



# LISBON

## INSPIRE – GeoSpatial World Forum

**Jorge Máximo**  
Lisbon City Council  
27<sup>th</sup> May, 2015

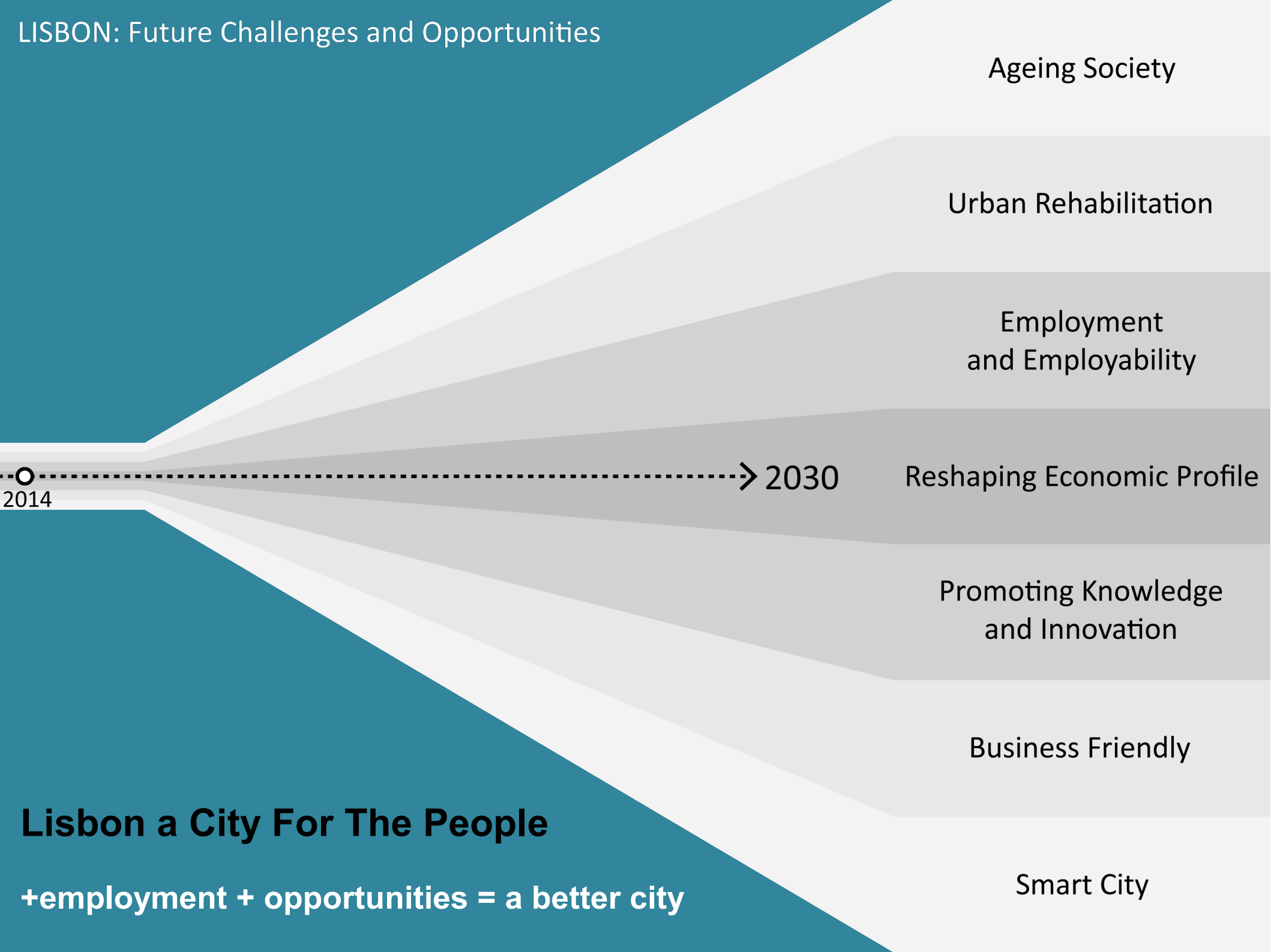
# LISBON

3 000 km<sup>2</sup>

2,8  
Million  
inhabitants

64.000 M€  
GDP

# LISBON: Future Challenges and Opportunities



## Lisbon a City For The People

+employment + opportunities = a better city





*A Smart City might be described as one that...*

*...dramatically increases the pace at which it improves its sustainability and resilience,*

