The Covenant of Mayors
- Sustainable energy in urban areas -

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Covenant of Mayors Office / Climate Alliance

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Flashback

Priority action in the EU Action Plan for Energy Efficiency

Launch of the Covenant of Mayors initiative

Creation of the Covenant of Mayors Office
The Covenant Commitments

STEP 1 Signature of the Covenant of Mayors

STEP 2 Submission of your Sustainable Energy Action Plan (SEAP)
  - Adaptation of the administrative structure
  - Building support from stakeholders and citizens
  - Compilation of a Baseline Emission Inventory
  - Establishment of a long-term vision with clear objectives
  - Development and approval of the action plan

STEP 3 Submission of your Implementation Report
  - Monitoring and reporting progress
  - Implementation of concrete CO2 reduction policies and measures

-20% CO2 BY 2020
The Sustainable Energy Action Plan

Direct emissions due to fuel combustion within the territory

Other direct emissions that occur within the territory, depending on the choice of BEI sectors

(Indirect) emissions related to the production of energy that is consumed within the territory regardless of the location of the electricity production

Territory of the Municipality

- Buildings, equipments & facilities (municipal, residential, tertiary)
- Transport (public, private, commercial)
- Industries (ETS excluded, optional)
- Solid waste & waste water treatment plants (optional)
- Local energy generation facilities (electricity ≤ 20 MW, heat/cold if applicable, ETS excluded)

Energy Demand

Energy Supply
The Sustainable Energy Action Plan

Where are you?

Baseline Emission Inventory

Analyse the current status in terms of energy use and associated CO₂ emissions.

Where do you want to go?

Vision, Objectives, Target

Agree on a vision, objectives and CO₂ emissions reduction target for 2020.

How do you get there?

Actions

Define a set of comprehensive actions with estimated impacts.
The Covenant Actors: Multi-level engagement

Supporters
Local/regional authorities networks

Associated Partners
Business-representatives

National Coordinators
Ministries and Energy Agencies

Territorial Coordinators
Regions, Provinces, grouping of local authorities

LAREAs
Local and Regional Energy Agencies

Signatories
Villages, Towns, Cities, Counties
Today …

- 6,300 signatories
- 200 million citizens
- 53 countries
- 4,600 Sustainable Energy Action Plans
- 400 Monitoring Reports
Covenant Indicators

5.4
Tonnes CO₂ eq. per capita emitted in signatory cities.

19
MWh per capita of final energy consumed in signatory cities.

37%
Buildings account for more than half of the energy consumed and transport close to one third.

15%
29%
16%

9%
Share of overall energy consumption satisfied by locally produced energy.

Covenant Indicators

Breakdown of CO$_2$ emissions by sector

- Municipal buildings, equipment/facilities: 27%
- Tertiary buildings, equipment/facilities: 2%
- Residential buildings: 33%
- Public lighting: 19%
- Industry: 1%
- Transport: 2%
- Others: 16%
Covenant Indicators

Breakdown of final energy consumption by sector

- **29%** Municipal buildings, equipment/facilities
- **37%** Residential buildings
- **16%** Industry
- **0%** Public lighting
- **15%** Tertiary buildings, equipment/facilities
- **3%** Transport

3%
Covenant Indicators

188
Mtonnes CO₂ eq. reduction, which means a 28% reduction target.

20% Energy savings as a result of measures in buildings and transport.

133 TWh to be locally produced, which will contribute to meet 18% of future energy demand from local production.

44% Of the overall CO₂ reduction will derive from actions in buildings.
Covenant Indicators

Covenant Signatories contribution to EU CO\textsubscript{2} target

15% Of the EU-28 CO\textsubscript{2} emissions reduction 2020 target can be achieved by actions undertaken by signatory cities.
High impact on climate change mitigation

What next
Policies with highest impact on climate change mitigation in 2020
bn tonnes CO₂ equivalent

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*Urban targets over and above EU or national law
†Determines substitutes for gases replaced under Montreal protocol


THANK YOU

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