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Lisboa 2 Dezembro 2015

# O QUE É UMA SMART CITY?

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(Existem centenas de definições e estratégias)

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', adoptada na Lighthouse city proposal)



## UMA PROPOSTA DE ORGANIZAÇÃO DE PROJECTOS ESTRATÉGICOS

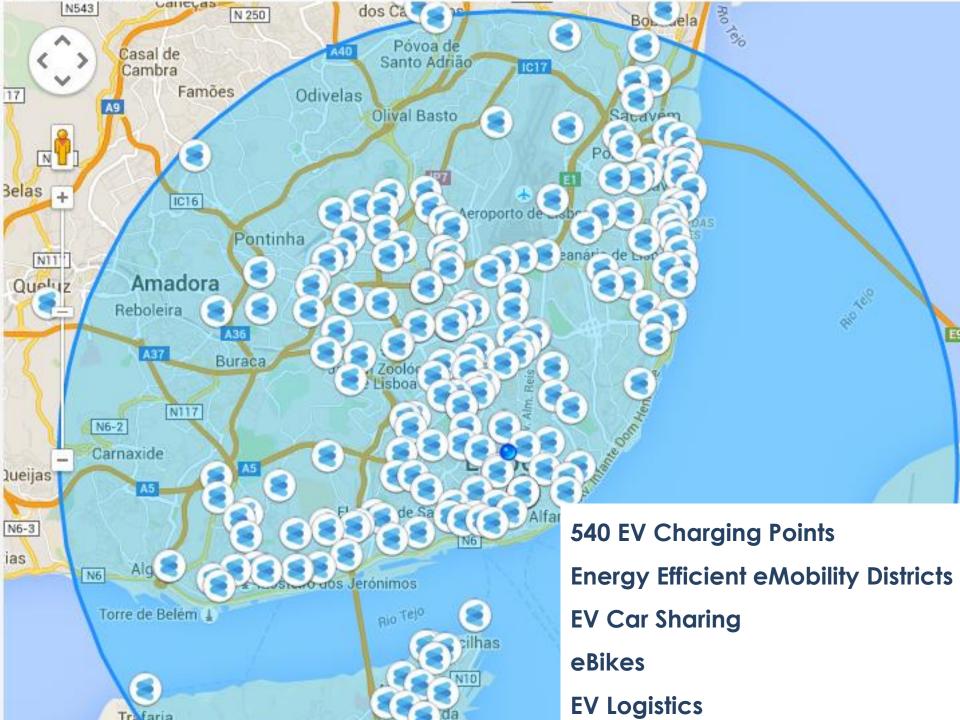


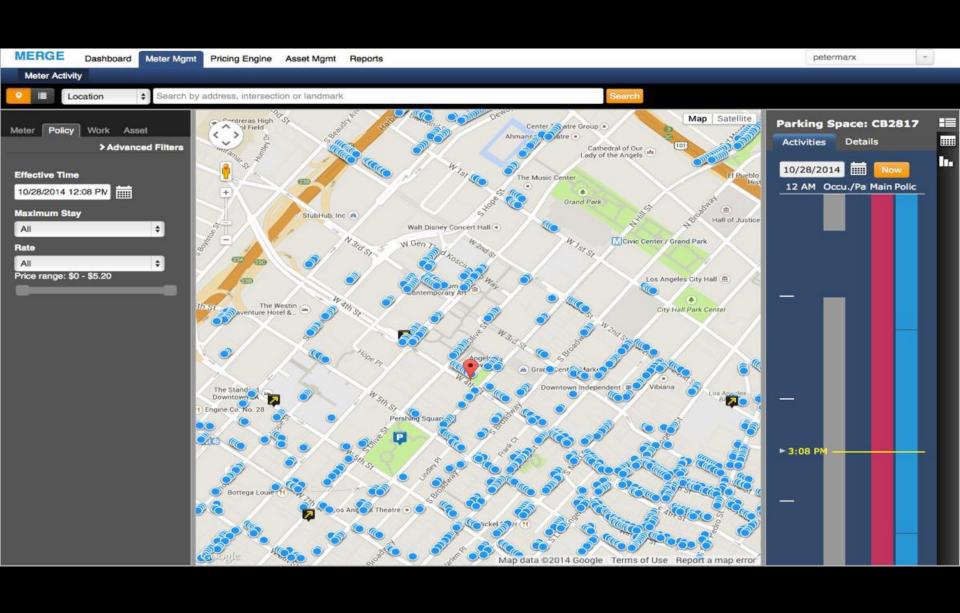
## Big Data the "New Electricity" for Smart Cities

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Where do adults taking the bus from Woodlands go to at 6 am on weekdays?