*...by fundamentally improving how it engages society, how it applies collaborative leadership methods, how it works across disciplines and city systems, and how it uses data and integrated technologies,*

*...in order to transform services and quality of life for those in and involved with the city (residents, businesses, visitors)*  
*ISO 'Working Definition'*

**LISBON – Smart City**  
**An open innovation city ecosystem**

# KNOWLEDGE AND INNOVATION

Lisbon is already a city of knowledge and innovation, an European city capital extremely receptive to technological innovations, a prime location for the implementation of R&D centers and shared services for multinationals.







**104**

Higher Education Institutions

**139.000**

Students (Higher Education)

**34.000**

Graduates/Year

**15.000**

Researchers

**7.000**

Doutorados

**13**

Incubators

**3**

S&T Parks

**13.000**

Foreign Students

(crescimento de 39%  
nos últimos 4 anos)

**3.000**

Students in ERASMUS Program



# LISBON: ATLANTIC START UP CITY

**Start up Lisboa Tech**      **Start up Lisboa Commerce**

- +190 startups supported
- +600 jobs
- 5 million Euro gathered
- 72 Mentors
- +50 partners
- 30% of the entrepreneurs are foreigners
- Strong focus on technological startups
- +20 national and international awards

**INVEST LISBOA**  
Your Atlantic Partner

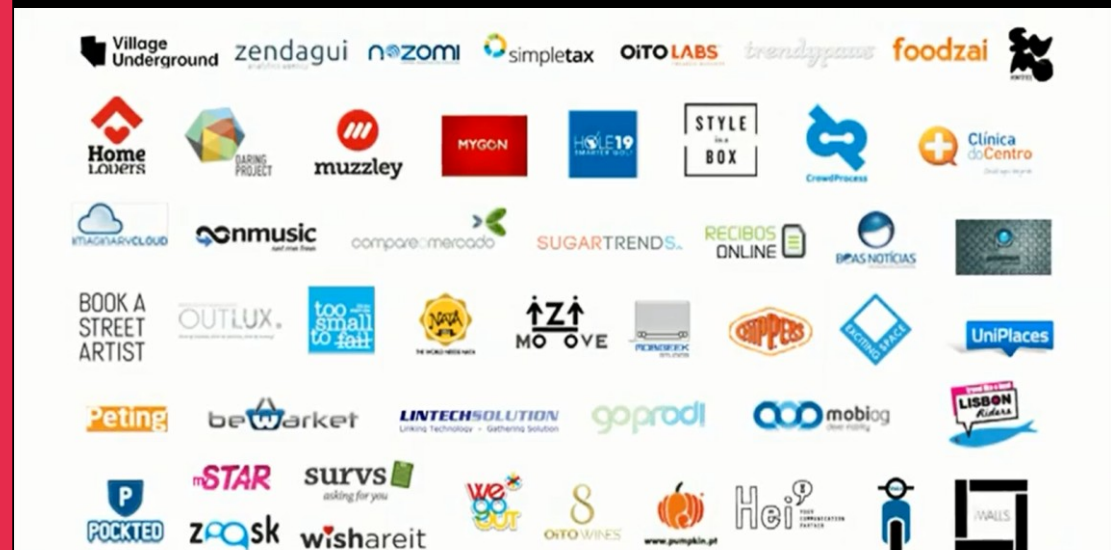
**LISBOA**  
CÂMARA MUNICIPAL

Montepio

IAPMEI  
Porcentos para o Crescimento

Start up Lisboa

www.startuplisboa.com



# AMBITION

## A city that is:



- Inclusive
- Global
- Sustainable
- Closer to the people
- Entrepreneur friendly

***A Citizen-Centered Smart City***



## Some of our projects:

### The Participatory Budget Experience

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**Lisbon** was the first European Capital **adopting** the **Participatory Budget (PB)**, and this experience is referred to as an **innovative** example by the UN

