



Urban Mobility and the City of Lisbon

A new paradigm...for all

Tiago Farias



EUROCITIES Mobility Forum A new mobility paradigm: build a city for all
Lisbon, 15-17 March 2017

The Target: Cities



- **Where + 70 % world population will live**
- **Where you can win (or lose) the environmental, climate change, economical and social battles**

The goal

To provide accessibility... not mobility

- To people
- To places
- To information
- To goods
- To services (job, school, ...)
- To entertainment
-

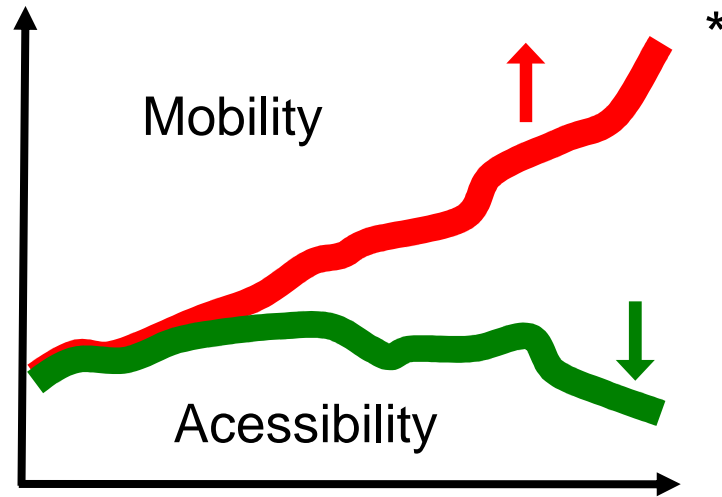


The means to provide accessibility

- **Proximity**
- **(Universal) Mobility**
- **Connectivity**



The problem



* source: Mário Alves, 2015

The reason: who to blame?

- Planning?
- Management?
- Technology?
- Behavior?



The consequences



Less quality of life, traffic, air pollution, climate changes,....

