


 **OK**

# Signatories

Find a Signatory

## Växjö

Overview **Action Plan** Support

### Action Plan in a Nutshell

**Date of formal approval:** 1 April 2008  
**Overall CO<sub>2</sub> emission reduction target:** 65%

### Sustainable Energy Action Plan Documents

Title	Size	Language	
Sustainable Energy Action Plan (Final report of the Climate Commission)	408 Ko	en	

**Disclaimer:**

This action plan is subject to a verification by the European Commission's Joint Research Centre. The verification process is explained [here](#). Highlights of the SEAP template will be shown publicly once it is approved.


 **OK**

## Download

the Covenant of Mayors text

### Latest Action Plans

**Porto, Portugal**

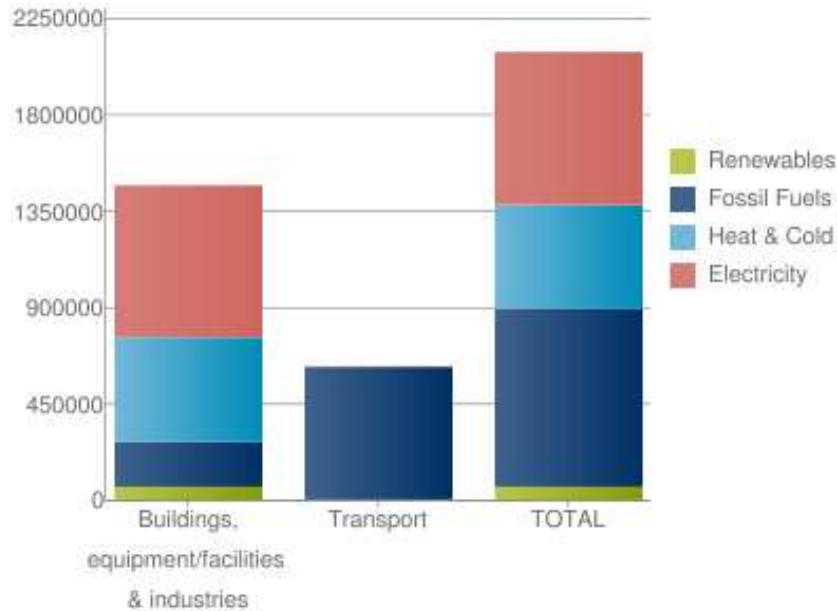
CO<sub>2</sub> emissions reduction target by 2020 **-45%**

**Genova, Italy**

## Key results of the Baseline Emission Inventory

Base year: 1993

Final energy consumption per sector in 1993 (MWh)



CO<sub>2</sub> emissions per sector in 1993 (t)

CO<sub>2</sub> emissions reduction target by 2020 **-23%**

**Vitoria - Gasteiz, Spain**

CO<sub>2</sub> emissions reduction target by 2020 **-26%**

**Nitra, Slovakia**

CO<sub>2</sub> emissions reduction target by 2020 **-21%**

**Växjö, Sweden**

CO<sub>2</sub> emissions reduction target by 2020 **-65%**

## Latest Benchmarks

**Älmhults, Sweden**

New policies for local and rural planning

**Alvesta, Sweden**

Terminal for rail road transports

**Alvesta, Sweden**

1. Solar heat and energy efficiency

**Älmhults, Sweden**

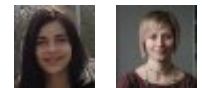
Street lightning

**Älmhults, Sweden**

Energy Performance Construction

## Covenant of Mayors Office

Contact us to know more about the Covenant of Mayors in practice.

