



POST-CARBON CITIES OF TOMORROW POCACITO

Developing an Evidence-based 2050 Roadmap for
EU Post-Carbon Cities

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EUROPEAN COMMISSION
European Research Area



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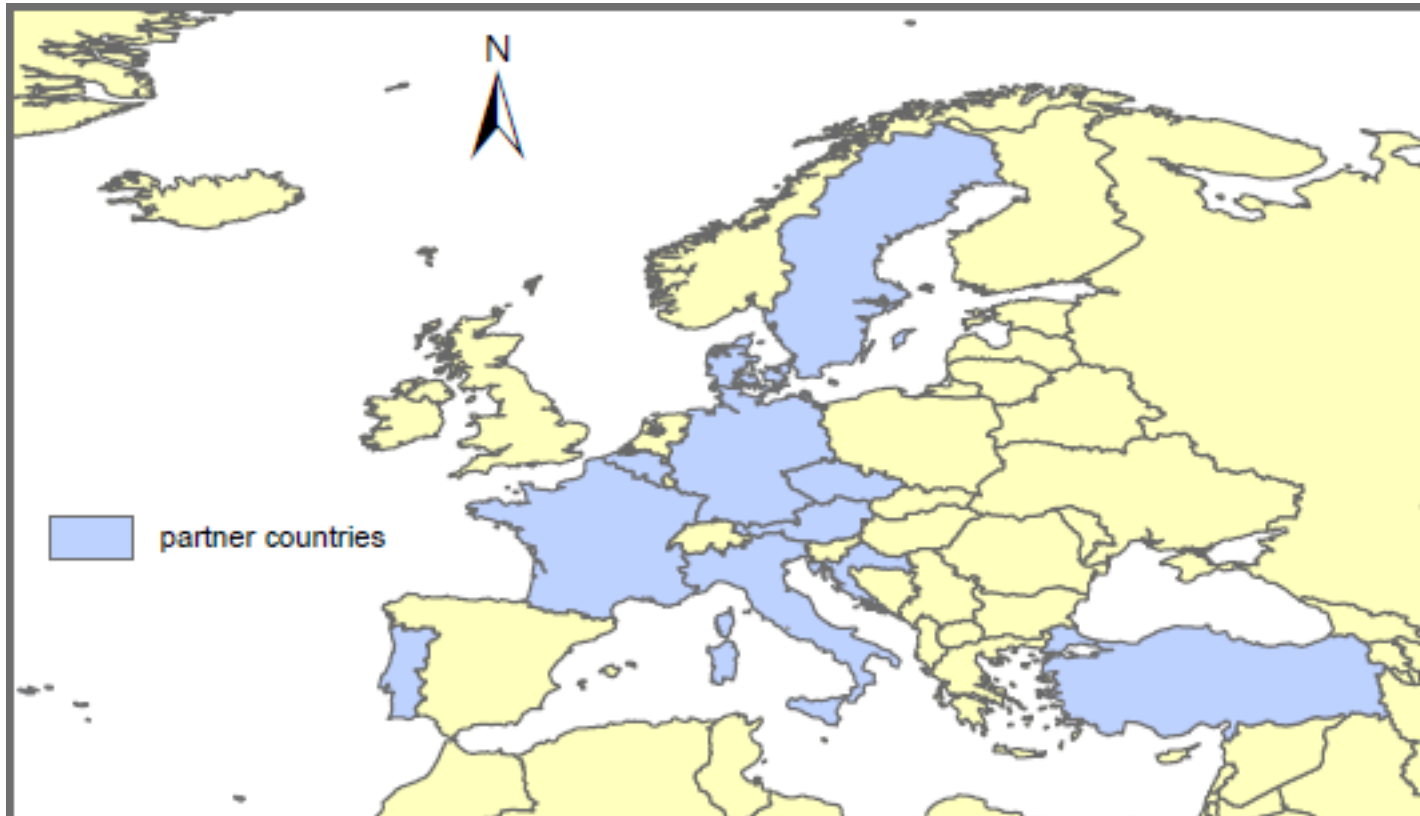


