



Lisboa bright city, bright thinking

Diana Henriques
Lisboa E-Nova

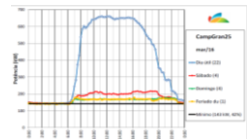
Nantes, 26th September 2016



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LISBOA E-NOVA - Lisbon's Energy and Environmental Agency

Non-profit organization operating under private Law, which seeks the sustainable development of the city of Lisbon. Has 16 Associated Members (main member Lisbon Municipality). Supported by technical and communication working components.



MAIN AREAS

- Strategy for Lisbon
- Energy efficiency /Renewables
- Smart Cities
- Education for sustainable development
- Sustainable mobility
- Efficient use of water
- Biodiversity





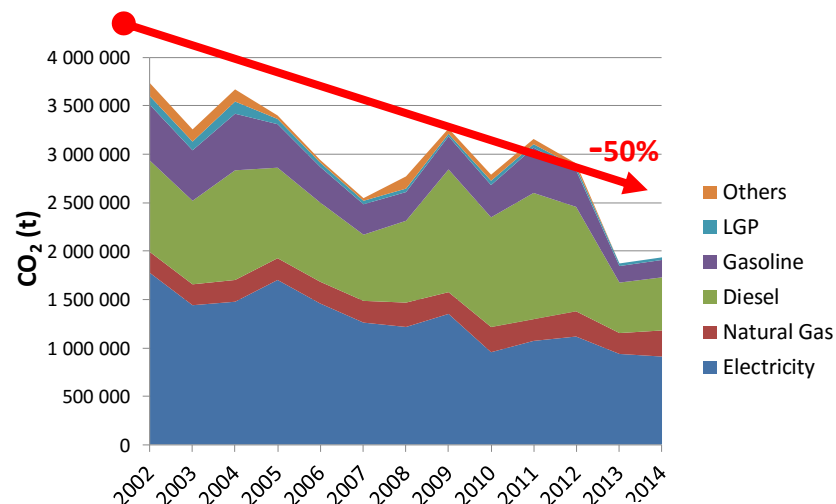
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LISBON'S MAJOR MILESTONES



