



Câmara Municipal
Lisboa



User Driven Open Innovation Ecosystems to go really local ... across borders

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Brussels

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LISBOA E-NOVA – LISBON’S ENERGY-ENVIRONMENT AGENCY

Contribute to Lisbon’s sustainable development through the promotion and dissemination of good practice in energy and environment.

26 Affiliates

13 Workers

6.000 Mailing list subscribers

50 Communication actions/year

25 Current projects

AFFILIATES



LISBON'S CHALLENGES FOR THE FUTURE ON BECOMING:

an international hub for world scale companies;

a pole for creativity and innovation;

a prospering atmosphere for entrepreneurs, new ideas and business;

a dynamic city for exhibitions, events and cultural activities;

a center for excellence in investigation and R&D;

an inclusive city for its citizens, fostering a cooperative environment between the local authorities and the citizen.



FIREBALL

- **The challenges:** Economic and financial crisis, citizens distrust, growing social needs, ageing population, sustainability.
- **The opportunities:** ICT, data systematization, citizens participation, social networks, renewable energies technologies in the urban environment.

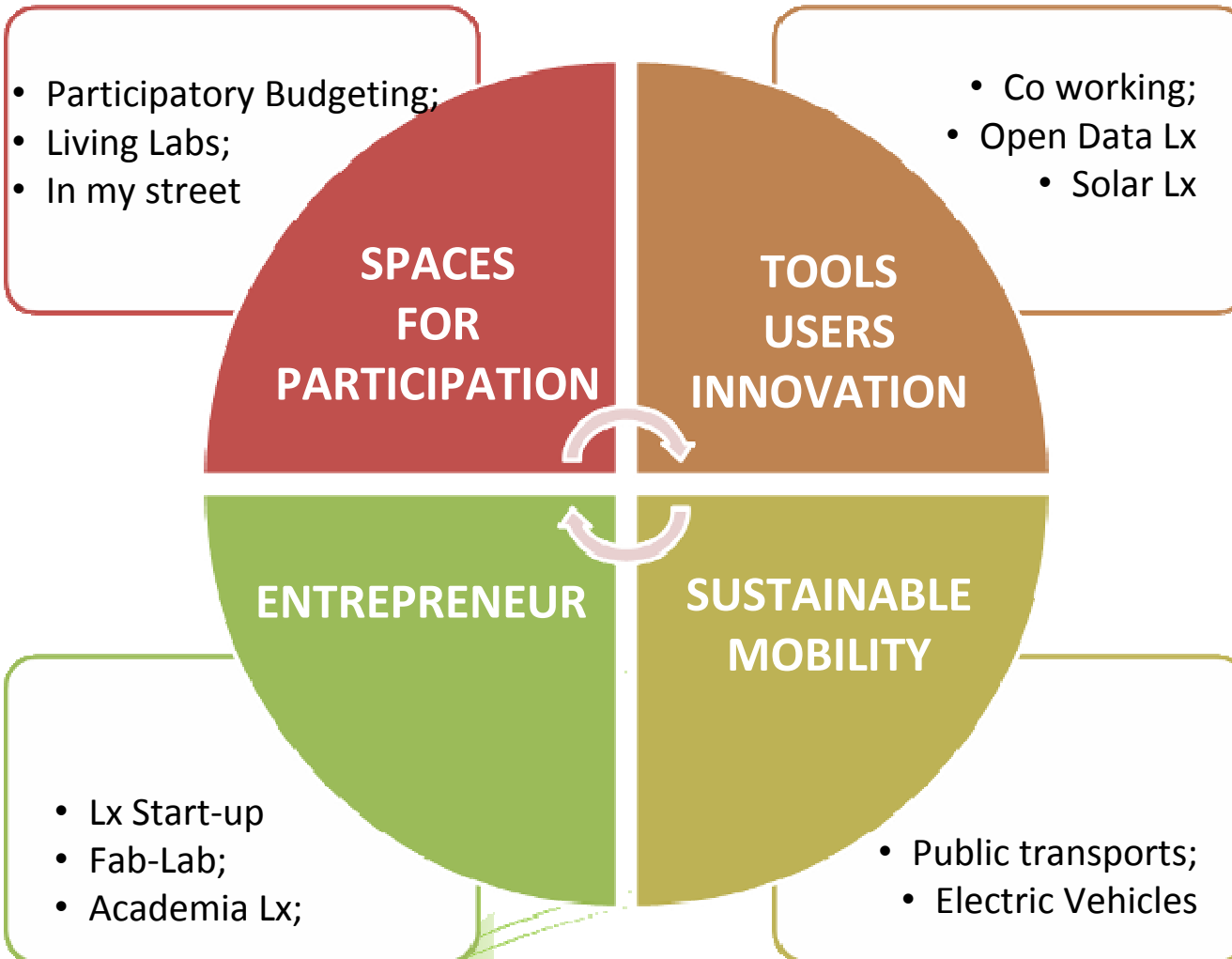