The approach

Plan the system



Manage the mobility systems



Adopt best technologies



User & behavior



The approach

Plan the system



Cais do Sodré – Long time ago



Fonte: Fundação Calouste Gulbenkian

Cais do Sodré - Before



Cais do Sodré - 2017



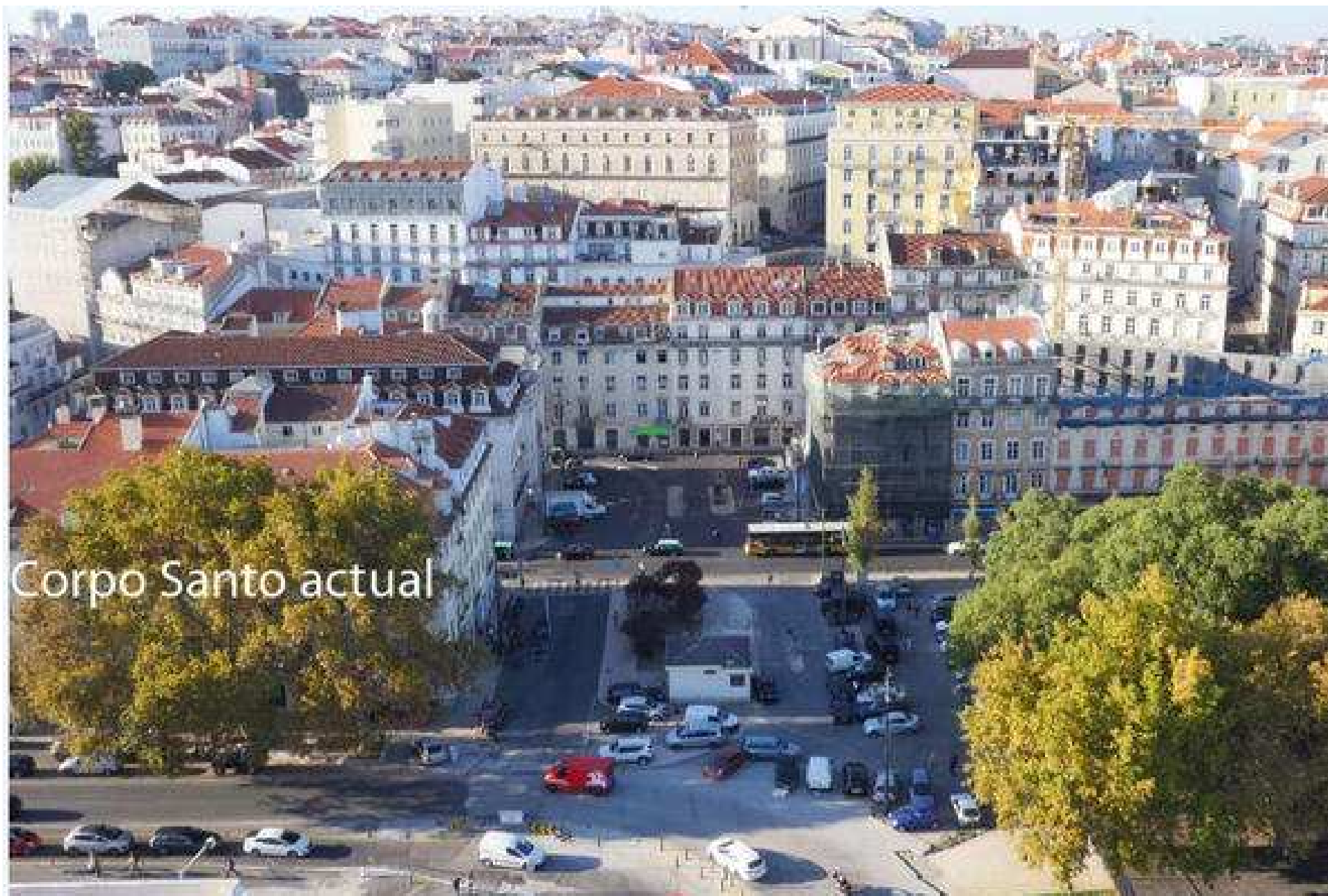
Campo das Cebolas – before



Campo das Cebolas actual

Campo das Cebolas – after





Corpo Santo actual

Fonte: Diário Imobiliário



Corpo Santo
futuro: Janeiro 2017

Fonte: Diário Imobiliário

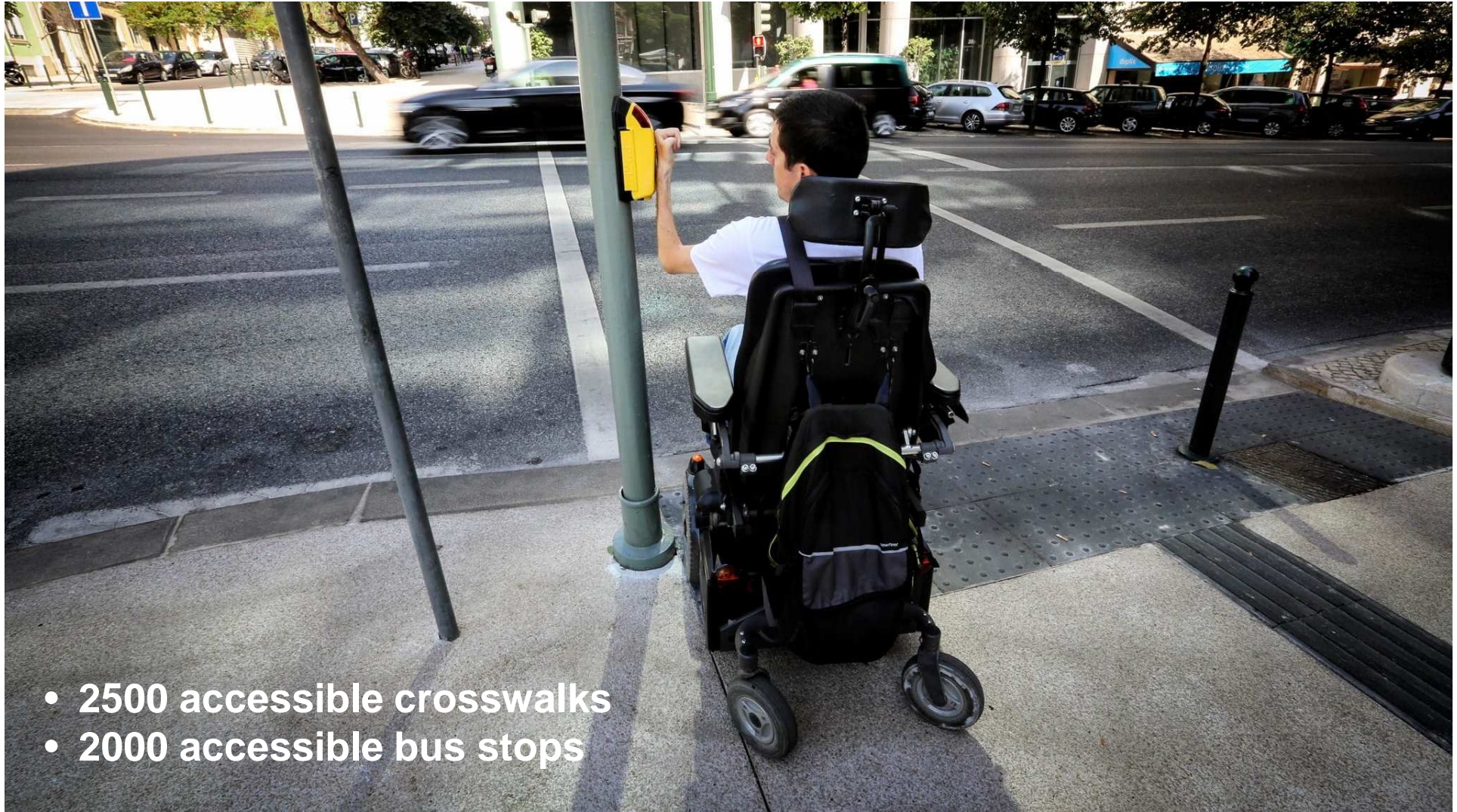
Saldanha – before



Saldanha – 2017



Universal Accessibility: pedestrians come first



- 2500 accessible crosswalks
- 2000 accessible bus stops

Accessibility to leisure and sports



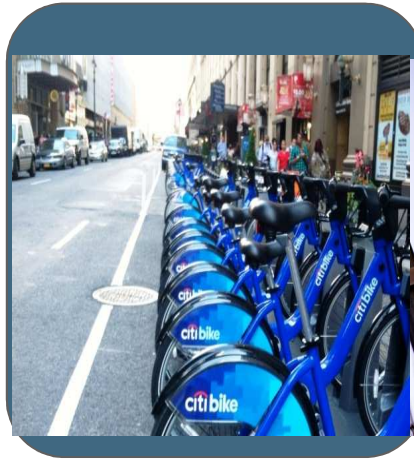
Accessibility to large events



The approach

Plan the system

Manage the mobility systems



Integrated approach

Public transports



CARRIS:

- KPIs

600 buses, 50 trams, 80 lines

ca. 30 million kms / year, 140 millions passengers

The approach

Plan the system



Manage the mobility systems



Adopt best technologies



Lisbon Electric Vehicles Program



