# **ENERGY PLANNING FOR LOW-CARBON CITIES:** how to reach an integrate smart city planning approach?

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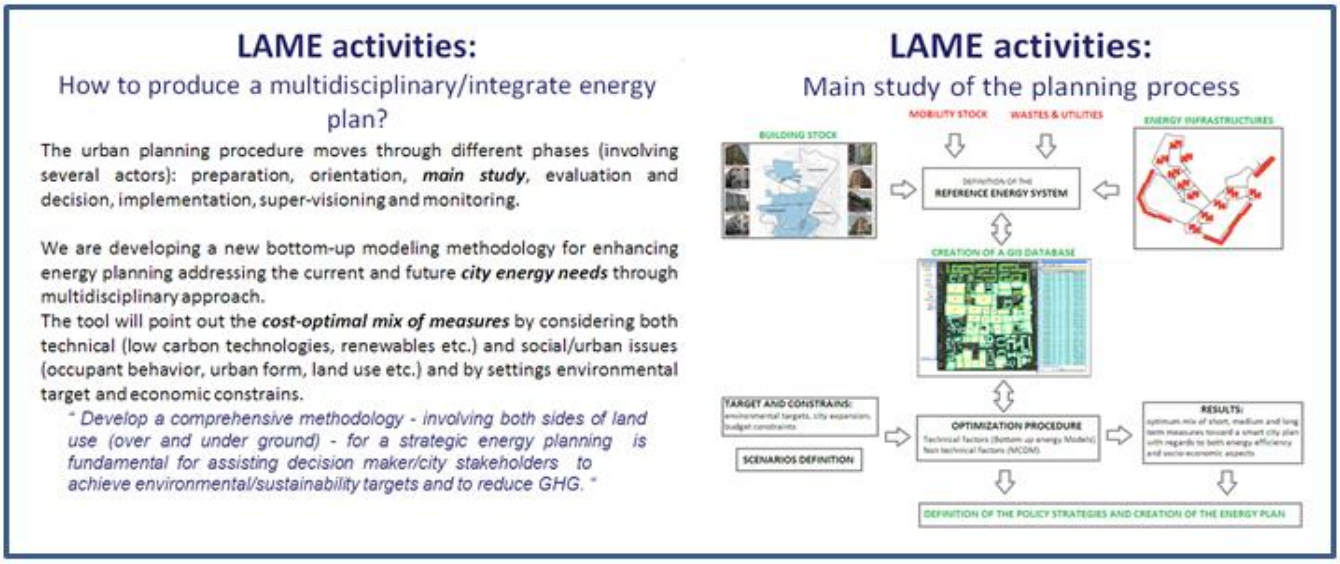
## GENERAL ISSUES

- **Megacities** suffer of scarcity of resources, pollution, traffic congestions, inadequate infrastructures. This situation creates technical, physical, and material problems
- **Cities need to change**: making a city "smart" - more efficient, sustainable, resilient, equitable, and liveable - is emerging as a strategy to mitigate the problems generated by the urban population growth and rapid urbanization:
    - *Sustainable urban mobility (low carbon vehicles, public transport, efficient logistic..);*
    - *Sustainable Districts and Built Environment (energy efficient buildings, increase the share of renewables etc.)*
    - *Integrated Infrastructures and processes across energy, ICT and transport (connecting infrastructures, smart grids etc..)*

- In order to choose the right *(environmental, social, economic)* actions one of the solution is to develop tools for simulation and multi-criteria optimisation to enable analyses of different spatial and sectorial perspectives




## OPEN POINT QUESTIONS AND PROJECT IDEAS

- Which is your concept of "smart city"?
- Which are priority actions? Which is the role of energy planning? How to deal with existing settlements?
- How to self-evaluate the results of your actions? Which are the most important "smart" indicator?

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