- **The goal:**

“Facilitate creativity, providing citizens, small enterprises, start-ups and civil organizations the tools needed to create, to innovate, to enable social innovation, centring the citizen as a co-producer/partner of the City”

Lisbon City Councillor Graça Fonseca

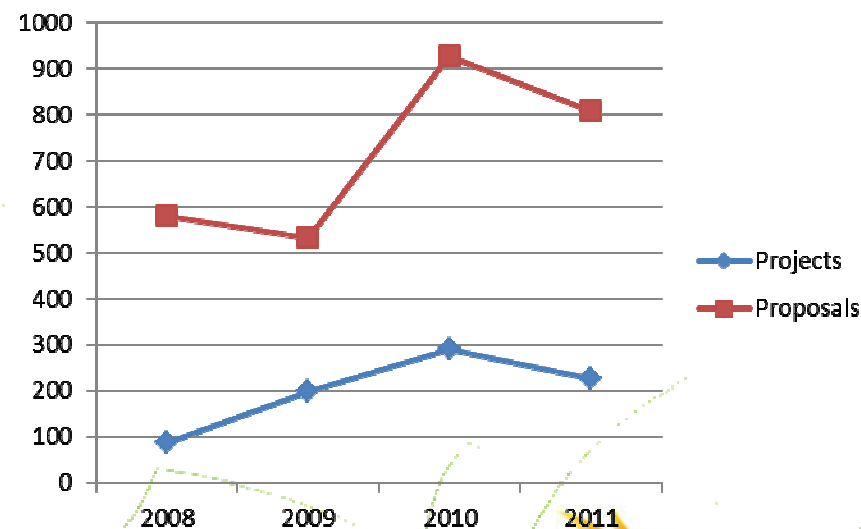
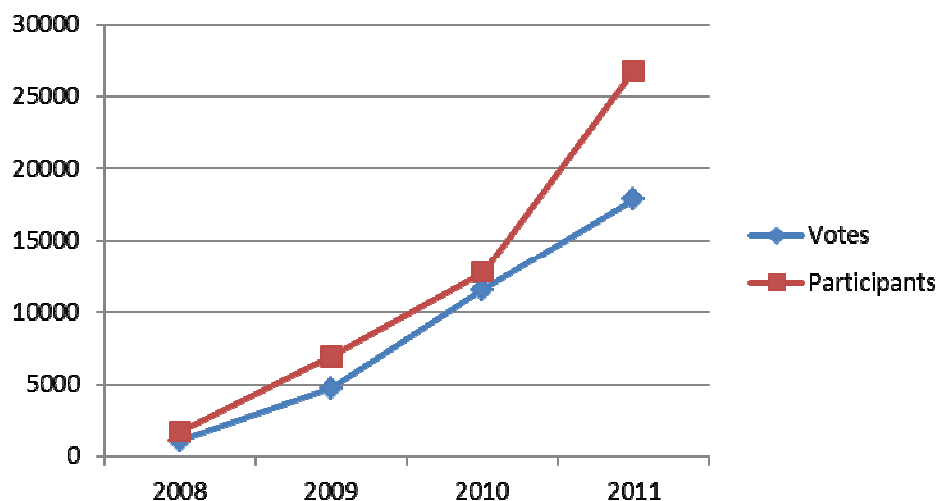
- **The pillars of action:** spaces; entrepreneurship and useful tools .





SPACES FOR PARTICIPATION

PARTICIPATORY BUDGETING



FIREBALL

SPACES FOR PARTICIPATION

LIVING LABS

Service Buildings (SAVE ENERGY)

Focused on improving buildings' energy efficiency through the analysis of static and real time data together with the building energy manager and the building users.

Residential buildings (APOLLON)

Promote energy efficiency and behaviour change through the use of smart meters and practical accompaniment towards the adoption of more energy efficient actions

RENER, by Inteli

Dynamic network of 25 national cities working together in the development of the smart grid concept associated with new renewable energy technologies. Eg. MobiE project

Creative media, by Inteli

Creative community focused on developing of novel services/products and applications in the area of "Digital Media", namely digital journalism and participatory media.

