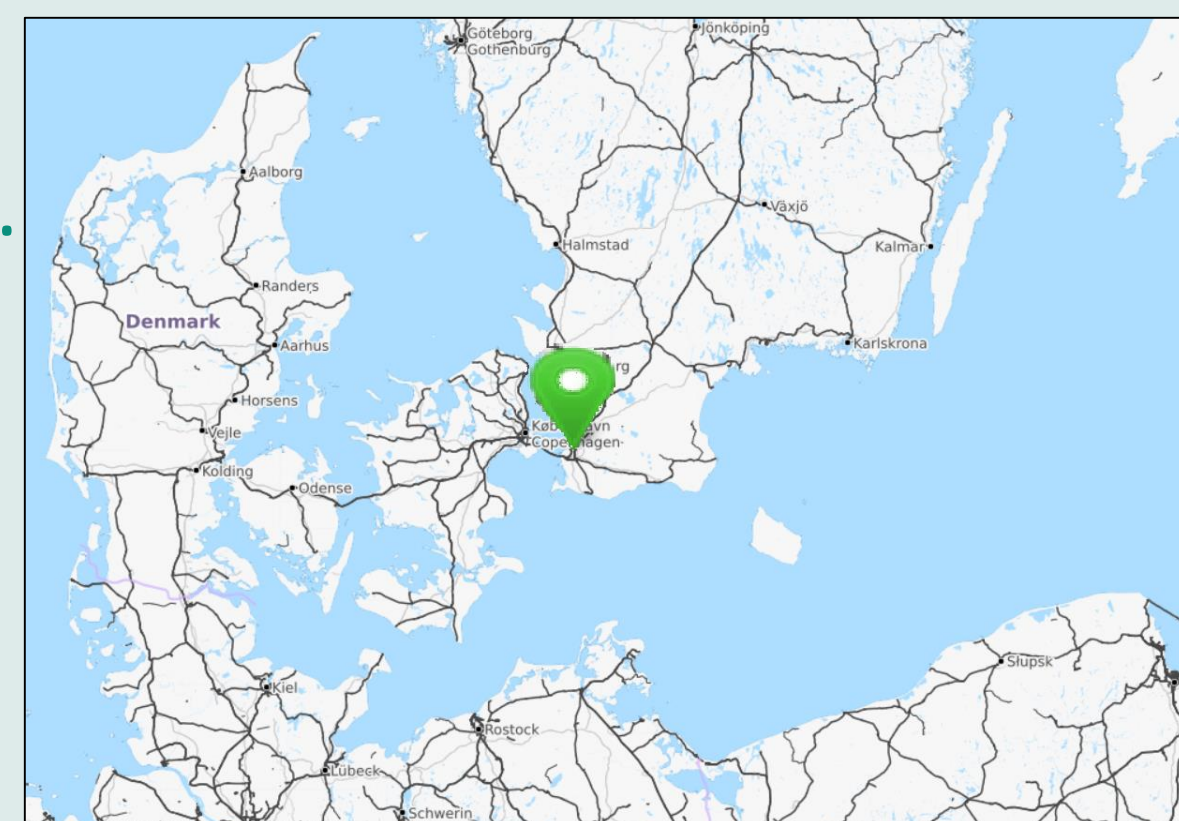




MALMÖ

Changing habits and creating a circular economy is the key to successful climate mitigation

Malmö is a medium-sized city (313,000 inhabitants) on the south coast of Sweden. From previously relying on industry as the main economic sector, Malmö today relies on the service sector, which accounts for nearly 80% of GDP. GDP/capita is €45,400.



Activities for climate change mitigation

The main activities for climate change mitigation in Malmö are set out in several documents, including the city's energy strategy and the traffic programme. The energy strategy is currently being revised.

Objectives, energy strategy:

- 100% renewable energy system by 2030
- 30% decrease in energy use among city companies and administration by 2020 compared to 2005

Objectives, traffic programme:

- Climate emissions reduction by 20% from 1990-2017
- Maximum 30% of all travel and half the commuting into the city is done by car in 2030

POCACITO process in Malmö

The city is dense, green and diverse and used around the clock.

One of the visions at the POCACITO Workshop



Participants presenting their vision for Malmö in 2050

The POCACITO participation process built on these ongoing activities. Two workshops were held:

- Visioning: three visions for 'Malmö 2050' were developed.
- Backcasting: obstacles and opportunities on the path to these visions were elaborated.