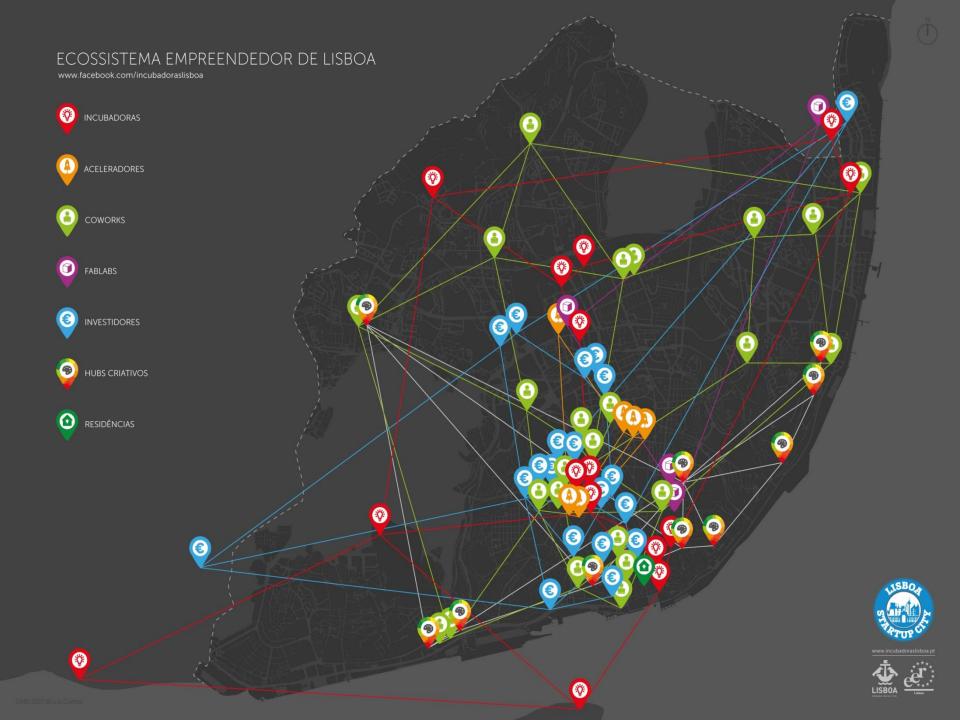




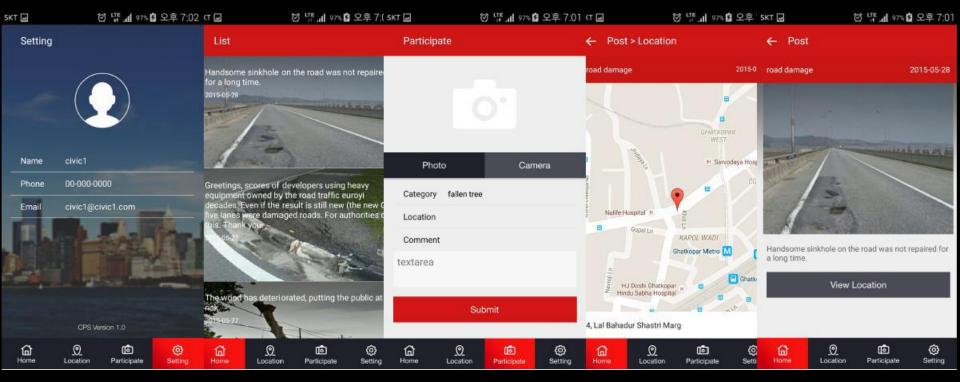
数据孤岛



## Ecossistemas e Clusters







# 'I see Bristol as a laboratory for urban change.' Mayor George Ferguson

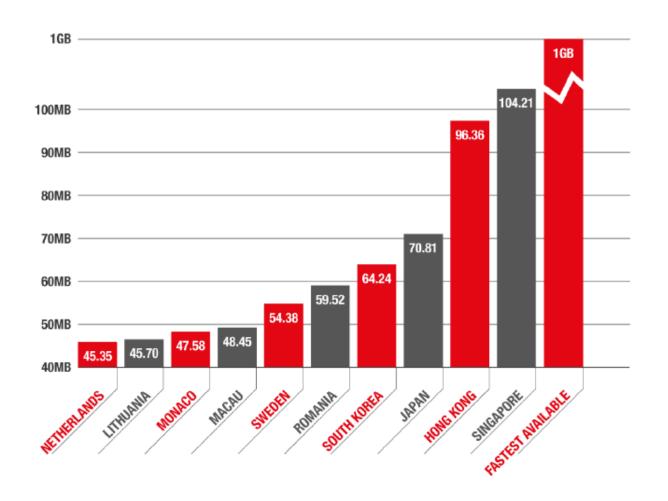
#### **BRISTOL OPEN**



- We need: a massive amount of connectivity
- Flexible, programmable infrastructure for internet of things

