



Covenant of Mayors

A commitment towards
Europe's energy and
climate policy

Name of the speaker, organisation





Mayors commit to...

Go beyond the objectives set by the EU for 2020, reducing the CO2 emissions in their respective territories by at least 20%, through the implementation of Sustainable Energy Action Plans



The Covenant of Mayors: unprecedented growth



1st Covenant of Mayors Ceremony
/10 February 2009/

Hemicycle of the European Parliament, Brussels

370
cities





The Covenant of Mayors: unprecedented growth



2nd Covenant of Mayors Ceremony

/4 May 2010/

Hemicycle of the European Parliament, Brussels

1680
cities





The Covenant of Mayors: unprecedented growth

More and more local authorities involved by **today:**





3 main reasons why cities get involved



1. Energy is one of the few municipal fields where significant financial savings can be achieved...



3 main reasons why cities get involved



2. Lower energy bills for citizens, comfortable living conditions, pleasant environment, more jobs...



3 main reasons why cities get involved



3. The battle against climate change has to be fought at local level...



What else motivates mayors to join?



“...It is important for me to be encouraged by others and maybe encourage people by our experience...”

Bo Frank, Mayor, Växjö (SE)

“... By connecting with our European partners and reinforcing our commitment to such valuable initiatives as the Covenant of Mayors, we can work together in strengthening Europe’s green economy...”

Emer Costello, Lord Mayor of Dublin (IR)



“...To meet people with the same ambitions, get motivation, learn from each other...”

Manuela Rottmann, Deputy Mayor, Frankfurt am Main (DE)

“...To show that local authorities already act and lead the fight against climate change. The states need them to meet their Kyoto objectives and should therefore support them in their efforts...”

Denis Baupin, Deputy Mayor, Paris (FR)





3 steps leading to the Covenant objective: - 20% CO₂ by 2020



- 20% CO₂ by 2020



First Sustainable Energy Action Plans submitted





MOSAIC OF ACTIONS & SOLUTIONS

...contributing to the achievement of the Covenant objectives





Green cities

2020

-20% CO₂



ALMADA (PT)

Green and safe way back from school



FREIBURG (DE)

Low energy sustainable quarters



Energy efficiency

2020

-20% CO₂



STOCKHOLM (SE)
Energy efficient buildings



HANNOVER (DE)
Low energy standard obligatory
for all new buildings



Accessible transport



STRASBOURG (FR)

Involving citizens in the mobility planning: bike parkings

HELSINKI (FI)

Investing in clean public transport: trams



2020

-20% CO₂

2019

2018

2014

2013

2012

2017

2016

2009

2010

2012



Renewable energy

2020

-20% CO₂



VÄXJÖ (SE)

Fossil fuel free city



BARCELONA (ES)

Local regulation: solar panels obligatory on all new buildings



Communication with local stakeholders and citizens



Organisation of Local Energy Days
→ www.sustenergy.org





EXAMPLE: SEAP of Dublin (IR)

- ✓ “... new Convention Centre in Dublin recognised as the first **carbon neutral international convention centre**...”
- ✓ “...**over €1 billion in energy savings** can be achieved by Dublin homes up to 2020...”
- ✓ “... **savings of over €600 million** can be achieved by homeowners making simple changes to user behaviour...”
- ✓ “...the creation of an energy-smart city will also present huge opportunities for **renewal and job creation**...”





EXAMPLE:

SEAP of Montreuil (FR)

Montreuil (FR)



- ✓ “... one of the largest European sustainable districts on the area of 200 ha (1/4 of the city’s territory) mainly for socially 'vulnerable' people...”
- ✓ “...3,000 new low energy / passive building out of which 40% will represent social housing...”
- ✓ “...300,000 m2 of new offices for SME that have huge potential to create sustainable local jobs...”
- ✓ “...urban regeneration embracing ecological, social and democratic challenges...”



What support for the Signatories?

1. **European institutions / European legislation**
2. **Covenant of Mayors Office (COMO)**
3. **Covenant Supporting Structures**
4. **Benchmarks of Excellence**
5. **Financial support**



2020

-20% CO₂

2019

2018

2017

2016

2014

2013

2012

2011

2010

2009



The European institutions endorse the Covenant of Mayors...together

2020

-20% CO₂





The European institutions endorse the Covenant of Mayors



“Through the Covenant of Mayors, the EU has shown the rest of the world that its citizens are united in their commitment to reduce CO2 emissions.”