POCACITO - ABOUT THE PROJECT

- POCACITO facilitates the transition of cities to a sustainable or “post-carbon” economic model.
- We are an EU-funded research project
- Starting January 2014, ending December 2015
- 13 partners from 11 countries, lead by Ecologic Institute, <http://www.ecologic.eu/>
- Activities in Europe, China, Brazil and globally
- Follow us:
 - <http://pocacito.eu/>
 - <https://twitter.com/EUCities>



POCACITO PARTNERS IN EUROPE





CASE STUDIES

Cities	Partner
Offenburg, Germany	Ecologic Institute
Milan / Turin, Italy	FEEM/POLITO
Zagreb, Croatia	UNDP
Lisbon, Portugal	INTELI
Barcelona, Spain	Center for Eur. Policy Studies
Istanbul, Turkey	Istanbul Technical Univ.
Copenhagen, Denmark /Malmö, Sweden	Aarhus University, IVL
Litomerice, Czech Republic	Carl's University



POST-CARBON CITIES

- The term “post-carbon city” refers to the **process** of becoming a more *sustainable, liveable* and *competitive* city that responds to the multiple challenges (and trade-offs) of climate change, ecosystem degradation, and social equity for current and future generations. The concept of a post-carbon city **breaks away** from a carbon-dependent urban system and establishes a new model of cities (Boulianne and Tabaka 2011).



VISION-BUILDING

- Participatory approach with local stakeholders and citizens (5 local workshops per case study city)
- Qualitative-quantitative approach with storylines translated into indicator values
- Evidence-based impact assessment building on common set of Key Performance Indicators
- ***Resulting in local post-carbon city roadmaps***