Lisbon Electric Vehicles Program



City of Lisbon - more than 100 EVs

The Lisbon Municipal Fleet...going green



Municipal Police



Municipal fleet



Gardening and waste collecting vehicles

The MOBI-E National Program



- +500 public charging points in Lisbon
- Parking incentives
- Vehicle acquisition incentives





The approach

Plan the system



Manage the mobility system



Adopt best technologies



User & behavior



The Future...in a Digital Area
Great opportunities, great challenges



The Future...in a Digital Area
Great opportunities, great challenges

The sharing generation?

- Ideas
- Information
- Spaces
- Vehicles
- Bicycles
- ...



- Via smart phone....

A new behavior
towards mobility



The Future...in a Digital Area
Great opportunities, great challenges



Mobility driven by New Technologies

A new behavior towards mobility

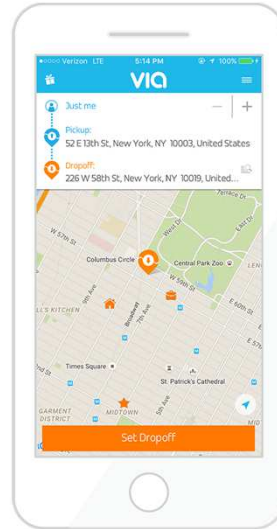


The Digital Power



- Digital cloud based connectivity
- Shared and autonomous mobility will proliferate
- Centralized in one personal unit: our smartphones
- Autonomous+electric+conneted+shared = ?

