



POCACITO  
european post-carbon  
cities of tomorrow

# LISBOA

## Long-term planning and commitment to a post-carbon future

Lisboa is the capital and largest city in Portugal (547,733 inhabitants - Municipality; 2,042,477 inhabitants - Metropolitan Area). Its main economic sectors are tourism, services, ICT, creative industries, health and wellness, and the maritime economy. GDP per capita is €23,389.



### Activities for climate change mitigation

Lisboa has been developing several strategies and projects to reduce energy demand and CO<sub>2</sub> emissions, namely the Energy and Environment Action Plan.

#### Target:

- Reducing CO<sub>2</sub> emissions by 40% till 2030

#### Projects:

- Electric mobility programme
- Car-sharing and bike-sharing
- Solar potential map
- Low emission zones

#### Commitments:

- Covenant of Mayors (2008)
- Mayors Adapt (2013)

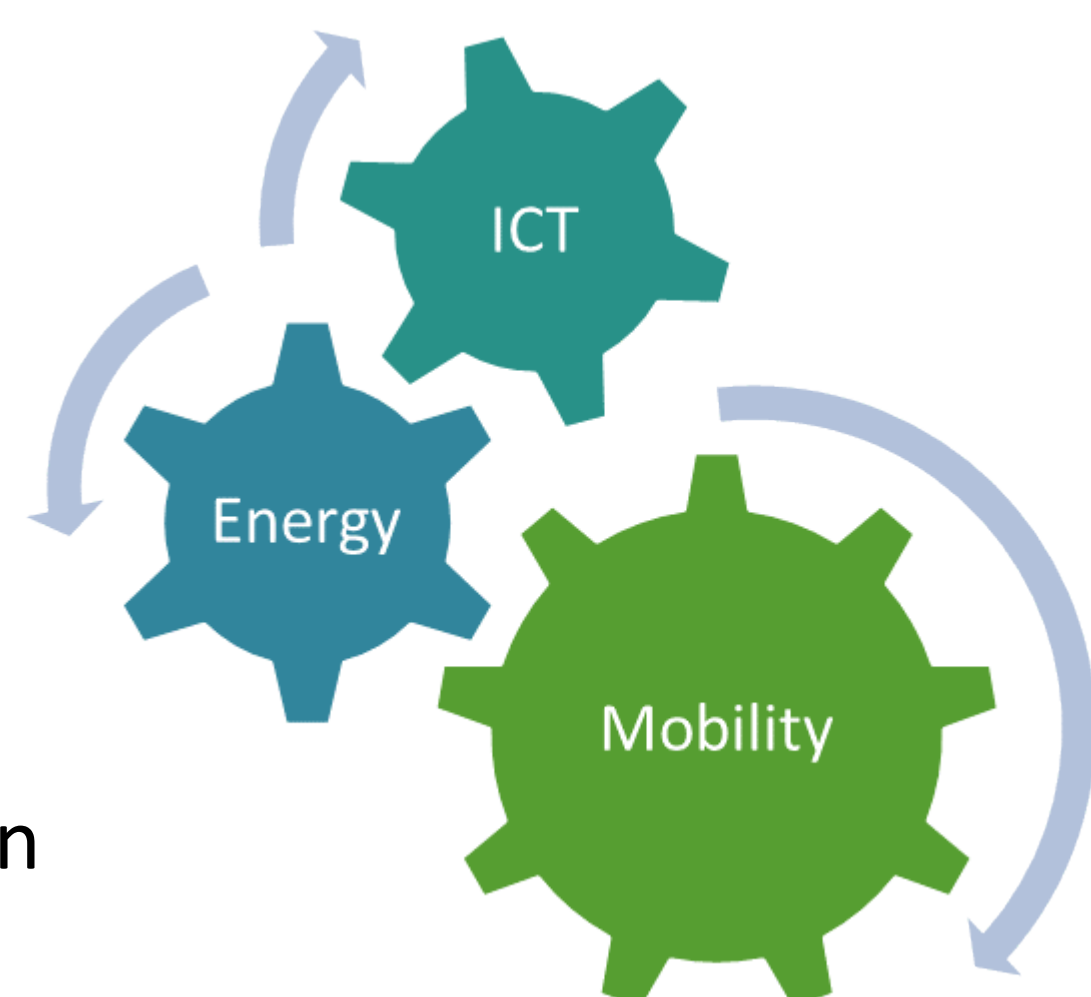


### POCACITO process in Lisboa

**VISION 2050: LISBON, A Carbon Neutral Smart City with more people, more jobs and a better quality of life.**

The POCACITO participation process was built on the following steps:

- Visioning: the local assessment and vision 'Lisbon 2050' were developed
- Backcasting: the ways and measures to reach this vision were elaborated
- Next steps: the results of the POCACITO modelling exercise and next steps in the Lisboa post-carbon process were discussed