Sport Living Lab Lisboa – VIDELL, by FMH

University supported living lab aimed at exploring water sports and new business models taking the sea and river as the base for new ideas.

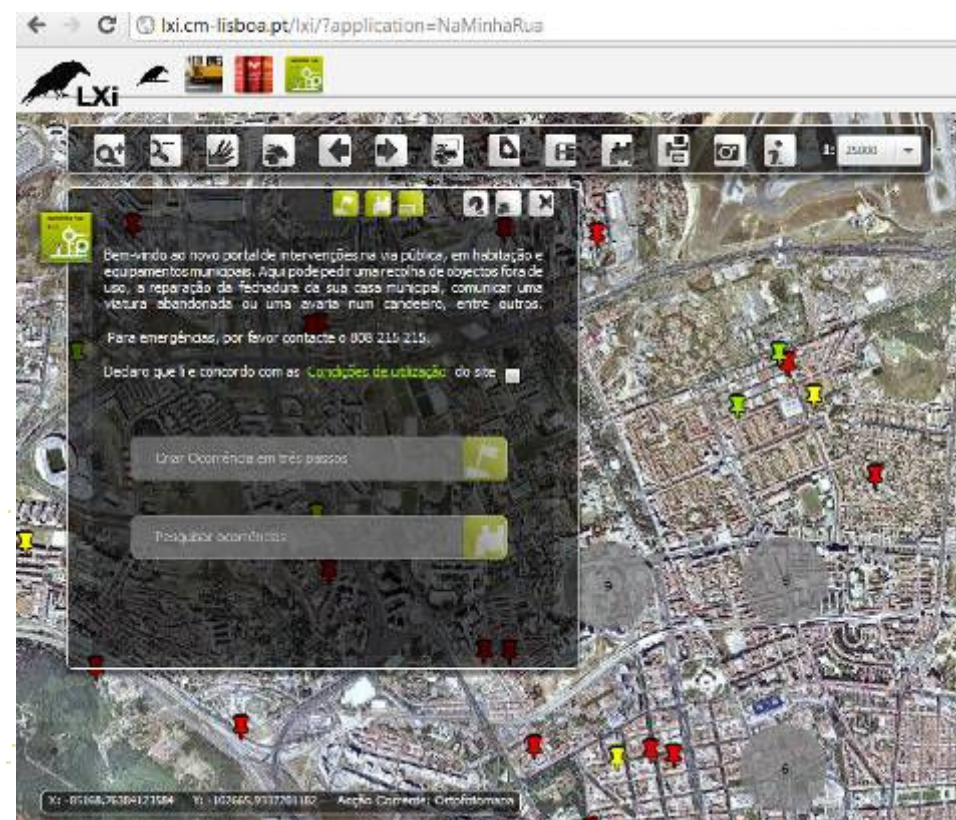


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SPACES FOR PARTICIPATION

IN MY STREET

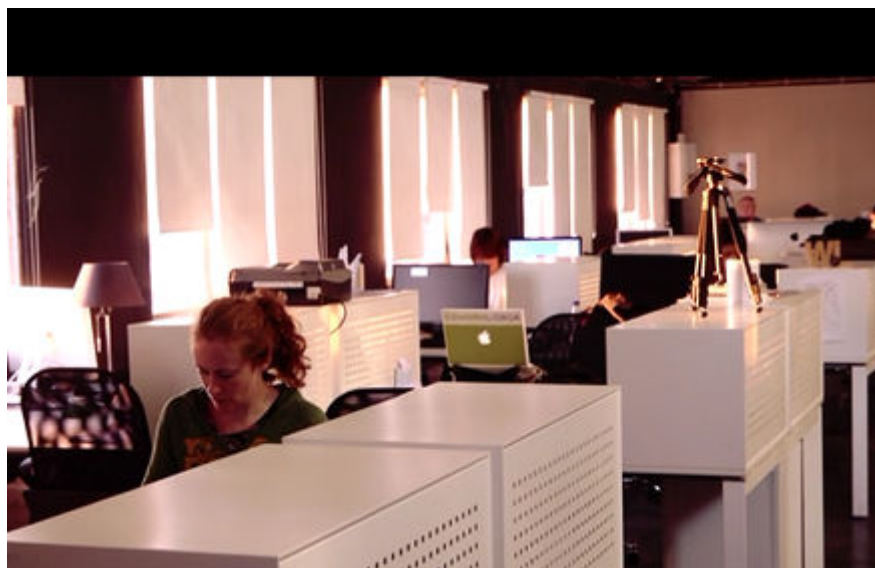
- Citizens are invited to report problems/situations that need the municipality's attention.
- The occurrences are presented to everyone in the portal, identifying their state:
 - reported,
 - analysed,
 - solved.
- Successful instrument for citizens reporting/communicating the city status and identifying gaps in the city management.



