



# CLIMATE PROGRAMME FOR GOTHENBURG

**"IN 2050 GOTHENBURG HAS A SUSTAINABLE AND  
EQUITABLE LEVEL OF GREENHOUSE GAS EMISSIONS"**

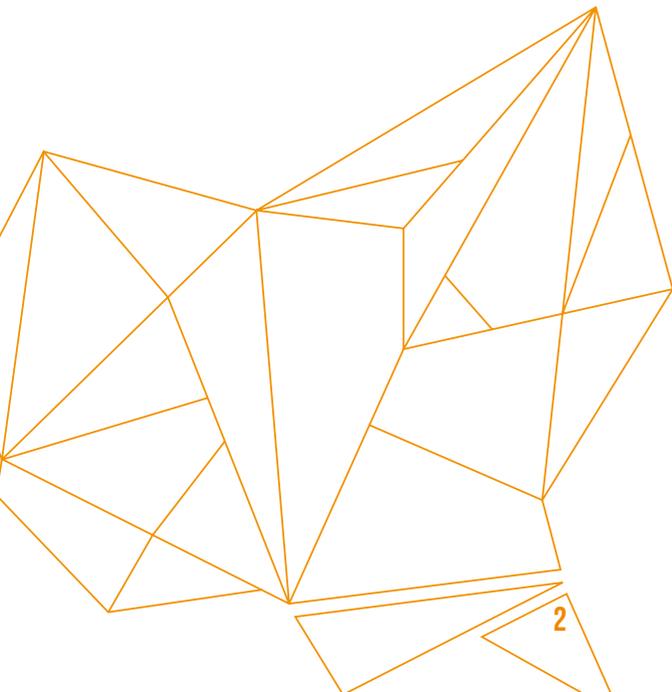


City of  
Gothenburg

# A STRATEGIC CLIMATE PROGRAMME FOR GOTHENBURG

Gothenburg's ambition is to be one of the world's most progressive cities in tackling climate problems. The City of Gothenburg will be a forerunner and show that it is possible to live well without contributing to negative climate impact and thus change living conditions for future generations. The Climate Programme gathers Gothenburg's climate work and steers it toward a sustainable and equitable level of greenhouse gas emissions by 2050.

The Climate Programme concerns the long-term climate work of Gothenburg, which includes the municipal organisation as well as the commercial and industrial sector and all people living in Gothenburg. The programme primarily addresses politicians and employees in the City of Gothenburg, but will also function as guidance for local businesses and citizens.



# GOTHENBURG AFFECTS THE CLIMATE

In our everyday life almost all activities involve some kind of climate impact. What we eat, how we travel, how we live and what we consume does matter.

The Climate Programme covers emissions that originate within Gothenburg's geographical area. However, in order to take our global responsibility, we also need to look at our total climate impact derived from consumption. In the programme, we focus on the areas where the city organisation has an influence and can make a difference, whether the effect is local or global.



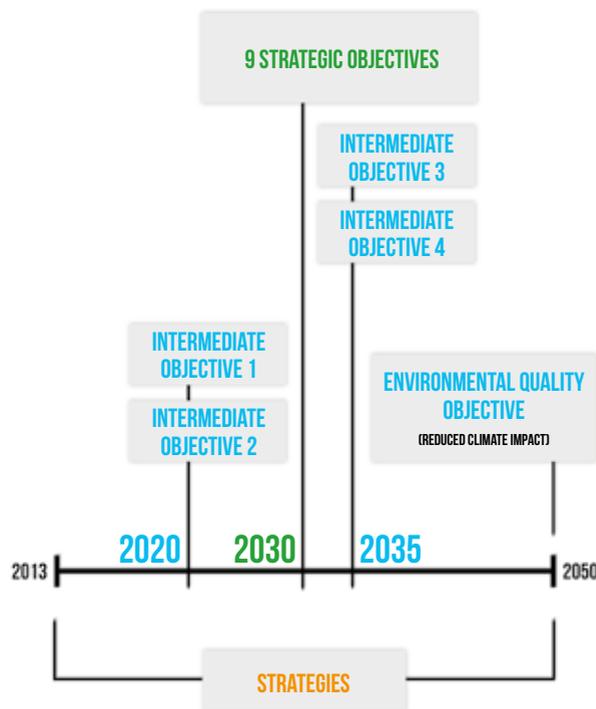
*At present the average citizen in Gothenburg emits approximately eight tonnes of greenhouse gases per year. The illustration shows the emissions divided into the categories aviation, car, public transport, electricity, heating, food, public consumption and other consumption.*

# OUR OBJECTIVES AND STRATEGIES

Gothenburg has an overall climate objective, the local environmental quality objective Reduced climate impact. Linked to this objective are four intermediate objectives.

Apart from the local environmental quality objective and the intermediate objectives, there are the nine strategy objectives. The objectives are sector concretisations that demonstrate how far we should have progressed and indirectly what we should have achieved by 2030 within areas of particular strategic importance.

The Climate Programme contains 24 strategies. The aim of the strategies is to provide guidance in the task of achieving a sustainable and equitable level of emissions. The strategies are not specified in actions but are of an overall character and highlight important strategic areas where action needs to be taken.