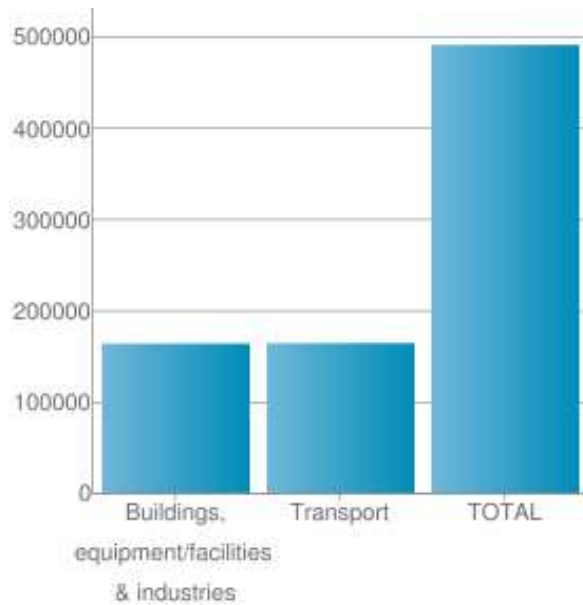


**Covenant of Mayors Office**  
1, square de Meêus  
B-1000 Bruxelles



Via e-mail

Via phone



## Key elements of the SEAP

Expected CO<sub>2</sub> reduction per field of action (t) in 2020 from the base year level



**37825 tons**  
Transport



**70596 tons**  
Buildings, equipment,  
facilities & industries



**76828 tons**  
Local energy production  
(electricity & heat %26 cold)

## COMO's selection of key actions

*Example of key actions that signatory intends to implement in order to reduce its CO<sub>2</sub> emissions.*

The SEAP of the city of Växjö foresees a reduction of approximately 65% of CO<sub>2</sub>

per capita emissions in 2020 compared to 1993. The ambition is to be fossil-fuel-free by 2030. The SEAP of Växjö is made up by a composite set of documents where plans and programs are converging. A good number of ambitious measures are planned in all recommended key sectors of activity, potentially leading to the CO<sub>2</sub> emissions reduction established target.

In some sectors, the plan is particularly well developed, with some far reaching measures, for example in the local energy generation sector, with many measures in this field, either for heat and power, as well as for fuel (biogas for car transport). Private transport issues are addressed as well, with a full mobility multi-modal planning either coping with the freight transport and further developing cycle paths.

They promoted energy efficiency enhancement both in the residential and in the tertiary sector (in shops), also by mean of some soft measures (campaigns), dealing with behavioural aspects and with the general climate issue. The buildings sector is addressed, but there is room for additional measures to encourage the energy efficient physical renovation for the whole existing buildings stock.

The 1993 Baseline Emissions Inventory (BEI) has been properly filled, although the inventory split by sector is missing. Moreover, they already inserted a very recent 2009 Monitoring Emissions Inventory (MEI).

The CO<sub>2</sub> impact, the expected energy saving or renewable energy production of many measures has been estimated and each measure is described in detail accompanied with budget, time-frames, and responsible person/department. The plan distinguishes short term measures from long term ones, covering the whole time frame of the Covenant till 2020 with a good strategic overview.