ClimAdaPT.Local
Estratégias Municipais de Adaptação às Alterações Climáticas



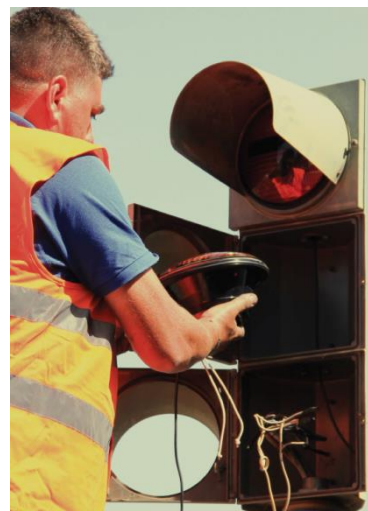
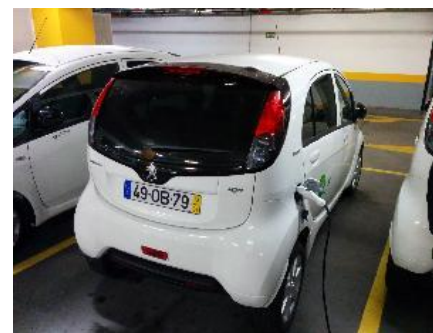
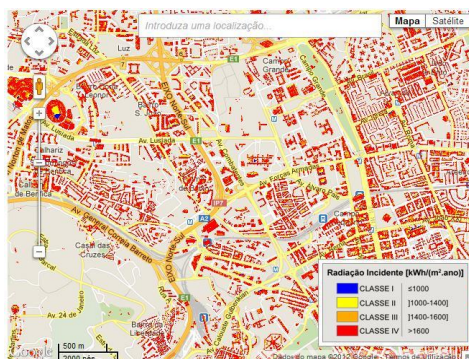
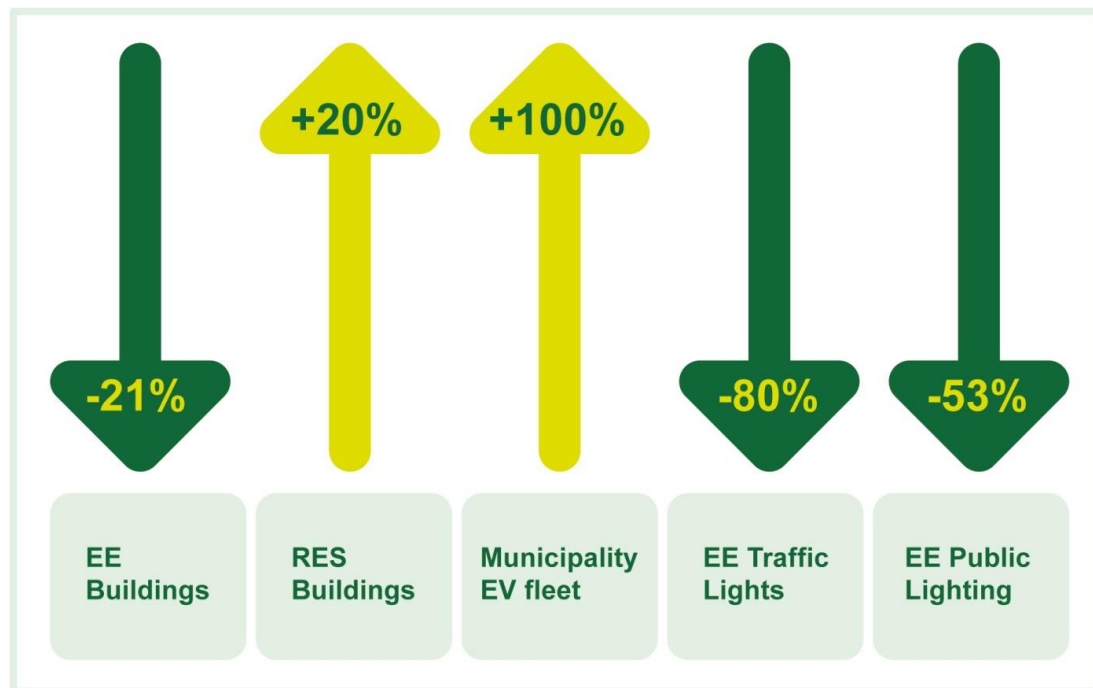


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LISBON'S 2020 GOALS

(Ref. Year 2013)





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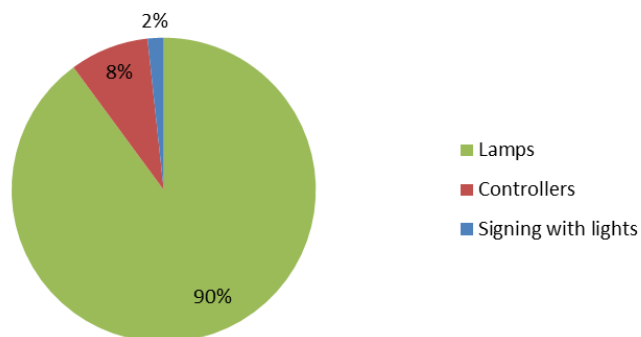
ENERGY EFFICIENCY - Traffic lights

Total conversion to LED in Lisbon

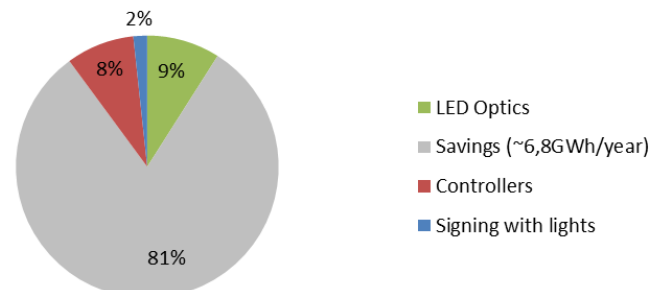
- 25.000 lamps (~100 W to ~8 W)
- Annual savings: 8 GWh;
- Life time: 11 years (vs 1 year);
- Less maintenance required;
- 1st phase: 5.000 lamps until 2014 with EE national fundings
- 2nd phase:
 - 20.000 lamps in 2015
 - Business Model: ESCO
 - Contract period 2y (until august 2017)
 - Annual savings: 0,85 M€



Semaphoric system consumption



Semaphoric system consumption (with LED)





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Thank you for your attention!

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LISBOA e-nova

AGÊNCIA DE ENERGIA E AMBIENTE DE LISBOA