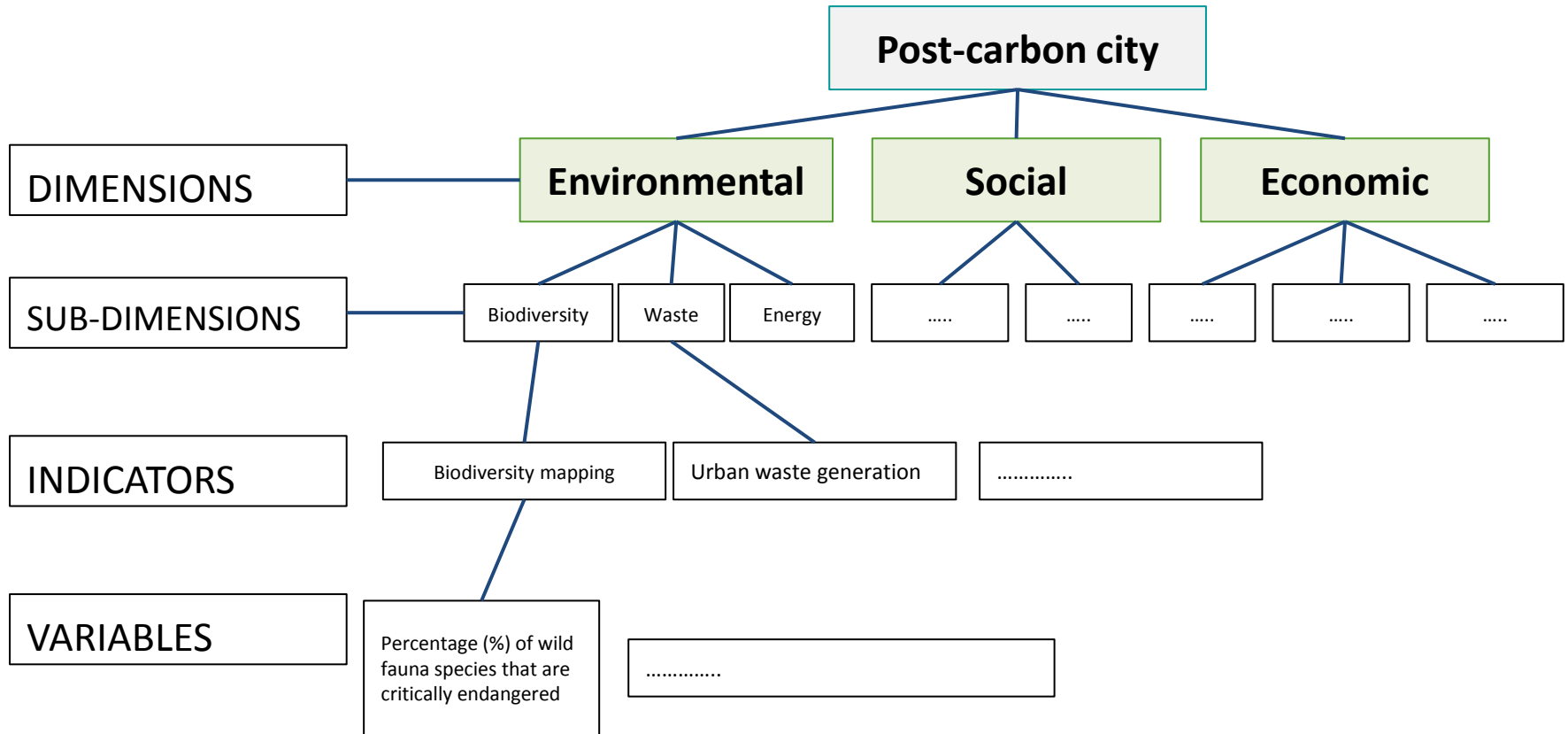


VISION VS. FORECAST

- not about predicting the future
- not about prescribing specific measures and policies
- but guiding cities in their planning process
- allowing for sufficient flexibility and fluidity to react to external changes and changes in preferences
- the main aim being a balance between three dimensions:
 - environment
 - social aspects
 - economy



WORKFLOW





ENVIRONMENTAL SUSTAINABILITY

- Low GHG emissions
- Low air, water, noise and light pollution
- High resource efficiency
- Share of renewable energy sources
- Waste generation and recycling rates



SOCIAL SUSTAINABILITY

- Low inequality (Gini, people at risk of poverty)
- Low unemployment rates (i.e. youth, elderly)
- Low crime rates
- Good health standards and services
- High education standards
- Mobility (congestion, miles per day per person)
- Liveability (green space per person, culture services)



A STRONG ECONOMY

- Financial stability (public debt, public deficit)
- Urban GDP
- Energy Efficiency (by sector)
- Innovation (patents, investment in R&D, venture capital as % of GDP)
- skills gaps



NOT JUST EU, NOT JUST EUROPE

- Interactive Global Marketplace with
 - list of 100 global leading cities
 - inventory of 100 best practices in leading cities
 - typology of post-carbon cities
- Not just the usual set of cities
 - former coal-mining cities
 - heavy industry cities
 - declining populations
 - remote locations



GLOBAL MARKETPLACE

- online
 - interactive database
 - webinars
 - discussion forum / blackboard
- offline
 - study tours to leading cities
 - attending final conference
 - local workshops in China and Brazil
 - outreach events in other countries (e.g. today)



LIVING LAB

- bottom-up adaptive planning process
- stakeholders and practitioners as drivers of project
- research as process guide and partner
- understanding different needs and constraints
 - best practices cannot be transferred one to one
 - local anchoring is essential
 - not everybody ends up at the same vision
 - there is no single post-carbon city vision, but many
 - not being prescriptive or prejudiced



MUTUAL LEARNING

- What are the benefits of a vision? Why not just do?
 - A vision provides a reference frame and can bring various stakeholders together
- If best practices cannot be easily transferred, then why collect them?
 - Drivers and barriers can be identified and support post-carbon processes in other cities
- There are already many urban networks, do you want to add one more?
 - POCACITO will link closely with existing networks.



EXPECTED IMPACTS

- assisting local policy makers and stakeholders in initiating a process towards post-carbon cities
- connecting urban stakeholders
 - locally – within the case study cities
 - in Europe – activities in Brussels and exchange between case study cities
 - globally – online marketplace, study tours, local workshops and final conference
- advancing user-oriented performance indicators
- mutual learning – horizontally and vertically



THANK YOU.

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