José Manuel Barroso, President of the European Commission

“The actions of Covenant signatories can significantly reduce CO2 emissions. By supporting them, Europe can meet the challenges of climate change.”

Jerzy Buzek, President of the European Parliament



“The Committee of the Regions gives its full political support to the Covenant of Mayors initiative”

Ramón Luis Valcárcel Siso, First Vice-President of the Committee of the Regions

“With more than 1500 cities involved, the Covenant of Mayors has become a key element of the EU sustainable energy policy.”

Günther Oettinger, European Commissioner for Energy





Support in the European legislation

What is new in the Lisbon Treaty?

ENERGY



TERRITORIAL
COHESION



Support in the European legislation

Energy Policy

- ✓ The EU Climate & Energy Package (December 2008)
→ Objectives 3 x 20 by 2020
- ✓ Energy Strategy 2011-2020
- ✓ Energy Efficiency Action Plan





Support in the European legislation

Cohesion Policy



- ✓ Amendment to ERDF regulation (May 2009)
- ✓ Up to 4% of the national ERDF allocation can go to energy efficiency and renewable energy in housing, potentially € 8 billion
- ✓ Member States define eligible categories of existing housing, to support social cohesion
- ✓ Amendment to Regulation on financial engineering (June 2010): increase use of innovative financial instruments for energy efficiency



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Covenant of Mayors Office

- ✓ **Promotes** the initiative in the EU and beyond
- ✓ **Provides** administrative and technical support for Signatories
- ✓ **Monitors** the implementation by Signatories and Supporting Structures
- ✓ **Facilitates** exchange of experiences and networking
- ✓ **Liaises** with relevant EU initiatives and actors



2020

-20% CO₂

2019

2018

2014

2013

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2012



Covenant of Mayors Office

Run by the European networks of local authorities:



and a communication company:



Supported by:



Directorate-General
for Energy





Covenant Helpdesk

- ✓ A joint operation between the COMO and the **Joint Research Centre (JRC)**
- ✓ Provide **personal assistance, administrative and technical support** to Signatories and supporting structures
- ✓ Develop **methodological Guidelines and Tools** for the development of Baseline Emissions Inventory (BEI) and Sustainable Energy Action Plan (SEAP) and monitoring -> in collaboration with Signatories!





Covenant Helpdesk

✓ **Covenant in practice:** interactive on-line tool accompanying Signatories step-by-step through the Covenant process

European Commission
Energy

European Commission > Covenant of Mayors > Covenant in practice

 **Covenant of Mayors**
Committed to local sustainable energy

“Tackling climate change in a coherent way”

STEP-BY-STEP TOWARDS -20 % CO₂ BY 2020

The 'Covenant in practice' section provides you with concrete information about the process that Covenant signatories are expected to go through in order to meet their commitments. Just click on the diagram below to get an overview, links and additional information about the relevant chapter of your interest.

- Step 1: Signature of the Covenant of Mayors
 - Creation of adequate administrative structures
 - Baseline Emission inventory & SEAP development with stakeholders and citizens
- Step 2: Submission of your SEAP
 - Implementation of your SEAP
 - Monitoring progress
- Step 3: Regular submission of your implementation report

-20% CO₂ by 2020

1904 local authorities want a cleaner Europe. Is yours one of them?

Latest SEAP's online

10/05/2009 **Clant**

04/02/2009 **Bourg-la-Reine**

06/11/2008 **Latsis**

www.eumayors.eu
-> Covenant in Practice

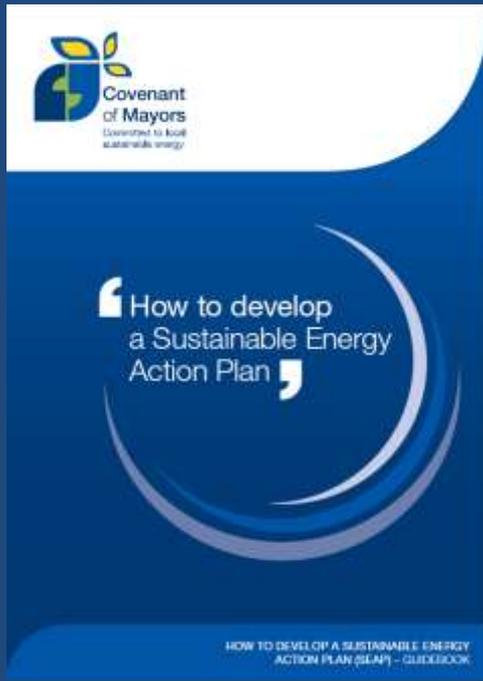


Covenant Helpdesk

✓ **Covenant methodological Guidelines and tools**
for the development of BEI & SEAP

