The Covenant of Mayors: monitoring the results
An unprecedented success...

... 6,176 signatories

... 3,996 Sustainable Energy Action Plans adopted

... 180 million citizens

1/3 of EU population living in a city with sustainable energy commitments

... about 30% CO₂ emissions reduction commitment
The Covenant Commitments

**STEP 1** Signature of the Covenant of Mayors

**Initiation**
- 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 2** Submission of your Sustainable Energy Action Plan (SEAP)

**Implementation**
- Monitoring and reporting progress
- Implementation of concrete CO₂ reduction policies and measures

**STEP 3** Submission of your Implementation Report

**Feedback & Monitoring**
- CO₂ BY 2020 (-20%)

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The methodological framework
An integrated approach

<table>
<thead>
<tr>
<th>TERRITORY OF THE MUNICIPALITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings, equipments &amp; facilities (municipal, residential, tertiary)</td>
</tr>
<tr>
<td>Transport (public, private, commercial)</td>
</tr>
<tr>
<td>Industries ETS excluded (optional)</td>
</tr>
<tr>
<td>Solid waste &amp; waste water treatment plants (optional)</td>
</tr>
<tr>
<td>Local energy generation facilities (electricity ≤ 20 MW, heat/cold if applicable) ETS excluded</td>
</tr>
</tbody>
</table>

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

Energy Demand

Energy Supply
Underlying Principles

- Integrated approach
- Mid/long-term planning
- Stakeholders’ involvement

-20% CO₂ by 2020 EU target

Fields of competence of local authorities

Flexible choice of models/tools respecting the Principles
Better fitting to local circumstances and permitting those already engaged in energy planning to come on board!
The common reporting framework
The SEAP Template

- **Standard reporting framework** for Covenant Signatories;
- **Summarises** the key data of SEAPs;
- Allows to **analyse the data** in a structured and systematic manner;
- Ensures the generation of aggregated **statistics**\(^1\).

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\(^1\) e.g. JRC report *The Covenant of Mayors in Figures 5-Year Assessment* (2013); *Covenant Indicators* (2013).
What is reported?

- **Overall strategy** (target, vision, staff, budget, etc.);
- **Final energy consumption** by sector and by energy carrier;
- **CO₂ emissions factors** adopted for each energy carrier;
- **Local energy production** (if applicable);
- **CO₂ emissions** by sector and by energy carrier;
- **Key actions** (estimates on implementation cost, energy savings, renewable energy production and CO₂ emissions reduction by 2020).
Revised SEAP template

✓ More **user-friendly** reporting interface;
✓ **Real-time notifications** on errors and any missing data;
✓ Automatic computation of totals and CO₂ emissions data;
✓ Automatic generation of a **synthesis report** of the data provided;
✓ **Real-time feedback** at the submission stage (automatic JRC checks and notifications).
Revised SEAP template

- 2 Key Documents
  - Revised SEAP template: [Library]
  - SEAP migration quick guide: [Library]
New Monitoring template

- **Part 1: My overall strategy**
  - Pre-filled (but editable) with data from the SEAP template

- **Part 2: My Emission Inventories**
  - MEI = BEI

- **Part 3: My Sustainable Energy Action Plan**
  - Pre-filled (but editable) with data from the SEAP template

- Pdf version available in the Library
- No approval from the city council required
- No evaluation by JRC
New Monitoring template

✓ Every **2 years** – qualitative action reporting
✓ Every **4 years** – quantitative action reporting with a Monitoring Emission Inventory

Part 1: My overall strategy
Part 2: My Emission Inventories
Part 3: My Sustainable Energy Action Plan
Do I need to re-submit my SEAP?

- **SEAP**
  - Old SEAP template
    - You do not want to revise the SEAP → No pre-filled Monitoring report
  - New SEAP template
    - You want to revise the SEAP → Monitoring report pre-filled
By the end of the year

- The SEAP and Monitoring online Catalogue
  - On-time publishing after submitting the template

![Bar chart showing CO2 emissions by sector over years 2005 to 2012.](chart)

- [The SEAP and Monitoring online Catalogue](www.eumayors.eu)
  - On-time publishing after submitting the template

![Polar chart showing sectoral emissions.](polar_chart)

- Municipal
- Tertiary
- Residential
- Public lighting
- Industry
- Transport
- Other
- Non-energy related

![Table showing progress status by sector.](table)

- Completed
- Ongoing
- Not started

End 2014
What will be new in 2015 – 2016?