Multiple products, multiple solutions

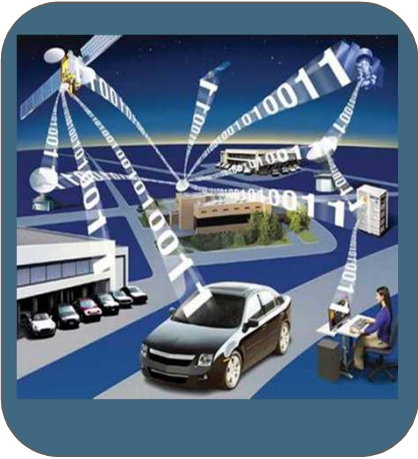


Integration via Smartphone

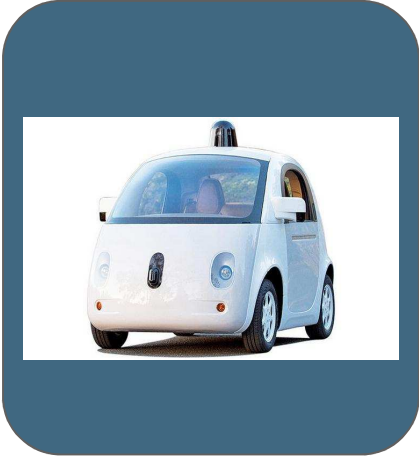


The Future...in a Digital Area
Great opportunities, great challenges

**A Digital based
Mobility
management**



**Mobility driven
by New
Technologies**

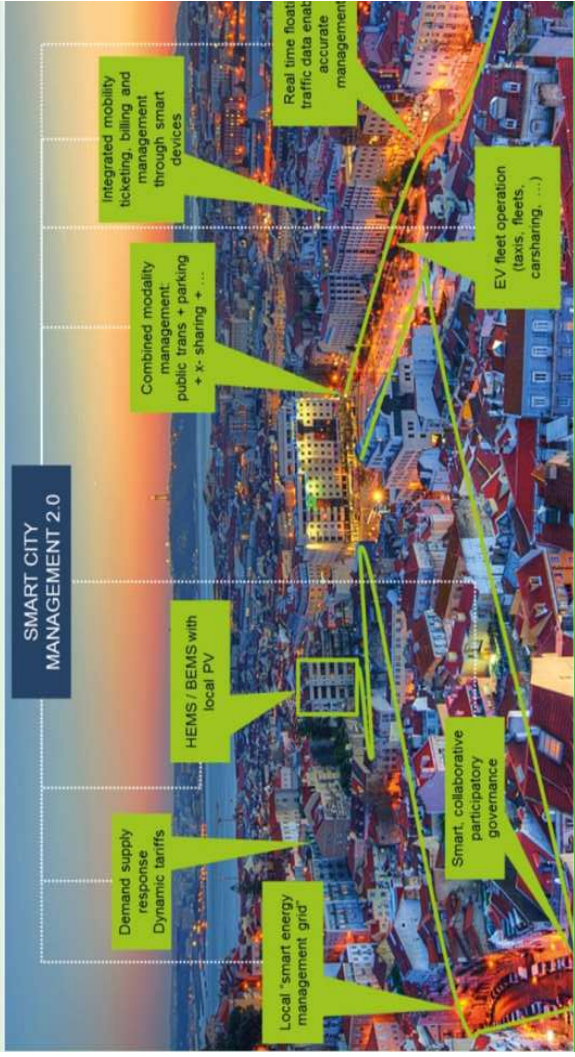
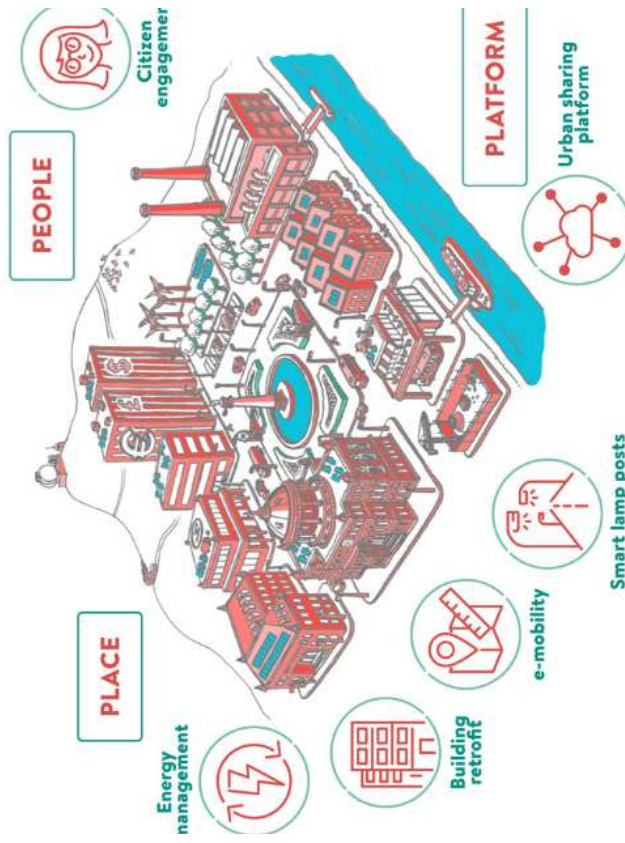