www.eumayors.eu
-> Library

SEAP Guidebook



Reports on existing
methodologies and tools



SEAP template & instructions
in 23 EU languages



Covenant Helpdesk

✓ **Signatories' corner & SEAP template** – a comprehensive template that helps signatories structure key information of their SEAP

Signatories' corner

Home Password

Heerlen

General | Contacts | Supporting Structures | SEAP | Benchmarks of Excellence

Overall Strategy | **Baseline Emission Inventory** | Sustainable Energy Action Plan | SEAP Submission

Baseline Emission Inventory **addContent**

Green field: mandatory field

1) Inventory year:

Year:

Please provide the number of installations during the inventory year:

2) Emission factors:

Please tick the corresponding box:

Normative:

Standard emission factors to the list of IPCC emissions

LCA (Life Cycle Assessment) factors

Emission reporting unit:

CO₂ emissions

CO₂ equivalent emissions

View

3) Key results of the emission inventory

Legend of colours and symbols:

Green fields are compulsory **Grey fields are not suitable**

A. Final energy consumption

Please note that for separating decimals and 0.0 is used, no thousand separators are allowed.

Category	FINAL ENERGY CONSUMPTION [MWh]								
	Electricity	Heat cost	Fossil fuels						
			Natural gas	Liquid gas	Heating oil	Diesel	Gasoline	Lignite	Coal
BUILDINGS, EQUIPMENT / FACILITIES & INDUSTRIES									
Municipal buildings, equipment/facilities									
Tertiary (non-municipal) buildings, equipment/facilities									

Signatories' Corner
→ <http://helpdesk.eumayors.eu/>



Covenant Helpdesk

✓ Highlights of the SEAPs collected via the SEAP template and shown on-line on the Covenant website

Covenant of Mayors
Committed to local sustainable energy

Providing visibility and support to signatory cities

Home
About the Covenant
Covenant in practice
Covenant cities
Supporting Structures
Benchmarks of Excellence
Press area
Library
Events
Questions?
Useful links
Contacts

1900 local authorities want a cleaner Europe.
Is yours one of them?

Latest SEAP's online
04/02/2009 Bourg-la-Reine
06/11/2009 Latsia
18/08/2009 Trekantomradet

There are currently **79** Supporting Structures

Tampere

Tampere Sustainable Energy Action Plan
Date of formal approval: 14 December 2009

Overall CO₂ emission reduction target: **-30 % by 2020**

Key results of the Baseline Emission Inventory
Base year: 1990

Final energy consumption per sector in 1990 (MWh)

Sector	Renewables	Fossil Fuels	Heat & cold	Electricity
Building, equipment, facilities & industries	~100,000	~100,000	~100,000	~100,000
Transport	~0	~100,000	~0	~0
TOTAL	~100,000	~200,000	~100,000	~100,000

CO₂ equivalent emissions per sector in 1990 (t)

Sector	CO ₂ equivalent emissions (t)
Building, equipment, facilities & industries	~100,000
Transport	~100,000
TOTAL	~200,000

www.eumayors.eu
-> On-line catalogue



Covenant events

- ✓ Thematic workshops



- ✓ Covenant of Mayors annual ceremonies



www.eumayors.eu
-> EVENTS



What support for the Signatories?

1. European institutions / European legislation
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3. **Covenant Supporting Structures**
4. Benchmarks of Excellence
5. Financial support





Covenant Supporting Structures

1. Public administrations - national and regional public bodies, counties, provinces, agglomerations, mentor cities providing:

- ✓ strategic guidance
- ✓ financial support
- ✓ technical support

to municipalities lacking the skills and /or resources to fulfill the Covenant commitments, esp. the preparation and implementation of SEAP.





Covenant Supporting Structures

2. Networks of local and regional authorities that commit to improve the Covenants' impact by:

- ✓ promoting the initiative
- ✓ liaising with their members
- ✓ facilitating exchange of experience
- ✓ defending common interest in the adequate fora.