TOOLS FOR USER INNOVATION

CO-WORKING

- Growing demand and offer of spaces;
- Private and public initiative
- Individuals and Micro-companies



OPEN DATA

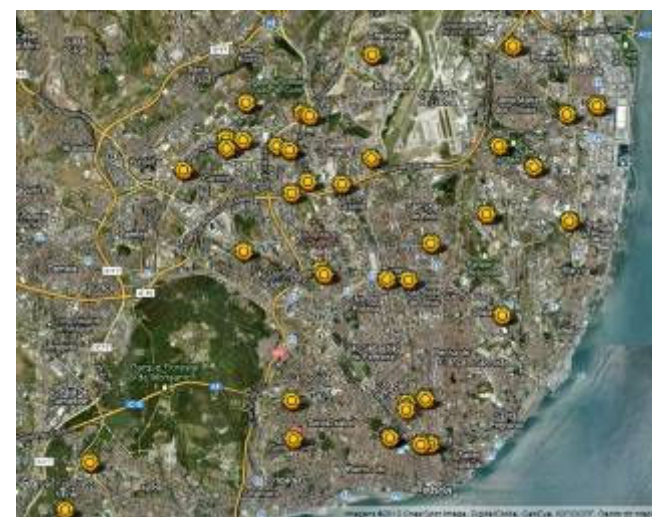
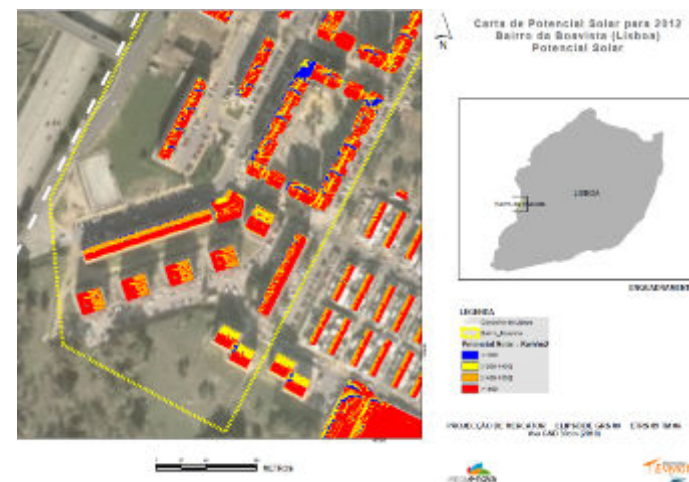
- More than 50 data collections;
- Available to the public;
- Build new services and functionalities based on the city's reality



TOOLS FOR USER INNOVATION

SOLAR LX

- Lisbon is the European capital with the highest number of sun hours;
- Evaluation of Lisbon's built patrimony solar potential;
- Presentation of the solar potential and mobilization of the best locations;
- Straighten the relation between building owners, investors and utilities;
- Monitor the performance of the existing solar systems,
- Compare potential with effective monitoring results;
- Strengthen Lisbon's efficient use of its' resources.



ENTREPRENEURSHIP

LX START UP

- Result of a proposal in the Participatory Budget of 2010;
- Opened in March 2012;
- More than 15 micro-companies are hosted by the Lx Start Up;
- Mostly in the areas of creative industry and ICT.



FIREBALL

ENTREPRENEURSHIP

LX ACADEMY



...benefit from the scientific knowledge and investigation to answer some of the questions that are addressed in Lisbon's environment, benefiting from the living environment Lisbon represents...



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ENTREPRENEURSHIP

FAB LAB

Fab Lab is a municipal initiative driven from the need to create public spaces where innovators and entrepreneurs can benefit from a low cost prototyping environment, having access to peers from different areas of action, joining efforts in the testing of virtual ideas on a small scale approach.



