

# Adam Szolyak

**European Commission, Responsible Covenant of Mayors**

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# Covenant of Mayors

*Local commitment towards  
sustainable energy*

**Adam SZOLYAK**

*Directorate-General for Energy  
European Commission*





# Towards more...



# A democratic commitment...



**4 306** SIGNATORIES

**47** COUNTRIES

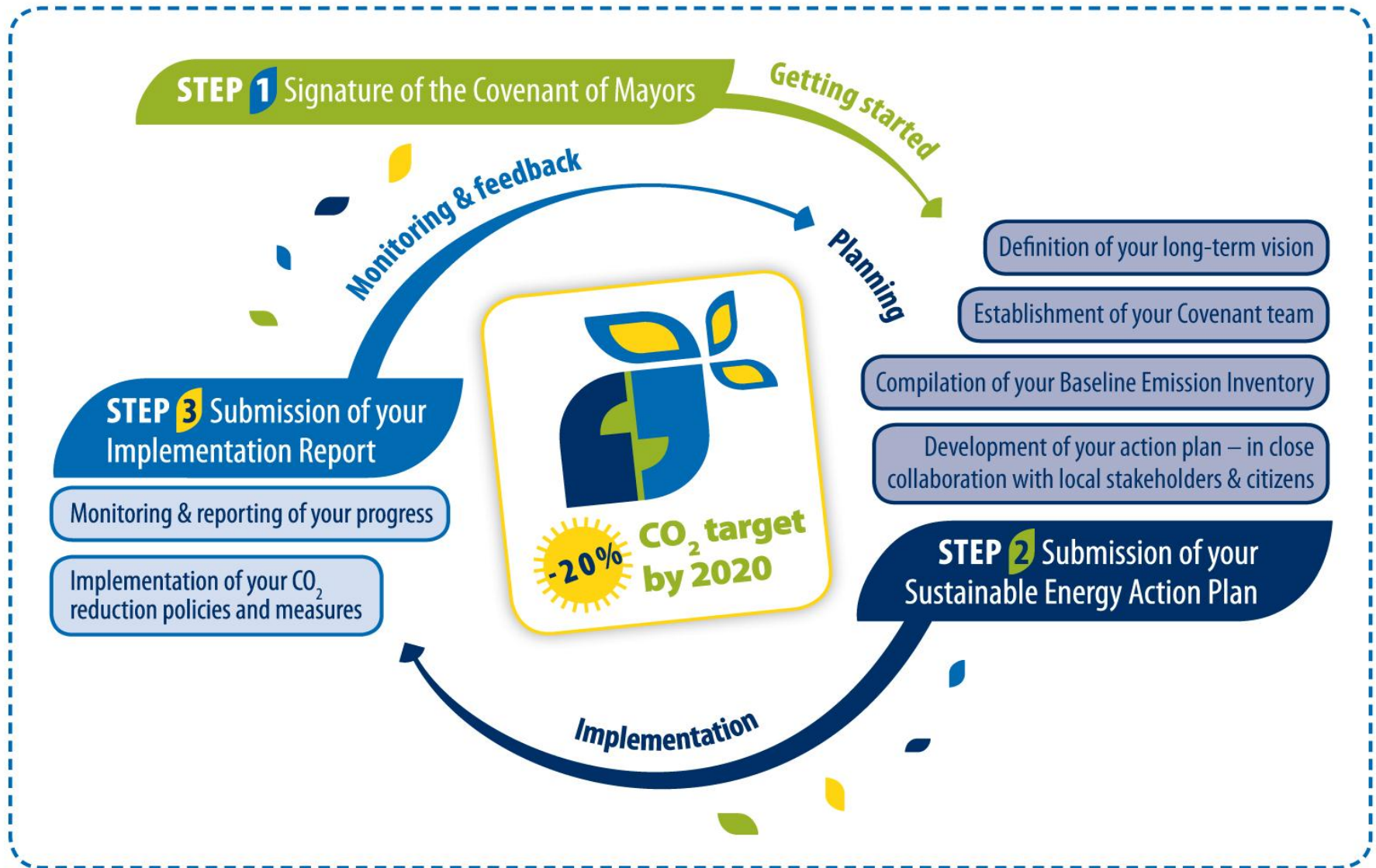
**30** CAPITALS

**167** million  
Citizens involved

**180**  
Regions, provinces and  
networks supporting



# Towards -20% CO<sub>2</sub> by 2020



# Sustainable Energy Action Plans (SEAP) received so far

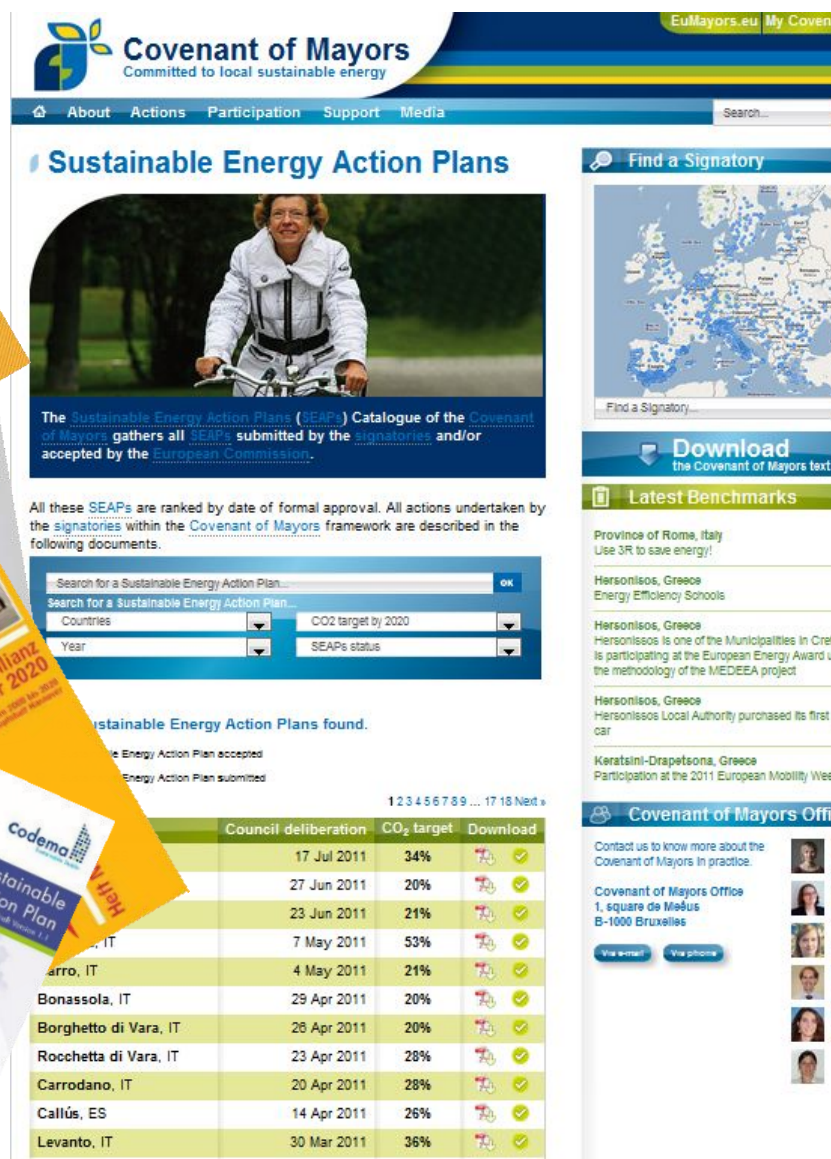
**1 785**

SEAPs submitted

**160 million**  
tons of CO<sub>2</sub> mitigation  
potential

**> €40 billion**  
investments  
planned ca. in SEAPs

**> 80 000**  
Jobs /year  
created / maintained  
by 2020



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

**Sustainable Energy Action Plans**

The Sustainable Energy Action Plans (SEAPs) Catalogue of the Covenant of Mayors gathers all SEAPs submitted by the signatories and/or accepted by the European Commission.

All these SEAPs are ranked by date of formal approval. All actions undertaken by the signatories within the Covenant of Mayors framework are described in the following documents.

Search for a Sustainable Energy Action Plan...

Search for a Sustainable Energy Action Plan...