2020

-20% CO₂





Covenant Supporting Structures

Today there are **84 Supporting Structures...**

...and the number continues to grow!

Read about their latest most impressive achievements!



Thematic Leaflet
www.eumayors.eu

-> Library



Monthly Newsletter
www.eumayors.eu
-> Home Page



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Benchmarks of Excellence

✓ Relevant examples of local initiatives which Covenant Signatories and Supporting Structures have realised in their territories and feel particularly proud of

Category: Soft measures (Governance, awareness raising, education and training, etc.)

PUBLIC AND ONLINE FORUMS for Cesena SEAP

City: Cesena

Covenant Coordinator: ...

The work phases of consumer of commu ...

1st Phase ...

The Cyclist Mo ...

Category: Urban mobility

Mobility Cycling Promotion Plan

City: ...

Covenant Coordinator: ...

Category: Local energy infrastructure

Lund-Eslöv District heating pipeline

City: Lund

Covenant Coordinator: Linda Berkedal
email: linda.berkedal@lund.se
telephone: +46 46 35 64 02

... been reduced by connecting the district heating grids in Lund and Eslöv and using the waste heat from Örtofta sugar factory.

... heating networks in Lund and Eslöv by a 17 km district heating pipeline. Linking with Danisco Sugar AB's sugar factory in ... waste heat during the sugar beet season.

... into operation on 15th September 2006 and the supplies of extra heat from Danisco started on 20th September ... between 12 and 20 MW and annually provides around 36,000 MWh of heat to the district heating network.

... in addition to this ... boiler at Svertorps Gods was connected to the district heating pipeline during October 2006, along with a 2MW wood chip boiler at Ellinge Gods. The boiler at Ellinge Gods was brought into operation in March 2007.

Fact box
Environmental investment:
104,574,000 kronor
Grant from the Swedish Environmental Protection Agency:
6,650,000 kronor
Effect on the environment:
-2,615,000 kWh/year
-7,430 tonnes CO₂ equivalents/year

Disclaimers
The sole respon ...
The European C ...

www.eumayors.eu
-> On-line catalogue



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How to finance the projects featured in the SEAP?

1. Implement projects that can be done with usual local partners, **without needing any particular financial support** -> *In some cases, no investment projects can save up to 10% of energy costs!*

2. **Contact your bank or an ESCO** (energy service company) or look for innovative financial mechanisms implemented by other cities -> *Many projects can be self-financed (and if grants exist these partners will get help for you!)*

3. **Seek the most local resources - regional or State funds / programmes** of which eligibility criteria and conditions are generally the simplest. -> *These authorities also sometimes manage European Funds and in some Countries they run energy saving certificates or white certificates.*





How to finance the projects featured in the SEAP?

4. Investigate the **Structural Funds** and the **Cohesion Fund**.



5. Check the **European (international) financial institutions' offers** (e.g. European Investment Bank), especially if your project is quite big and complex

6. Join the **European projects** and use money from the European programmes (Intelligent Energy Europe, URBACT, Interreg, etc.)



Cities' own and local financial resources



www.managenergy.net
-> Workshops ->
Presentations



Get inspiration from local authorities which employed **innovative financial schemes** to finance actions featured in their SEAPs





Financial support at EU level

European funding mobilised

- ✓ ELENA (European Local ENergy Assistance facility)
- ✓ The four J's (Jeremie, Jaspers, Jessica, Jasmine)
- ✓ Eco-innovation under CIP (Competitiveness and Innovation Programme)
- ✓ Marguerite
- ✓ IFI facilities (mainly Member States)
 - Municipal finance facility
 - Municipal infrastructure facility
 - Energy efficiency finance facility
 - SME finance facility...





ELENA

European Local ENergy Assistance

- **Support for:** technical assistance for preparation of high quality municipal/regional investment programmes in the field of energy refurbishment of buildings, integration of RES, district heating & cooling, CHP systems, urban transport, smart grids...
- **Eligible costs:** feasibility & market studies, structuring of investment programmes, business plans, energy audits, preparation of tendering procedures & contractual arrangements, newly recruited staff assigned to develop an investment programme
- **Grant:** up to 90% of eligible costs
- **Project duration:** max. 3 years
- **Benefits:** investment programme has better chances to be financed by a financial institution (incl. EIB), reduced transaction costs, improved « bankability » of the individual projects

IMPORTANT: The ELENA facility can provide grants only to the technical support. The investment programme has to be financed through other means (e.g. loans, own resources, structural funds)!!!