#### Fastest Consumer Connection Rate in the World



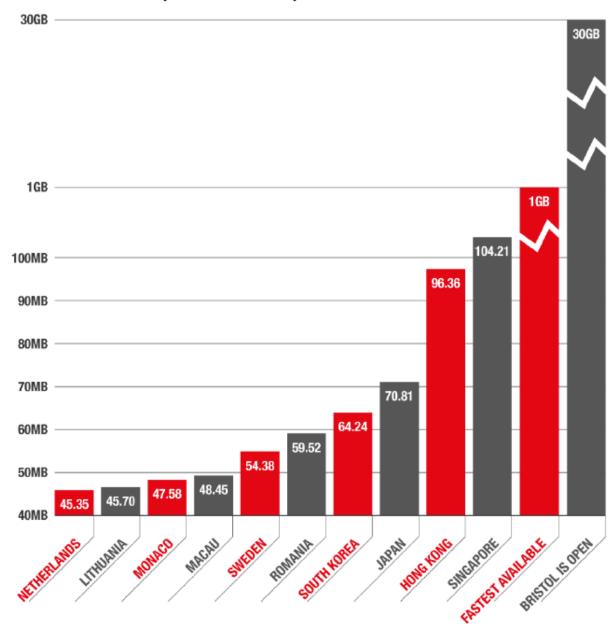


South Korea offers 1Gb connection rate to consumers

The fastest consumer rate in the UK is 152Mb

#### Connectivity for R&D partners

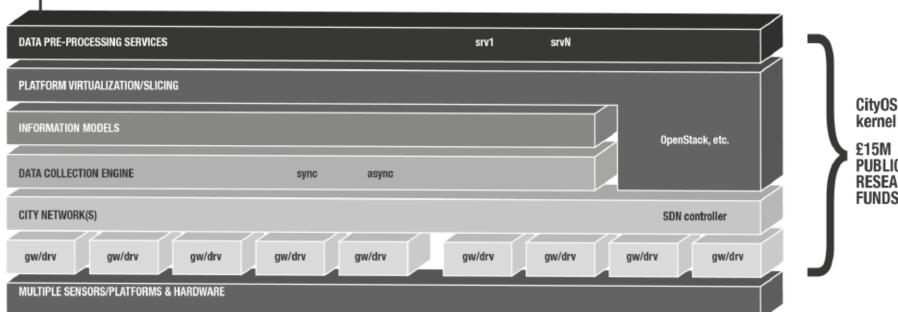




>30Gb/s of connectivity For Bristol Is Open R&D Partners

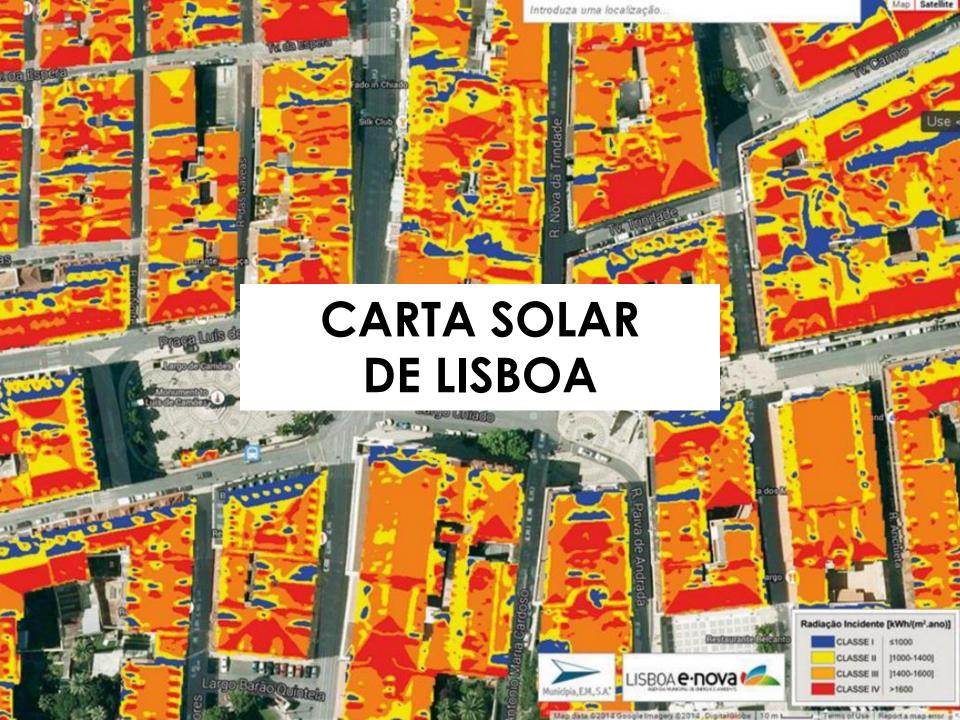


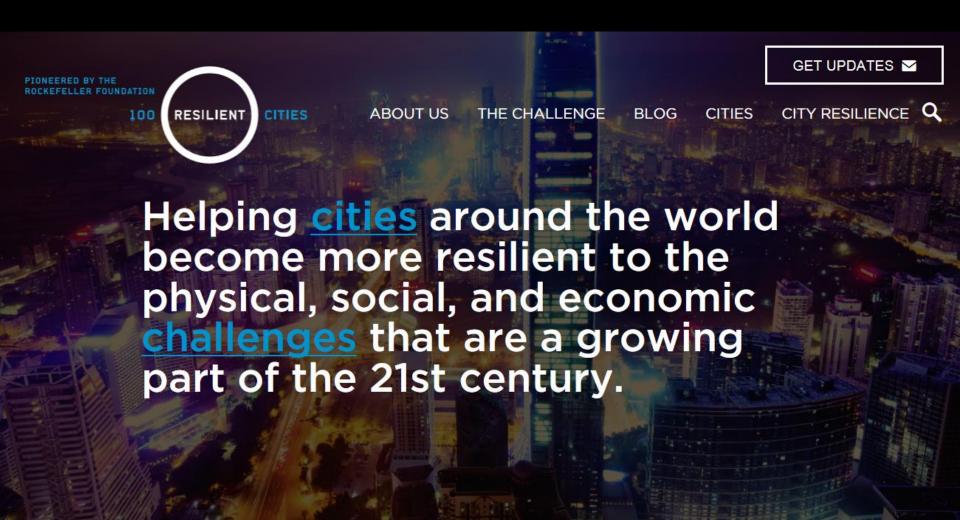
#### SOFTWARE DEFINED NETWORK CITY OPERATING SYSTEM



kernel £15M

**PUBLIC** RESEARCH **FUNDS** 









Lisboa, Western Europe's oldest city, is a major economic center for both Portugal and the rest of the continent.

However, many of the city's buildings are centuries old, and infrastructure is likewise aging. Though the city has strong technical expertise and political will to undertake upgrades, it also faces financial constraints from the global economic crisis. Urban improvement projects will be required to ensure residents have ongoing access to services, and to reduce the risk from seismic activity, which could cripple current structures and networks. The city is preparing for other threats—especially storms—by integrating response services to increase efficiency and effectiveness. But officials recognize that they have more work to do to plan effectively for larger, more severe events brought on by climate change.

