

An introduction to:

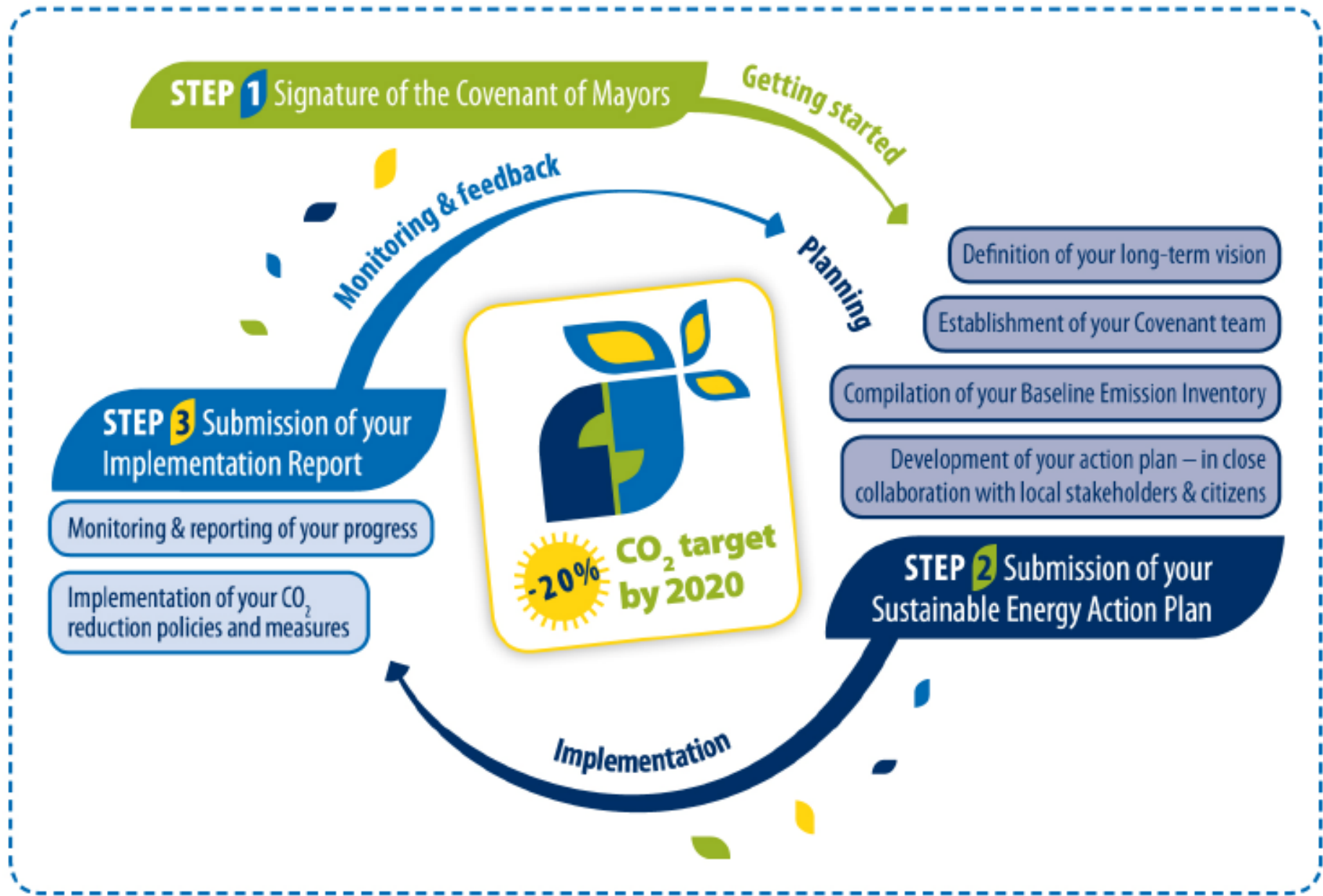
***Covenant of Mayors (CoM) &
Sustainable Energy Action Plans
(SEAPs)***

