

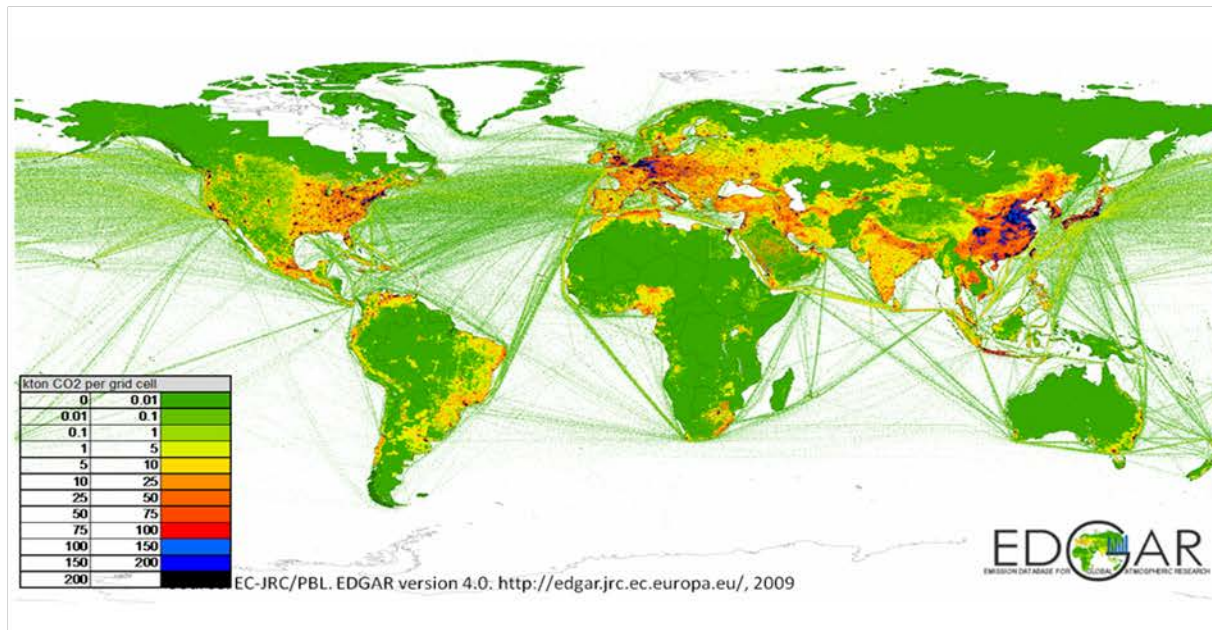


A service dedicated to
Improve GHG emissions
from cities



Why Carbocount City?

- According to the UN, in 2050 urban areas will concentrate almost **¾ of world population**
- Megacities are responsible for **80%** of the human-caused emissions of CO₂
- Significant emissions of CH₄ have been found in cities, coming from unsuspected natural gas leakage



Need to design and measure the effectiveness of concrete and local GHG mitigation action



Why Carbocount City?





Service scope

- **Customers and users:** *cities governments and inventory agencies* (with the mandatory obligation to establish and report emission data)
- **Objective:** set up the demonstrator of a *service for improving estimates of GHG emissions of cities*
- **Product:** verified *improved emission maps of CO₂ (and CH₄)* with sectorial attribution and uncertainty estimates.
- **Duration:** Innovation project, 3 years