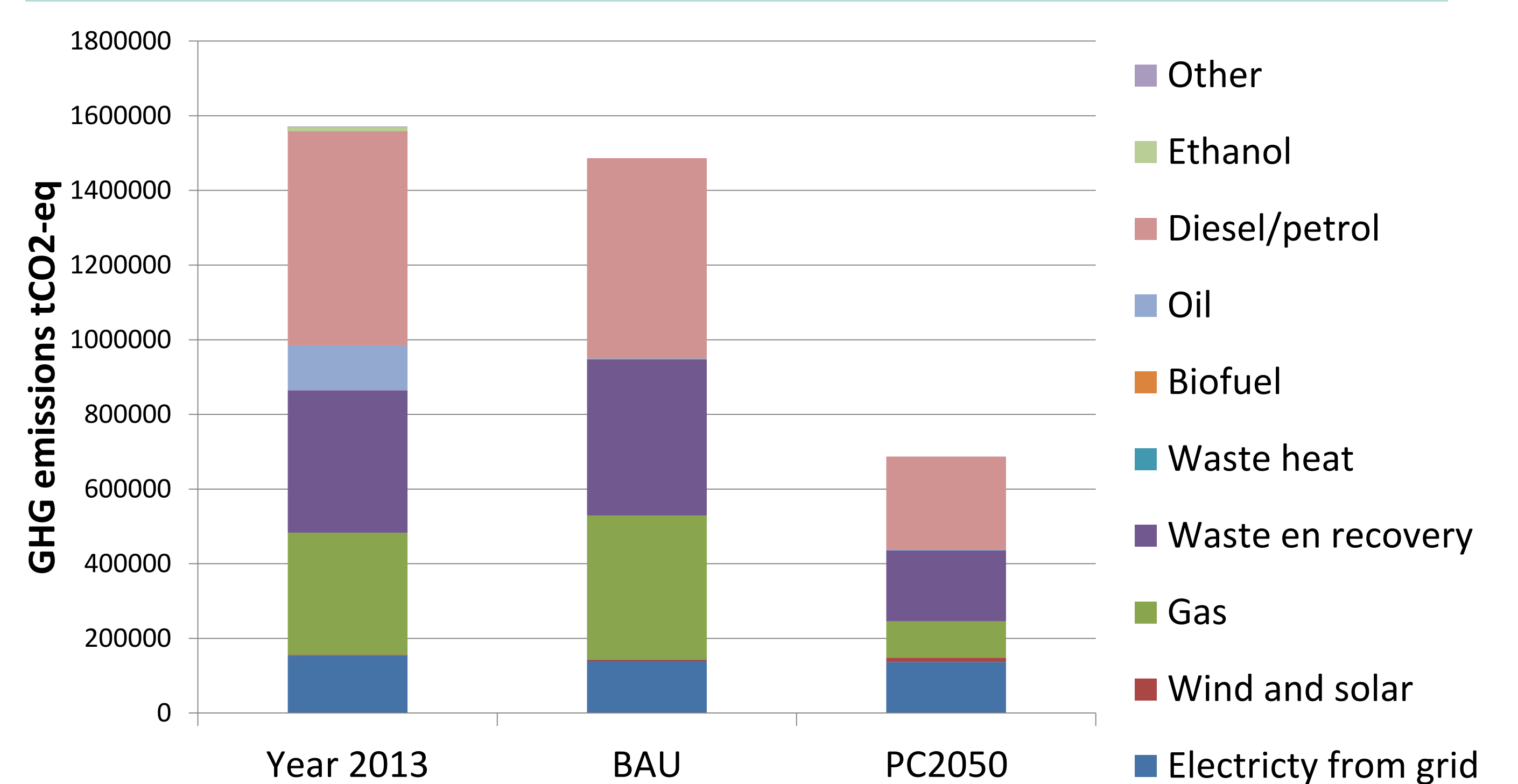
The most critical aspects identified during the workshops were: segregation of housing and inequality, the balance between urban development, green space and agriculture, and the distribution between different transportation modes, where current projections show a future increase in car use.

Will Malmö achieve its climate goals?

Existing and planned measures have been modelled in POCACITO, using business-as-usual (BAU) and post-carbon 2050 scenarios.

Some results:

- Energy consumption in both the BAU and the post-carbon scenario is slightly higher than today
- Greenhouse gas emissions are 3.0 tCO₂e /capita under BAU and 1.4 tCO₂e/capita in the post-carbon scenario; Malmö is thus falling short of post-carbon status
- Increasing consumption outweighs efficiency improvements in the underlying production systems



Greenhouse gas emissions per energy source for 2013, BAU 2050 and post-carbon 2050

Next steps for Malmö!

- Critical to address lifestyles and consumption and promote a more circular economy
- Address energy efficiency measures to ease the transition to a local and renewable energy system

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

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