- Database for technical materials
  - Available in the extranet
  - Uploaded by the CoM community (in national language)
  - Improved exchange of experience

- Better recognition of important stakeholders
  - Local and Regional Energy Agencies
  - Universities
  - Citizens

- More capacity-building events, more webinars
THANK YOU!

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The Covenant of Mayors: recent development and perspectives

Elodie Bossio
Covenant of Mayors Office

Genova 26th March 2014
Recent developments

- **Joint SEAPs - For neighbouring small municipalities**
  - facilitate the exchange of experiences, the collection of data, coordinate the efforts of municipalities;
  - pool skills and resources together for technical support.
  - identify actions that could be eligible for funding
<table>
<thead>
<tr>
<th>Covenant Step: 20% CO₂ reduction target:</th>
<th>Joint SEAP Option 1: Individual target</th>
<th>Joint SEAP Option 2: Shared target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submission of the SEAP template:</td>
<td>Individual 1 BEI per signatory 1 SEAP document with results of their respective BEIs and a set of both individual and common actions..</td>
<td>1 for the group 1 Common BEI 1 SEAP document with results of the common BEI and a set of actions to be undertaken by the group</td>
</tr>
<tr>
<td>SEAP document</td>
<td>1 per Signatory</td>
<td>1 for the group</td>
</tr>
<tr>
<td>Publication of the results</td>
<td>&gt;&gt; 1 joint SEAP &lt;&lt;</td>
<td></td>
</tr>
</tbody>
</table>
Grouped SEAP analysis

- SEAPs developed by CTCs often have common characteristics
- BEIs are established and based on common data sources and approach.
- Common key areas of action.
- The estimates on forecasted energy savings related to the actions are calculated in a consistent way

- JRC analyses in details the methodology and the representative SEAP and provides the feedback report to CTC
Grouped SEAP analysis

- Faster and more detailed analysis
- Easier identification of any criticalities for the methodology adapted
- Detailed feedback received in shorter time
- Applicable to future SEAPs under preparation
For the municipalities >50000 people the SEAP will be analysed on a one to one basis by JRC.

CTCs will group their SEAPs based on the population but also other characteristics, such as:
- geographical and territorial conditions
- existence of industrial, agricultural, protected green areas etc…

For each group, the CTC identifies and communicates a representative plan to JRC.

The CTC provides JRC with a detailed description of the methodology adopted to develop the SEAPs
JRC analyses in details the methodology and the representative SEAP and provides the feedback report to CTC.

In order to support the CTC, JRC performs an automatic analysis of the data inserted in the on-line template in order to identify any possible errors occurred whilst filling in the template.

Based on the outcome of the analysis performed on the methodology and the representative SEAP, JRC will accept/reject all the related SEAPs.
CTC will distribute and follow-up the feedback on the representative SEAP and the methodology to all the SEAPs it coordinates.

Subsequently, JRC will organize a (follow-up meeting) with some of the CTCs’ representatives to discuss the issues raised in the feedback report and the solutions identified by the Coordinator.
Perspectives
What is new in 2014?

- The revised SEAP template & new Monitoring template
  - More user-friendly reporting interface;
  - Real-time notifications on errors and any missing data;
  - Automatic computation of totals and CO₂ emissions data;
  - Automatic generation of a synthesis report of the data provided;
  - Real-time feedback at the submission stage (automatic JRC checks and notifications).
What will be new in 2014?

- The SEAP and Monitoring online Catalogue
  - On-time publishing after submitting the template
What will be new in 2014?

- The Benchmarks of Excellence catalogue
  - Improvement of the search engine (categories)
  - Introduction of financial figures
  - More lively section featuring Top monthly BoEs
What will be new in 2014 – 2016?

- Database for technical materials
  - Available in the extranet
  - Uploaded by the CoM community (in national language)
  - Improved exchange of experience

- Better recognition of important stakeholders
  - LAREAs
  - Universities
  - Associated Partners
  - Citizens

- More capacity-building events, more webinars
5-years of Covenant of Mayors

- Huge mobilisation of local authorities across EU and beyond [6,000 signatories]
- Tipping point in local energy planning [3,500 integrated plans]
- More ambitious targets than EU CO₂ emissions reduction target [30% by 2020]
- Great proximity of local authorities to EU [Europeanisation]
- Reference bottom-up initiative in energy and climate action

Covenant of Mayors success needs to be taken into account in EU policy-making and support continued.
THANK YOU!

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