SUSTAINABLE MOBILITY

ELECTRIC VEHICLES

- Identification and installation of 514 charging points for electric cars in the city of Lisbon.
- The first year is free of charge!
- Interconnection with the public transports system;
- Straight connection with smart grids and bi-directional energy flux.



SUSTAINABLE MOBILITY

PUBLIC TRANSPORT

Bus timeline by the minute



Panel ao minuto



SMS ao minuto



E-mail ao minuto



Net Bus



Carsharing



FIREBALL

SUSTAINABLE MOBILITY

DEDICATED BICYCLE LANE

- Winning project from 2008 Participatory Budget;

-Started to implement in 2010;

-More than 35 km

-Dedicated services

- Bike bus;
- Apps;
- Share bicycle system;
- Tours

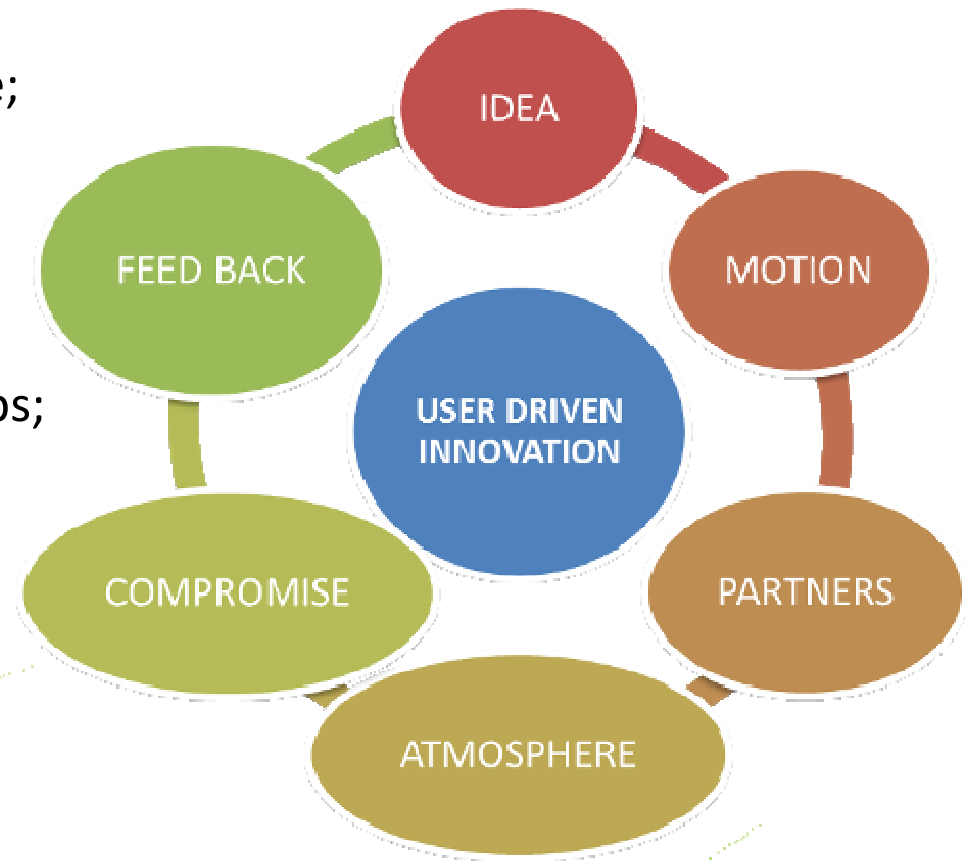


ON LISBON TOWARDS A SMART CITY: THE FORTHCOMING STEPS

- **OPEN DATA**
new partnerships for workable data
- **CO-WORKING**
a new space promoted by the Municipality in the Forno do Tijolo Market
- **FAB LAB**
real time prototyping in Forno do Tijolo Market
- **CROWDSOURCING**
social network for innovation in Lisbon
- **LISBON ACADEMY**
1st edition 2011/2012
- **LX START UP - BUSINESS INCUBATOR**
1st year of operation
- **CITY SDK**
transfer of Smart City applications from one city to another

ON LISBON'S FUTURE TOWARDS A SMART CITY REALITY

- Engage citizens – power to the people;
- Lead by example;
- Encourage social networks;
- Nurture new ventures and business;
- Promote new/improbable partnerships;
- Economics of attention: learning from experienced peers.
- Creative Economy
“Living hard and working creatively”
- Renovate, recreate and reoccupy city spaces.



Thank you for your attention



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