Complements and improves existing bottom-up inventories



Service methodology

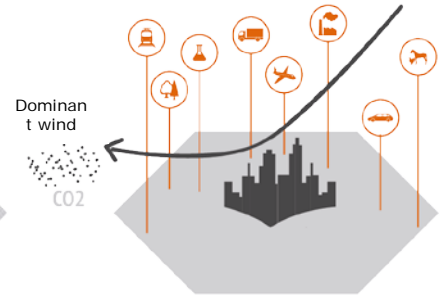
-1-

An urban area



-2-

With characteristics



-3-

[CO2] measurement and CarboCount City modeling



-4-

Emission map with high-resolution and sectorial attribution



Better visibility and knowledge on the city context



Action tool for analysis and consulting



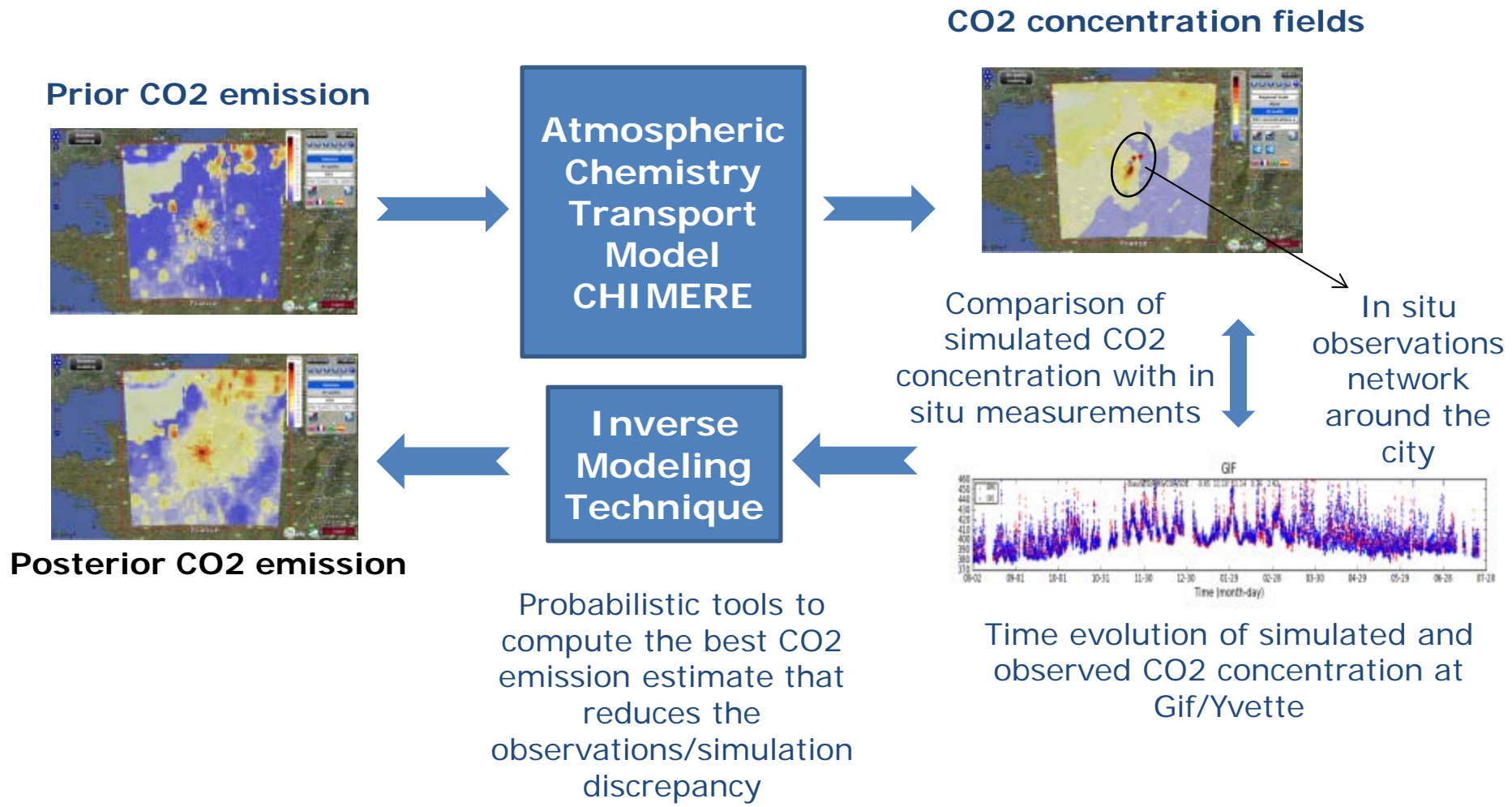
Policy-maker decision tool

Recife
Paris
Rotterdam
Shenzhen

Wuhan
Other cities in Latin America



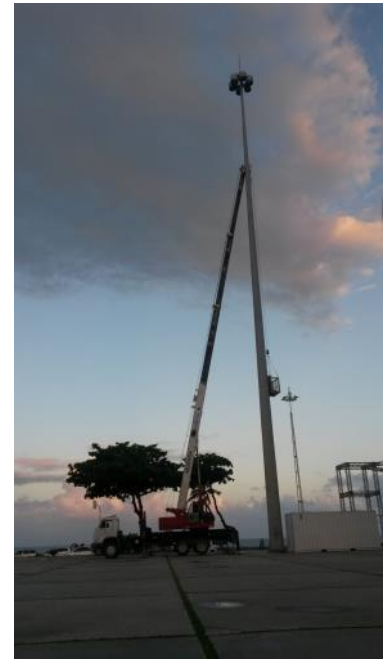
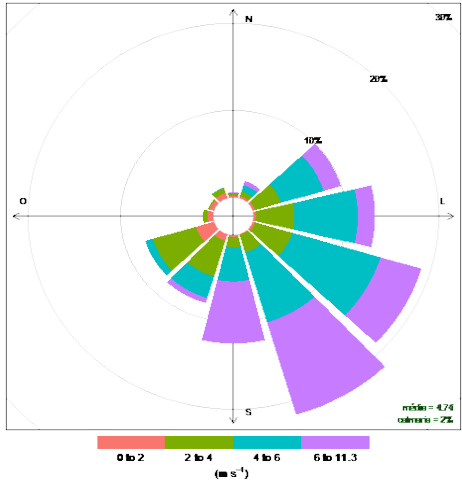
Service methodology