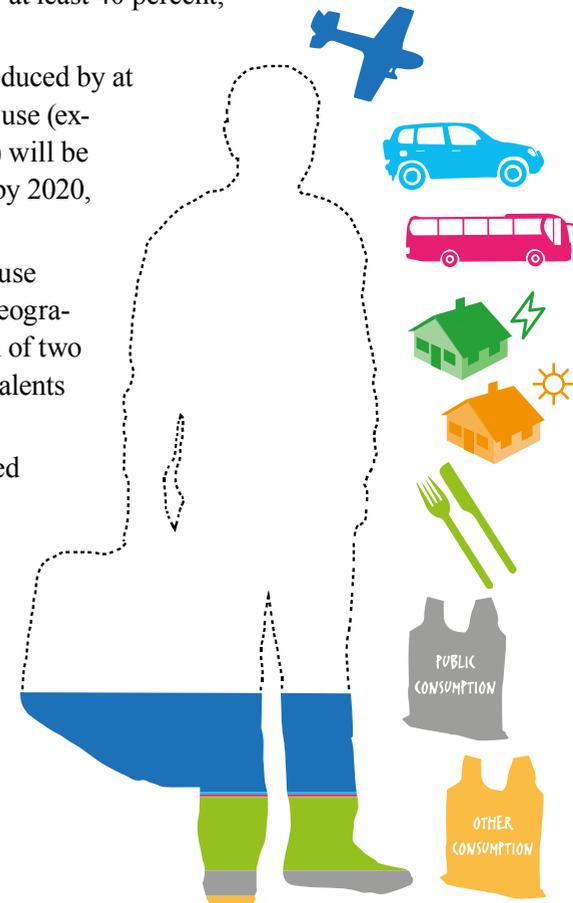
# REDUCED CLIMATE IMPACT

## "IN 2050 GOTHENBURG HAS A SUSTAINABLE AND EQUITABLE LEVEL OF GREENHOUSE GAS EMISSIONS"

The level is currently interpreted as 1.9 tonnes of carbon dioxide equivalents per inhabitant per year.

## INTERMEDIATE OBJECTIVES

1. By 2020, the emission of carbon dioxide from the non-trading sector in Gothenburg will be reduced by at least 40 percent, using 1990 as the base year.
2. Energy use in homes will be reduced by at least 30 percent and electricity use (excluding industry and transport) will be reduced by at least 20 percent by 2020, using 1995 as the base year.
3. By 2035, emissions of greenhouse gases within the Gothenburg geographical area will be a maximum of two tonnes of carbon dioxide equivalents per person.
4. By 2035, the consumption-based emissions of greenhouse gases by the people of Gothenburg will be a maximum of 3.5 tonnes of carbon dioxide equivalents per person.



The illustration shows one possible scenario for the average citizens greenhouse gas emissions in 2050. The emission level is equivalent to 1,9 tonnes.



Photo: Mia Eriksson

## STRATEGIC OBJECTIVES

1. In 2030 all district heating is produced from renewable energy sources, waste incineration or industrial excess heat.
2. By 2030 the total use of primary energy sources for electricity and heat does not exceed 31 MWh per inhabitant.
3. In 2030 the City of Gothenburg produces at least 500 GWh renewable electricity and 1200 GWh of biogas.
4. Carbon dioxide emissions from road transport in the geographical area of Gothenburg will decrease by at least 80 percent by 2030 compared to 2010.
5. By 2030 carbon dioxide emissions from shipping in the geographical area of Gothenburg will decrease by at least 20 percent compared to 2010.
6. Climate impact from citizen's air travel will be reduced by at least 20 percent by 2030 compared with 2012.
7. By 2030 the climate impact of food consumed in the City of Gothenburg will be reduced by 40 percent compared to 2010.
8. The climate impact from our purchases of materials should decrease. A target for 2030 will be set before 2018.
9. By 2030 the amount of household waste per capita in Gothenburg will be reduced by 30 percent compared to 2010.

## STRATEGIES

### THE CLIMATE SMART CITIZEN

- Have knowledge and show decisiveness
- Support citizens to reduce their climate impact
- Educate a new generation of climate-smart citizens

### RESOURCE EFFICIENT URBAN PLANNING

- Plan for an energy and transport efficient society
- Contribute to a climate-smart regional expansion

### EFFICIENT ENERGY USE AND CONVERSION TO RENEWABLES

- Increase resource efficiency in district heating
- Improve energy efficiency in Gothenburg's municipal property holdings
- Improve energy efficiency in Gothenburg's private property holdings
- Promote energy efficiency in industry
- Continue to invest in district cooling
- Further develop large-scale production of renewable electricity
- Promote and facilitate small-scale production of renewable electricity
- Lead biogas development

### REDUCED CLIMATE STRESS FROM TRAVEL AND TRANSPORT

- Prioritize and invest in the travel modes walking, cycling and public transport
- Work towards a more energy efficient vehicle fleet and promote the use of fuels with low climate impact
- Use and develop policy instruments to reduce car traffic
- Become a world leader in climate-smart cargo handling
- Reduce the climate impact of construction, operation and maintenance of infrastructure for transport
- Facilitate and encourage shipping that is energy-efficient and fossil free

### CLIMATE CONSCIOUS CONSUMPTION

- Reduce the climate impact of food in our organisation
- Reduce our purchases of resource-intensive goods
- Prevent waste and promote recycling
- Promote sustainable activities
- Promote alternatives to air travel

# WE CAN MAKE A DIFFERENCE

Gothenburg is a city with many strengths and good opportunities to meet future challenges and we want to seize that in our work on climate change. We are a large municipality and may therefore affect many, both our employees, the citizens of Gothenburg, and all those who visit our city.

Many good efforts have already been made and many are in progress today, but we can and must do more if we are to achieve a sustainable and equitable level of greenhouse gas emissions by 2050.

It will require courage, commitment and action from all of us in the city organisation, as well as from the citizens, the NGOs and the commercial and industrial sector. It is our responsibility to create action and to make decisions that we can be proud of towards the next generation.

**You will find the Climate Programme in its entirety at  
[www.goteborg.se/klimatprogram](http://www.goteborg.se/klimatprogram)**