ELENA

European Local ENergy Assistance

CRITERIA

- Investment programme's size: **over 50 Mio EUR** (small projects can be supported if integrated into larger investment programmes)
- Eligible **applicants come from IEE countries** (EU + Lichtenstein, Norway, Iceland and Croatia)
- **Potential bankability** of the project
- **Applicant's financial and technical capacity** to implement and complete the project
- **Contribution to 3x20% objectives** in terms of reducing GHG emissions
- Expected **leverage factor** (the cost of the investment to be supported must be **at least 25 times** the amount of the ELENA contribution)
- **EU added value**, in terms of compliance with EU policies
- Verification that financial assistance under this Facility will not be used for Investment Programme that can be better supported by other similar EU funds and facilities (e.g. Cohesion and Structural Funds...)
- **Absence of other EU support granted** to the same applicant for ELENA in relation to the same project





ELENA

European Local ENergy Assistance

First beneficiaries:

Province of Barcelona (ES)

Investment: 500 Mio EUR



Province of Milano (IT)

Investment: 90 Mio EUR



City of Paris (FR)



ELENA supports more than €1 billion energy efficiency and renewable energy investments in 2010!



Financing – future chances and challenges

- ✓ Exit from the economic and financial crisis
- ✓ European Economic Recovery Plan
- ✓ EU budget review
- ✓ President Barroso's guidelines for the next 5-years
- ✓ New EU financial framework starting in 2014
- ✓ Aim at optimum leverage of EU funding



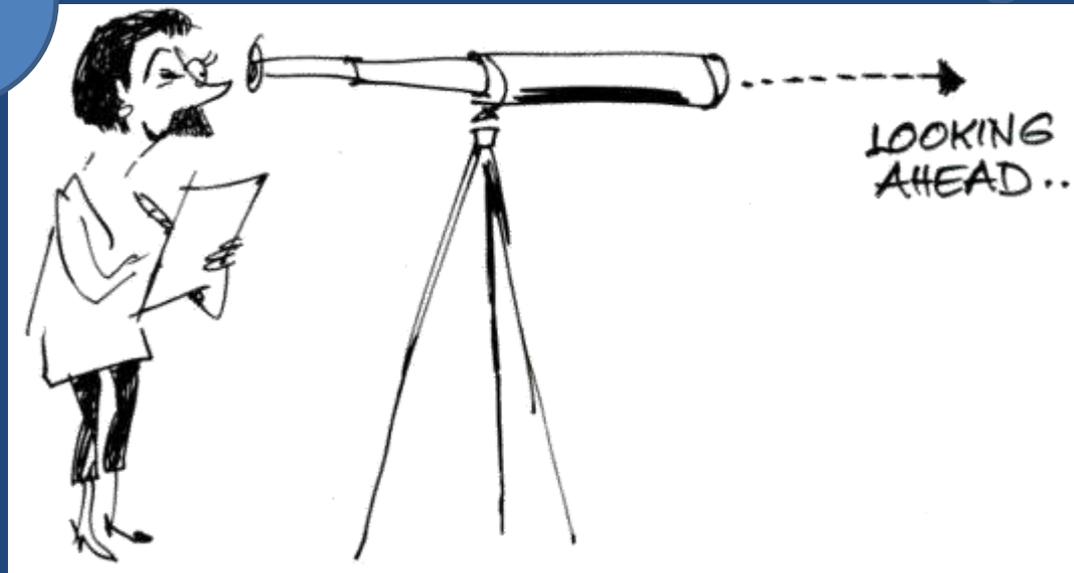


Future of the Covenant?

ELENA facility will continue and more funds are expected to be allocated in 2011, 2012 and 2013!

Covenant becomes a model for other EU initiatives
(Speech of Mr. Barroso, Rimini, 27/08/2010)

Covenant is heading to the East and South!





More information

2020

-20% CO₂

2019

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Website: www.eumayors.eu

-> available in all EU official languages

Contacts:

- Covenant Helpdesk: info@eumayors.eu

- Supporting Structures: support@eumayors.eu