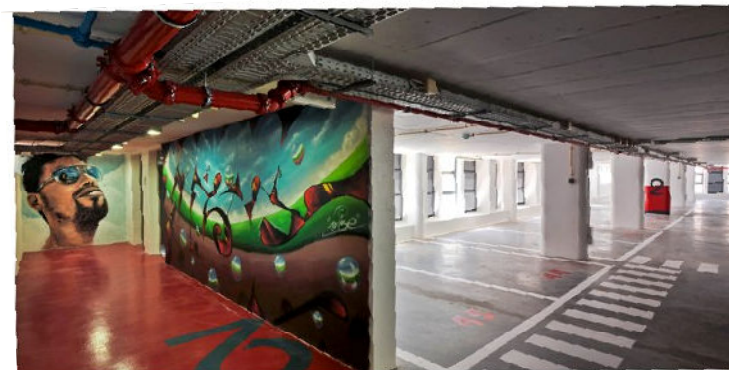
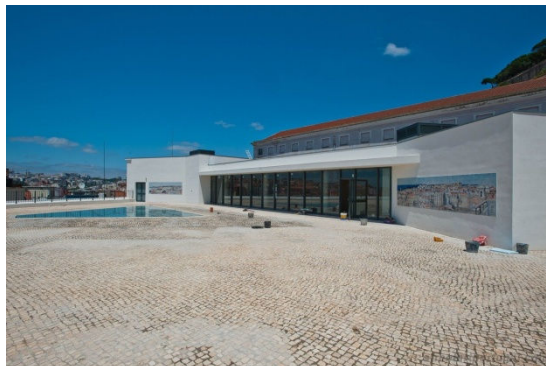


# Integrated multi use parking lots



## Parque Chão do Loureiro

- 200 parking spaces
- Supermarket
- Restaurant
- Art gallery
- Zero emissions level (EV)
- Pedestrian elevator to the Castel





CiViTAS  
Cleaner and better transport in cities



CIVITAS - City-VITAlity-Sustainability

Second FP7 CIVITAS Call for Proposals

CIVITAS Plus II

# CIVITAS 4 HILLS - Solutions for Mobility and Liveability in Cities with Hilly Landscapes





**CiViTAS**  
Cleaner and better transport in cities



## CIVITAS 4 HILLS *PARTNERS*



**Municipalities**

LISBON

PÉCS

PLOVDIV

PONFERRADA

**Local organizations**



Pécsi  
Városfejlesztési



Környezettudatos  
Közösséget



**Transport operators**



Tüke Busz Zrt.



Metropolitano de Lisboa

**Universities / consultants / providers**



Association  
for Plovdiv





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Cleaner and better transport in cities



## **CIVITAS 4 HILLS MEASURES**

### **Cluster**

### **Measures**

I. Technological Innovation

- I.1: Integrated multi-modal ticketing
- I.2: Real time passenger information system covering all modes of transport and including interactive services
- I.3: Integrated Environmental and Quality Management Practices

II. Change Behaviour

- II.1: Promoting better conditions for pedestrians
- II.2: Accessibility for all to Public Transport
- II.3: Residential parking management and Zones with Vehicle Access Control
- II.4: Promoting better cycling conditions
- II.5: Aggressive communication campaign

III. Clean Vehicles (Electromobility)

- III.1: Promoting tests for Electric Vehicles and Bikes
- III.2: Electromobility corridors
- III.3: Use of EVs / Hybrids in public transport

IV. Urban Logistics

- IV.1: Innovative methods to manage urban distribution
- IV.2: Pricing Instruments for Sustainable Freight Transport

# SUMOBIS

Toulouse Burgos Oviedo Ponferrada Huelva Lisboa



## Thank you for your attention



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