PB is a **tool for citizen participation** with the goal of **supporting decision** making processes in all the fields of competence of the city, through on line media

## The Participatory Budget Experience

*Facts and Figures*

	2008	2009	2010	2011	2012	2013
Proposals	580	533	927	808	659	<b>551</b>
Projects	89	200	291	228	231	<b>208</b>
Number of votes	1.101	4.719	11.570	17.887	29.911	<b>36.000</b>





# Open Data: available to everyone / spatially enabled open data

The screenshot displays the LISBOA Spatial Enabled Open Data portal. At the top, the search bar contains the word "alojamento". Below the search bar is a map of the Lisbon region with several blue dots representing hotels. The map includes labels for various locations such as Sintra, Amadora, Lisboa, Almada, and Barreiro. Below the map, there are navigation controls and a "Download Dataset" button. The dataset details panel is open, showing the following information:

**Hotéis de 4 Estrelas**

OPEN IN ARCGIS | SHARE | SUBSCRIBE | Download Dataset

Details | Table | Charts

**DATASET ATTRIBUTES**

Código SIG Text	0202512086001001 (1), 0302301014001 (1), 0402002002001001 (1), 0901602149001001 (1), 0902011039001001 (1) ... (50 more)
Descrição Text	Localizado no centro de negócios de Lisboa, num... (2), Situado na nova área financeira de Lisboa com a... (2) ... (50 more)
Designação Text	Double Tree by Hilton Hotel Lisbon - Fontana Park (2), Sana Metropolitan Hotel (2), Hotel Mundial (2) ... (49 more)
Email Text	rsv@olissippohotels.com (3), info@hotel-mundial.pt (2), sanametropolitan@sanahotels.com (2) ... (46 more)

**ABOUT**

Open Data POI  
By GISLisboa on A  
Updated: a month

Source <https://services.arcgis.com/1dSrZEWVQn5KH/>  
Metadata Hotéis de 4 Estrelas  
Licensing No license specified

**TAGS**

OpenData; Alojamento; POI

DOWNLOAD ENTIRE DATASET

Spreadsheet KML Shapefile API

OR

DOWNLOAD FILTERED DATASET

Spreadsheet KML Shapefile API

“Crucial for global change will be

**open-data cities**

cities which self-consciously and collectively decide to make available unimaginable quantities of data, openly and freely”



# City SDK | a good example

To create a **Smart City Application Ecosystem** through large-scale demand-driven City Pilots, that package and align key smart city application areas to an **open source service developer toolkit, accessing city Open Data.**

**Three large-scale pan-European smart city service pilots** in the eight partner cities:  
Helsinki, Amsterdam, Barcelona, Lamia,  
Manchester, Rome, Lisbon and Istanbul.



CHIRDO

CASTELO

CONGRATS TO THE **BIG** FINALISTS!

lisboa.bigapps.co

Vodafone **BIG apps** lisboa

SUPER CHARGED BY:

LISBOA CAMARA MUNICIPAL

CitySight

Vodafone PowerLab

FoodGrid

NOVICA MINOLTA

irefi

EUROPEAN UNION







# Stimulating citizen engagement and participation

+ 300 issues a day  
+ 100 000 issues per Year

**Massive participation by the citizens**

Urban cleaning, Lighting, Pavement and sidewalk issues, Garbage removal, Abandoned vehicles, Etc...



**Na Minha Rua**

Bem-vindo ao novo portal de intervenções na via pública, em habitação e equipamentos municipais. Aqui pode pedir uma recolha de objectos fora de uso, a reparação da fechadura da sua casa municipal, comunicar uma viatura abandonada ou uma avaria num candeeiro, entre outros.

Para emergências, por favor contacte o 808 215 215.