Nenagh, 1st October 2012

Federica Paina
European Commission
Joint Research Centre (JRC)

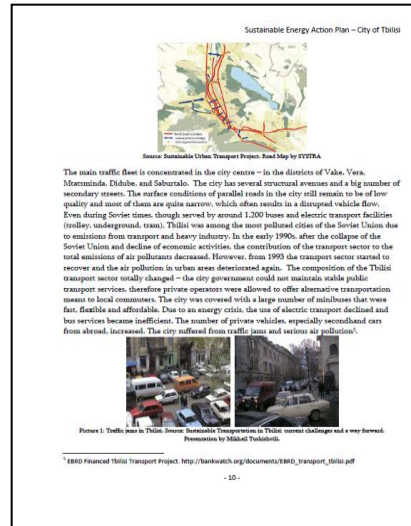
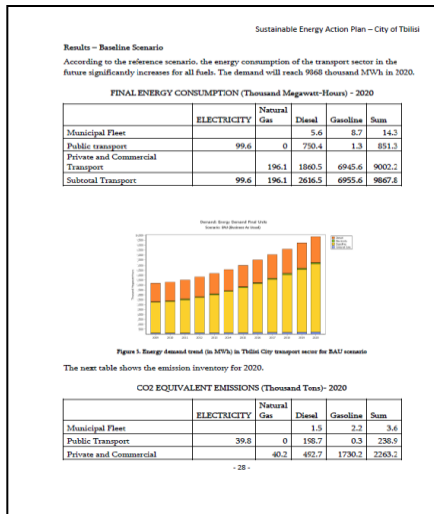
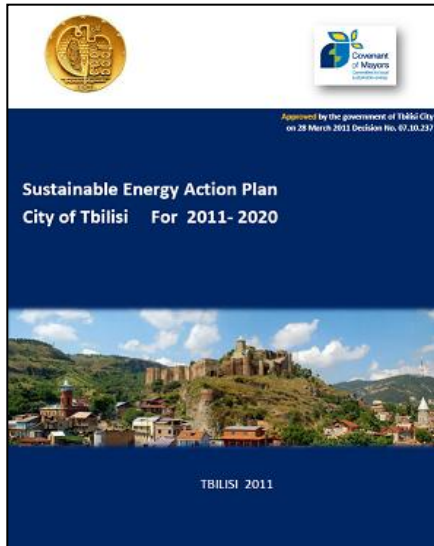
- 1. The Covenant of Mayors' “process”**
- 2. What is a Sustainable Energy Action Plan (SEAP)**
- 3. Support to signatories and the role of the Joint Research Centre (JRC) in the Covenant of Mayors**
- 4. Some figures on the potential of the initiative**

What do Covenant Signatories commit to ?