**A new behavior
towards mobility**



Cloud based
digital world

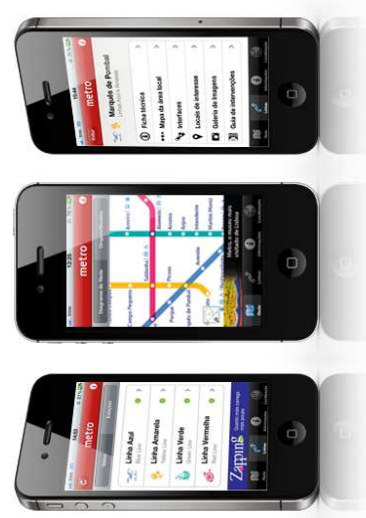
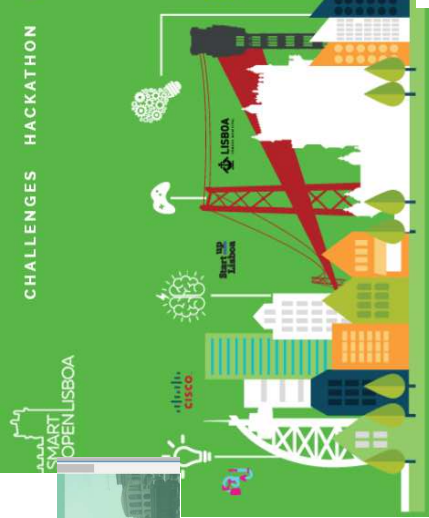
LISBON SMART CITY A TEST-BED FOR COLLABORATIVE INNOVATION



CHALLENGES HACKATHON EXPERIMENTATION DATA STARTUPS TEAM CONTACT

UPGRADE LISBON'S CITY LIFE

Your unique Startup to



Integrated Digital based management



Who will lead?
Who will centralize?
Who will integrate?
Who will manage?

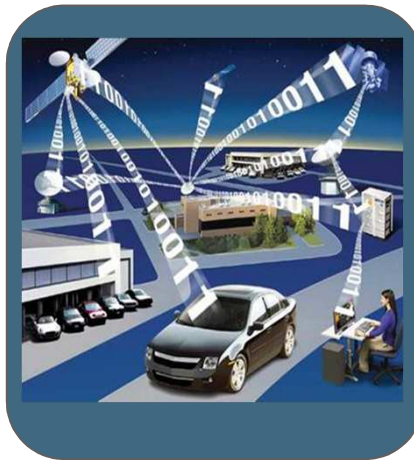


The Future...in a Digital Area
Great opportunities, great challenges

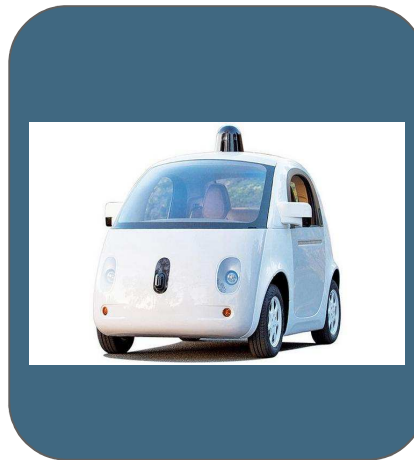
Planning
vs.
Policy & regulation



A Digital based
Mobility
management



Mobility driven
by New
Technologies



A new behavior
towards mobility



Will cities be running behind? Or can we lead the process?
How can we (cities) and industry tune our goals?



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