Dedaro que li e concordo com as [Condições de utilização](#) do site

Criar Ocorrência em três passos

Pesquisar ocorrências

Indicadores

Amadora

Odivelas

Lumiar

Aeroporto

Pq das Nações

Olivais

Marvila

Cp Grande

Alvalade

Cp Pequeno

Areeiro

Pc de Espanha

Saldanha

Madredeus

Pq Eduardo VII

Penha de França

Marquês

Campolide

Marquês

Penha de França

Monsanto

Rato

Graça

Castelo

Baixa

Alfama

Pc do Comércio

Cp Ourique

Lapa

Ajuda

Português

1: 90000

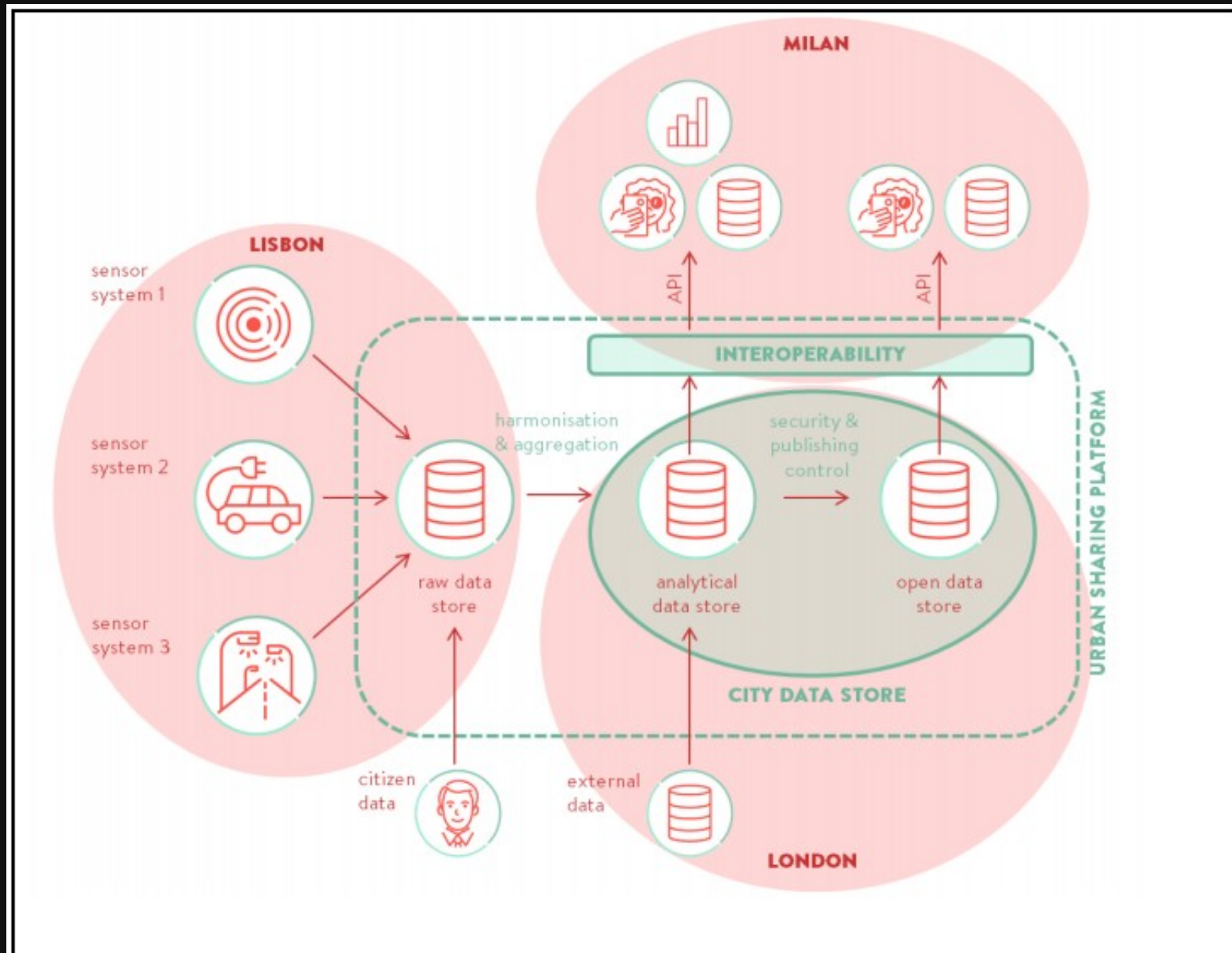
VENDEDOR

navigantes

Prémio Melhor Município Digital

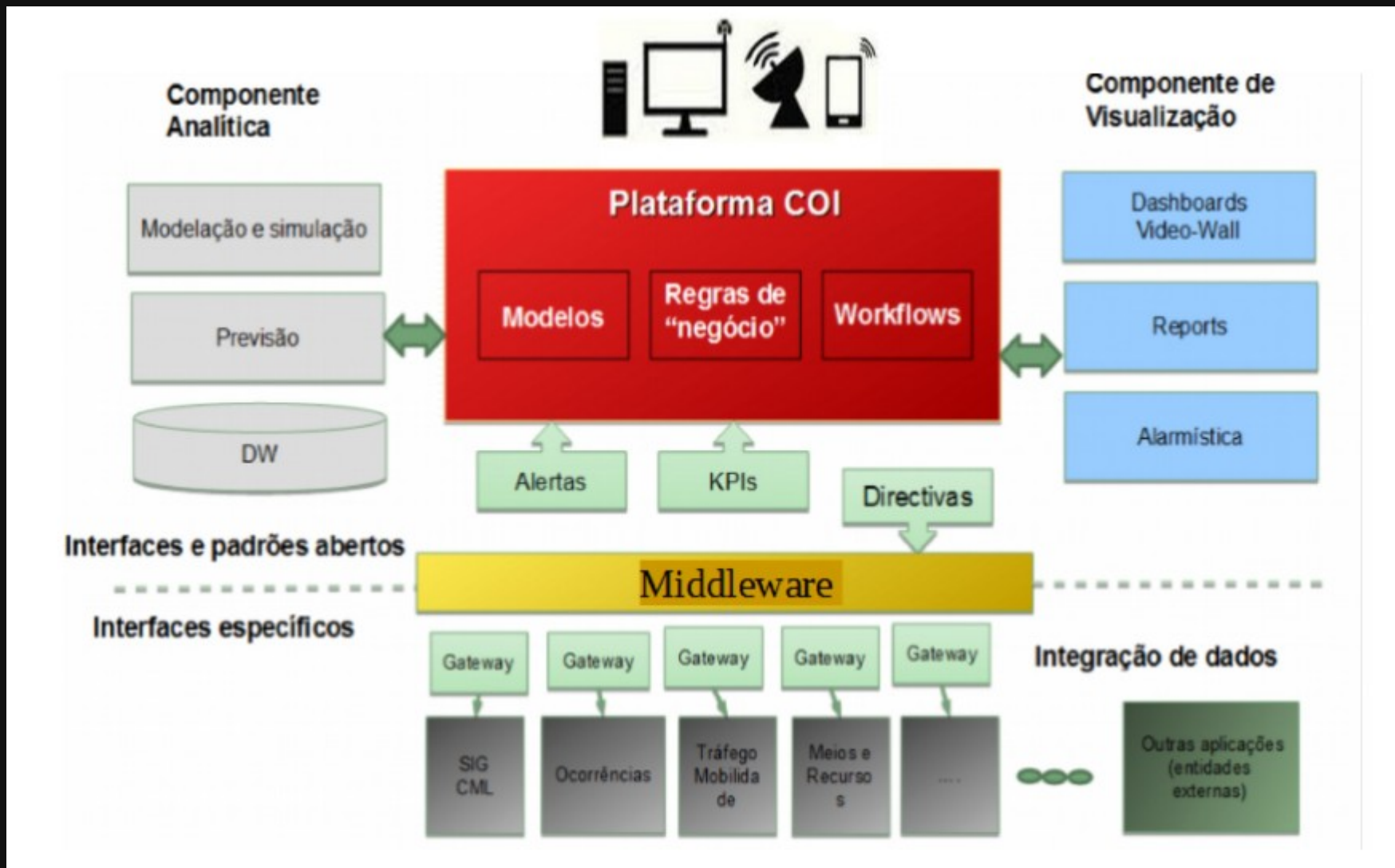
CM Lisboa - Na Minha Rua / GOP

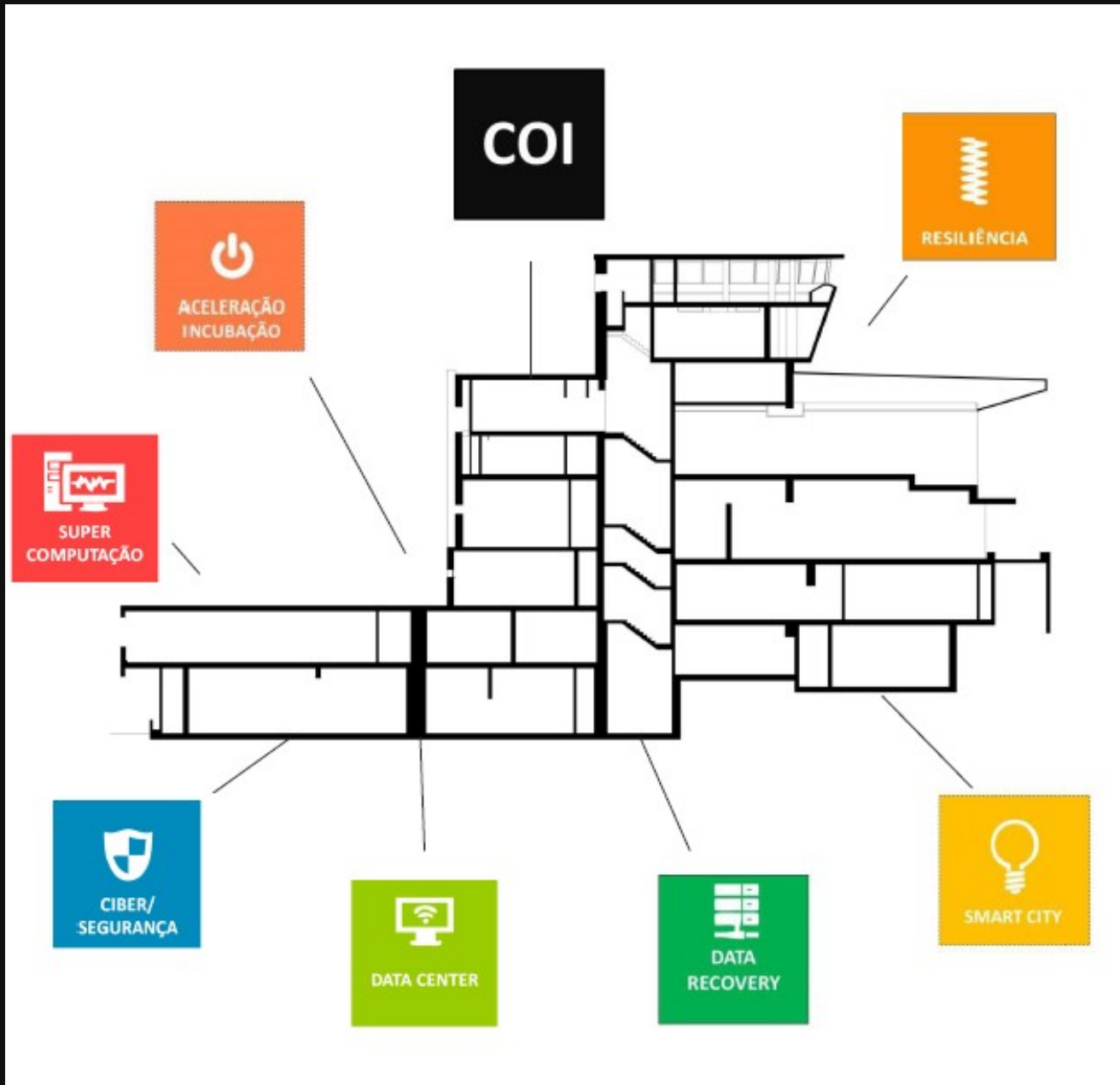
lido





# A new IT reference architecture for the smart city





## Further Ongoing Projects:

- Shift to Mobile;
- Sports Georeferenced Chart;
- Social Georeferenced Chart;
- Smart City KPI's + Dashboards;









## Lisbon City Council

27<sup>th</sup> May 2015

[www.cm-lisboa.pt/en/](http://www.cm-lisboa.pt/en/)  
Photos: Daniel Rodrigues.