In Recife

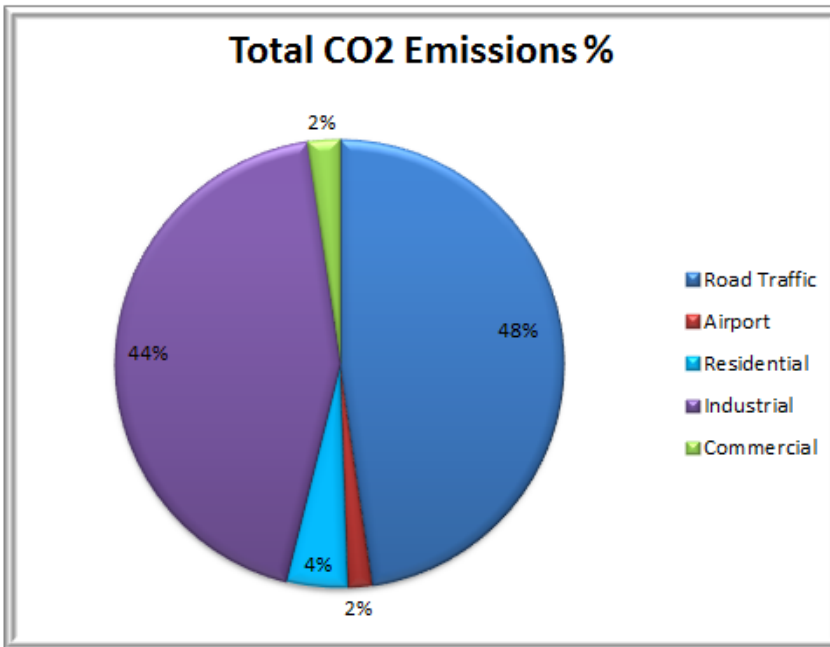
Rosa dos ventos - estação Recife (A301) - 2010



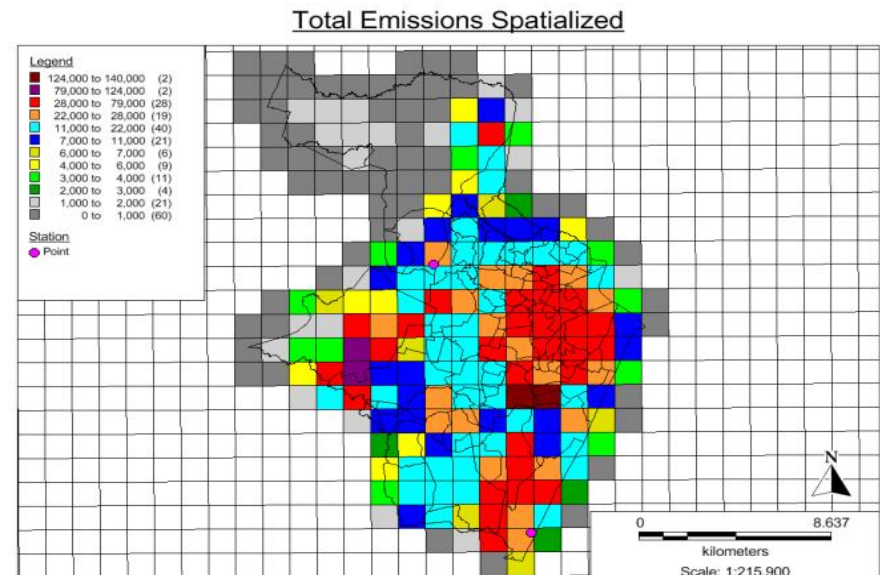
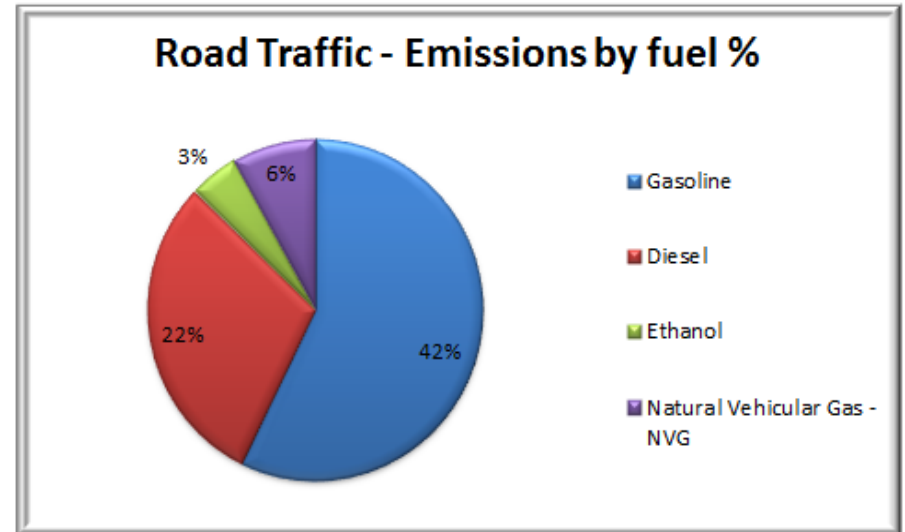


Inventory results

- The total CO₂ emissions in the year of 2014 in Recife City: **3.541.340 tCO₂**.



- Mobile Sources**



Still to come: modeling and website...