#### RESILIENCE CHALLENGES

AGING INFRASTRUCTURE

DECLINING OR AGING POPULATION

**EARTHQUAKE** 

FLOODING (COASTAL AND RAINFALL)

LANDSLIDE

RISING SEA LEVEL AND COASTAL EROSION

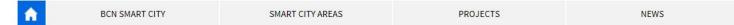
# Ambição, Estratégia e Governança das CIDADES do Futuro







#### BCN Smart City





**Smart Mobility** 

**Projects** 

News

Knowledge centre









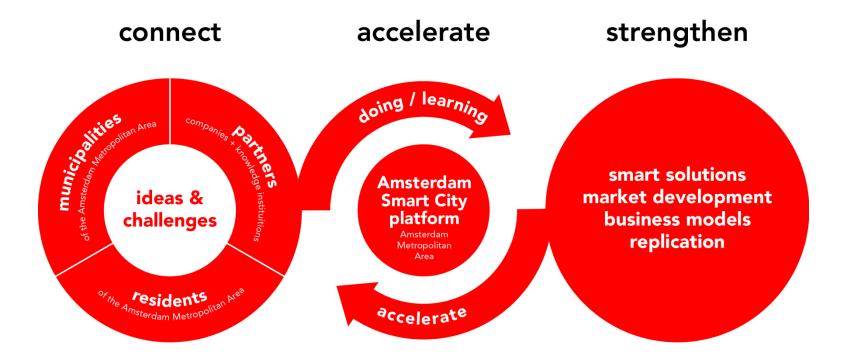












Projects

News

Knowledge centre

















**Smart Mobility** 

**Smart Living** 

**Smart Society** 

**Smart Areas** 

Smart Economy

Big & Open Data

Infrastructure

Living Labs

**Smart Mobility** 





**Smart Society** 





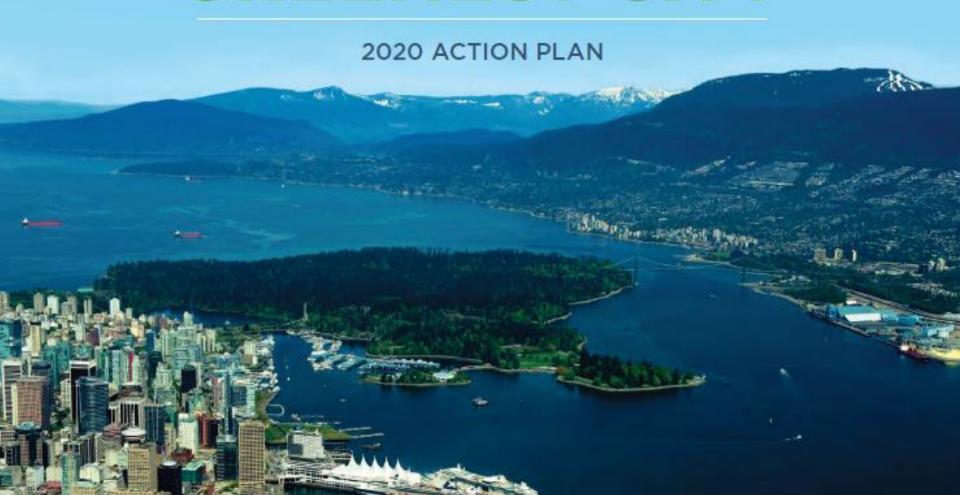


Big & open data

Infrastructure



## **GREENEST CITY**



#### **DESAFIOS**

- Uma Visão Estratégica Ambiciosa
- Uma Forte Estrutura de Governança
- Uma Estratégia Integrada com diferentes Horizontes temporais
- Áreas de maior inovação e crescimento futuro são
   Holisticas/Convergentes As cidades necessitam de ultrapassar as estruturas de Silos, verticais e pesadas.
- Confiança e Mobilização dos Cidadãos
- Contratação Pública e Resistencia à Adpção de Novos Modelos de Negócio
- Regulação & Standards
- Envolvimento e Confiança dos Investidores e das Empresas