Countries: CO<sub>2</sub> target by 2020: Year: SEAPs status:

**Sustainable Energy Action Plans found.**

	Council deliberation	CO <sub>2</sub> target	Download
	17 Jul 2011	34%	✓
	27 Jun 2011	20%	✓
	23 Jun 2011	21%	✓
	7 May 2011	53%	✓
	4 May 2011	21%	✓
	29 Apr 2011	20%	✓
	26 Apr 2011	20%	✓
	23 Apr 2011	28%	✓
	20 Apr 2011	28%	✓
	14 Apr 2011	26%	✓
	30 Mar 2011	36%	✓

# Integrated Actions

**Urban mobility**



**Buildings**



**+ €1.7bn**

Further  
investments  
committed  
via ELENA

**Urban planning**



**Decentralised generation / Renewables**





# **EE and RES in BUILDINGS: driving mitigation and local growth**

**Based on 900 SEAPs:**

- **39% of the total energy savings in buildings**
- **32% of the CO2 savings**
- **29% of the planned investments,**
- **38 % of all measures target buildings**
- **156 700 total jobs can be created / sustained until 2020  
(through the 7 years)**



# Energy efficient refurbishment - up to 50-70% energy savings

**500€ savings / flat / year (Brno)**

**Residential  
buildings**

**Brno, CZ  
50 kWh/m<sup>2</sup>/yr**





# Zero energy districts

## 90- >100% energy savings

**Tertiary and  
residential**

**Energy-positive  
buildings**



**Freiburg / Vauban:  
10€ monthly heating cost**





# HELSINKI uses sewage water based heat pumps to heat and cool the city



- ✓ Covenant signatory since 2009
- ✓ 20% aimed CO2 reduction by 2020
- ✓ ***Waste to energy solution:***  
Using cleaned waste-water and sea water via heat pumps for district heating and cooling (DHC)
- ✓ 93% of residents connected to Europe's 3<sup>rd</sup> largest DHC system



**See more: [www.eumayors.eu](http://www.eumayors.eu)**



# LA SPEZIA PROVINCE acts together for more energy efficient buildings

- ✓ In 2008 joined the Covenant
- ✓ 20% CO2 reduction target (incl. 20% EE target)
- ✓ 32 Signatory municipality assisted
- ✓ ***Buildings and Awareness:***  
250 buildings' energy performance audits –  
available online via interactive maps and related  
awareness raising actions



**See more: [www.eumayors.eu](http://www.eumayors.eu)**



# Funding opportunities



## What is currently available at EU level?

### *Cohesion policy funds (2007-2013):*

- 4,6 billion € for energy efficiency – incl. JESSICAs. JEREMIEs...
- 4% of ERDF can be re-allocated to housing

→ [ec.europa.eu/regional\\_policy/index\\_en.cfm](http://ec.europa.eu/regional_policy/index_en.cfm)

### *Intelligent Energy Europe Programme (2007-2013):*

- 735 million € for 'soft' energy efficiency/renewables project

→ [ec.europa.eu/energy/intelligent/getting-funds](http://ec.europa.eu/energy/intelligent/getting-funds)

### *ELENA Facility:*

- 97 million € for technical assistance to mobilise investments

→ [www.eib.org/elena](http://www.eib.org/elena)

### *European Energy Efficiency Fund (EEE-F):*

- 265 million € for investments into mature, bankable efficiency/renewables projects
- 20 million € for technical assistance

→ [www.eeef.eu](http://www.eeef.eu)



## What will be available at EU level?

### **Next Multi-Annual Financial Framework (2014-2020) proposals**

- Cohesion funding to allocate some €17 billion to energy efficiency and renewable energy (doubling current allocations)
- Horizon 2020: €6.5 billion is to be allocated to research and innovation in "Secure, clean and efficient energy", including the "Smart cities and communities initiative" and the "Market uptake of energy innovation – IEE III"



# Focus on Energy performance contracting



- Berlin has made use of energy performance contracting since 1996
- Over 1300 public buildings have been upgraded
- Cost savings of about 10,5 million € - i.e. a quarter of the energy cost of the buildings involved



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*\*Available in 23 EU languages and Russian*