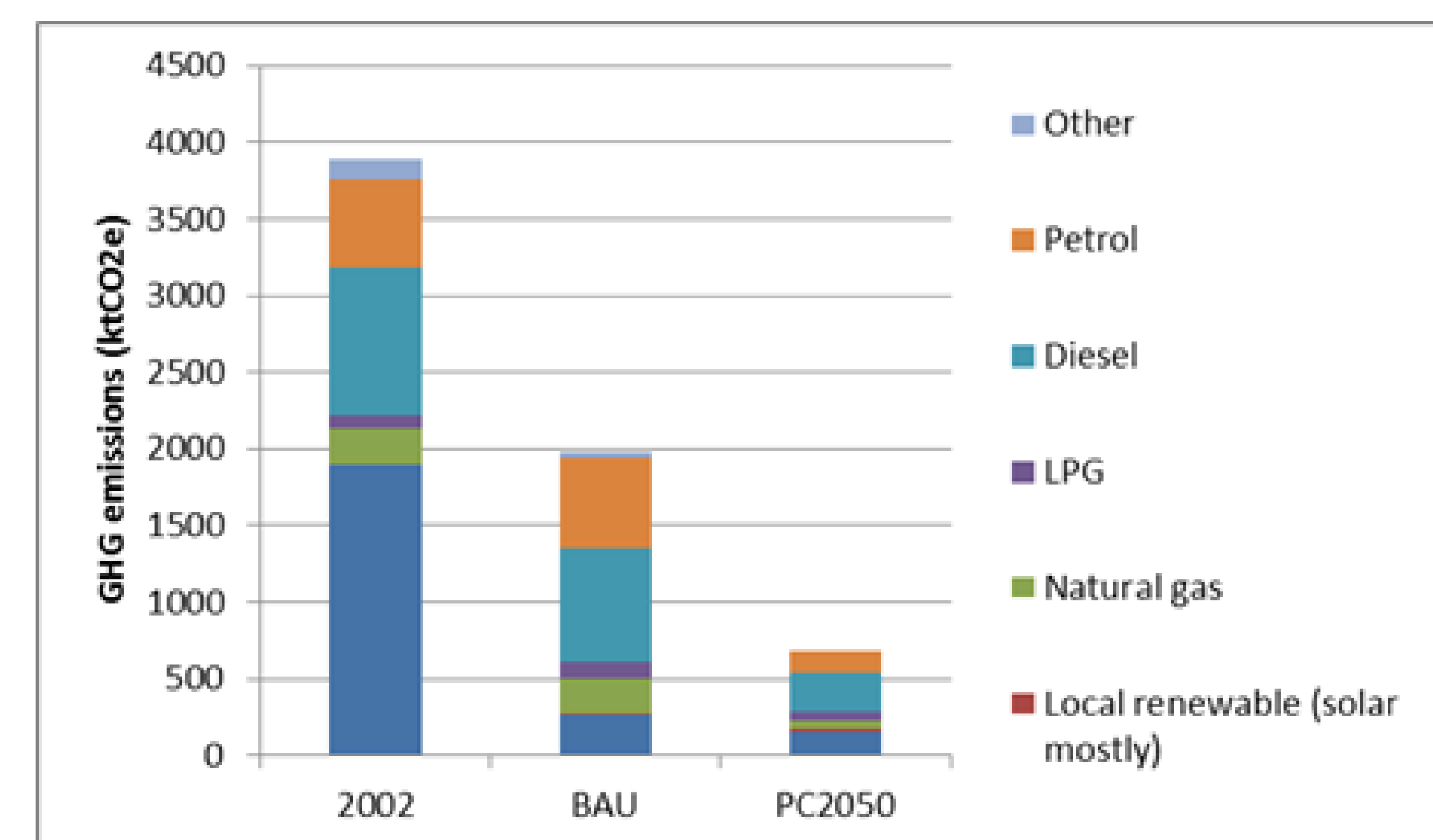
The main action fields identified were: transport and mobility, energy, climate change, resilience, urban regeneration, inclusion and attractiveness.

### Will Lisboa achieve its climate goals?

Existing and planned measures have been modelled in POCACITO under a business-as-usual (BAU) and a post-carbon 2050 scenario.

#### Some results:

- Energy consumption in the post-carbon scenario is lower than in BAU due to improvements in buildings and transport energy efficiency
- Greenhouse gas emissions show a good improvement under BAU, but a very significant reduction under the post-carbon scenario
- This is mainly due to an increased amount of local renewable energy under PC2050 (from 5.5% under BAU to 41.2% in PC2050) supported by a move to more electric transport



Greenhouse gas emissions by fuel source in the two scenarios

### Where should Lisboa act?

- Promoting sustainable mobility, nearly-zero energy buildings, and smart neighbourhoods
- Fostering a creative local economy, focused on entrepreneurship, sustainability and open governance

**POCACITO – Post-Carbon-Cities of Tomorrow – is a European research project that studies the decarbonisation of European cities. Key to the project were ten case study cities, in which participants developed a common post-carbon vision for their city in 2050.**

For further information on POCACITO, please contact: [Max.Gruenig@ecologic.eu](mailto:Max.Gruenig@ecologic.eu) and on the Lisboa case study, please contact: [catarina.s@inteli.pt](mailto:catarina.s@inteli.pt)

[www.pocacito.eu](http://www.pocacito.eu)



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