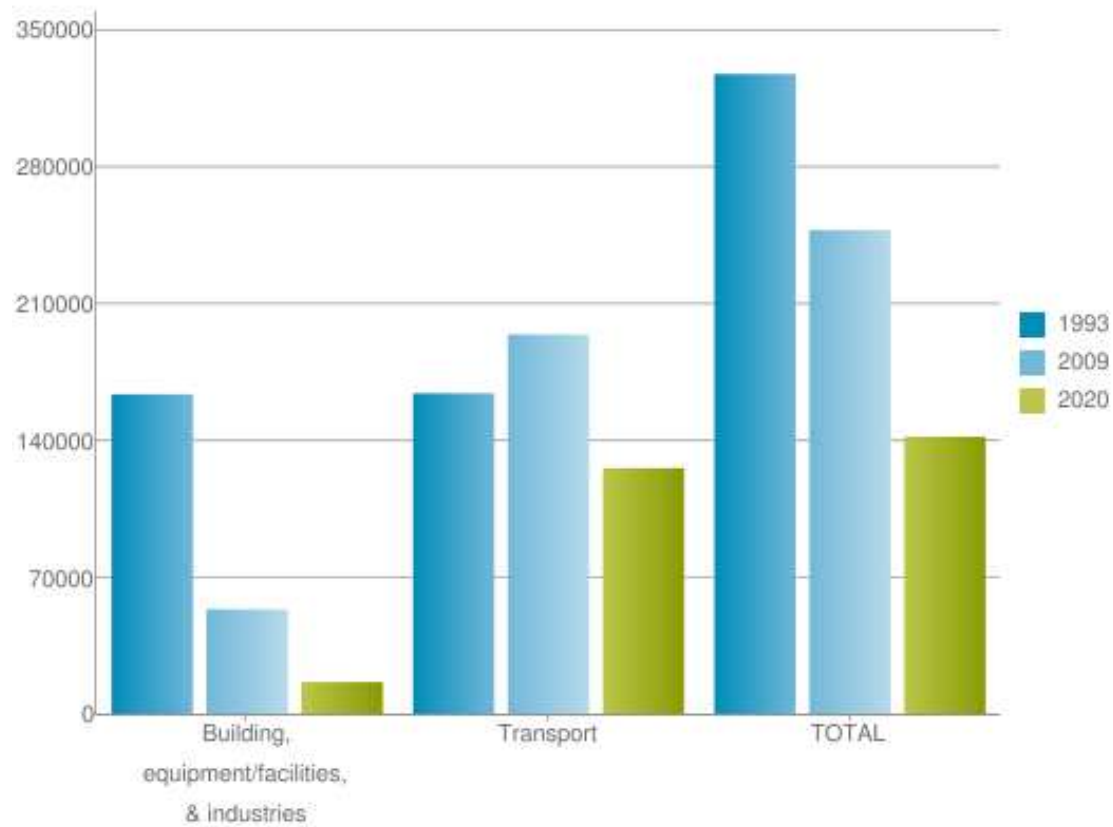
Finally, the general strategy (adaptation of the city structure, gaining support from the stakeholders, management and monitoring, etc.) is addressed properly, although the political commitment needs further steps to finally approve a single document in the city Council. The financial aspects are addressed, but could be

further developed.

As a consequence, our selection of key actions is the following:

1. Local biofuel production: Construction of a biogas plant, that will produce biogas to be used in public transport and in cars. The measure includes investments in production plant and infrastructure.
2. Private and commercial transport: coordinated transports of goods to city centre
3. Transport / mobility planning: continuous improvement of cycle paths.

### CO<sub>2</sub> emissions per sector (t) – basis, achievement and expectations



CO<sub>2</sub> target per sector:

## Buildings and others

**-90%**  
per capita

## Transport

**-23%**  
per capita

## TOTAL

**-57%**  
per capita

*N.B.: The CO<sub>2</sub> emissions of the "buildings, equipment/facilities & industry" and "transport" sectors in 2020 are estimated based on data provided by the Covenant signatory in its SEAP template.*

*This webpage is based on the SEAP template that the Covenant signatory has completed when submitting its full SEAP.*

Last updated at: 4 January 2011

### **Disclaimer:**

*The sole responsibility for the content of this web site lies with the authors. It does not reflect the opinion of the European Union. The European Commission is not responsible for any use that may be made of the information contained therein.*

ShareThis

## Twitter

To exchange  
via your mobile

## Facebook

To become fan  
of the Covenant page

## Newsletters

To subscribe to the  
monthly newsletter

## Rss feeds

To receive news  
in real-time

[EuMayors.eu](#) [My Covenant](#)

### **About**

The Covenant of Mayors  
The Covenant Step by Step  
**Signatories**  
Covenant Coordinators  
Covenant Supporters  
Related Initiatives  
Contact

### **Actions**

Sustainable Energy Action Plans  
Benchmarks of Excellence

### **Participation**

As a Local Authority  
As a Province or Region  
As a Network of Local Authorities  
Covenant Map

### **Support**

Library  
Glossary  
FAQ  
Funding Instruments

### **Media**

Press Releases  
Communication Materials  
Pictures  
Videos



With the political support of the European Commission - DG Energy. Website coordinated by the Covenant of Mayors Office.  
[News](#) | [Agenda](#) | [Site map](#) | [Rss help](#) | [Credits](#) | [Legal](#)