2. About the Sustainable Energy Action Plan (SEAP)





Sustainable Energy Action Plan – City of Tbilisi

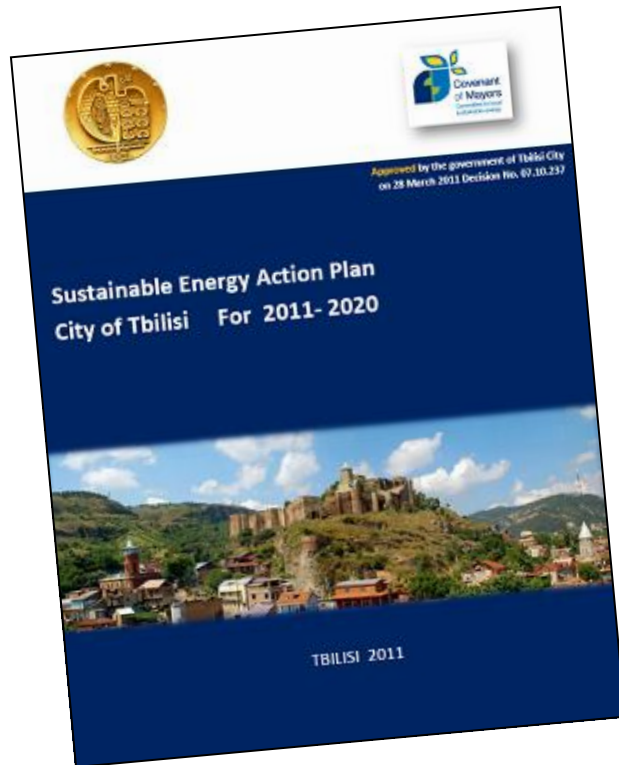
2.4. Action plan in building sector

Activity	Measure	Estimated Energy Savings (MWh/year)	Estimated CO2 Savings (t/year)	Estimated Cost (GEL/year)	Estimated Benefit (GEL/year)
Activity 1: Energy audit of public buildings	Energy audit of public buildings	1,700,000	1,700,000	200,000	200,000
Activity 2: Energy audit of private buildings	Energy audit of private buildings	1,700,000	1,700,000	200,000	200,000
Activity 3: Energy audit of industrial buildings	Energy audit of industrial buildings	1,700,000	1,700,000	200,000	200,000
Activity 4: Energy audit of commercial buildings	Energy audit of commercial buildings	1,700,000	1,700,000	200,000	200,000
Activity 5: Energy audit of residential buildings	Energy audit of residential buildings	1,700,000	1,700,000	200,000	200,000
Activity 6: Energy audit of public buildings	Energy audit of public buildings	1,700,000	1,700,000	200,000	200,000
Activity 7: Energy audit of private buildings	Energy audit of private buildings	1,700,000	1,700,000	200,000	200,000
Activity 8: Energy audit of industrial buildings	Energy audit of industrial buildings	1,700,000	1,700,000	200,000	200,000
Activity 9: Energy audit of commercial buildings	Energy audit of commercial buildings	1,700,000	1,700,000	200,000	200,000
Activity 10: Energy audit of residential buildings	Energy audit of residential buildings	1,700,000	1,700,000	200,000	200,000

11

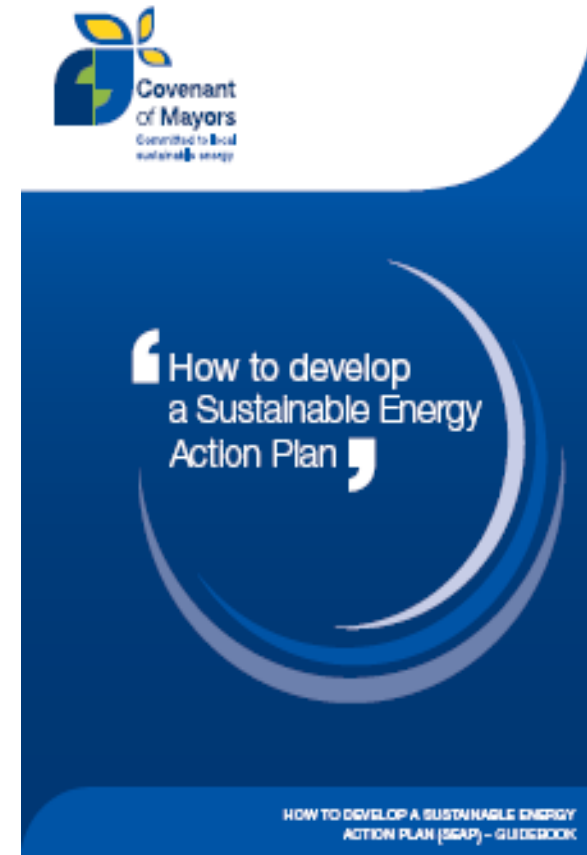
Its nature is threefold:

- ✓ A political document
- ✓ A technical document, reference for the implementation and monitoring of the actions
- ✓ A communication and promotion instrument for the stakeholders

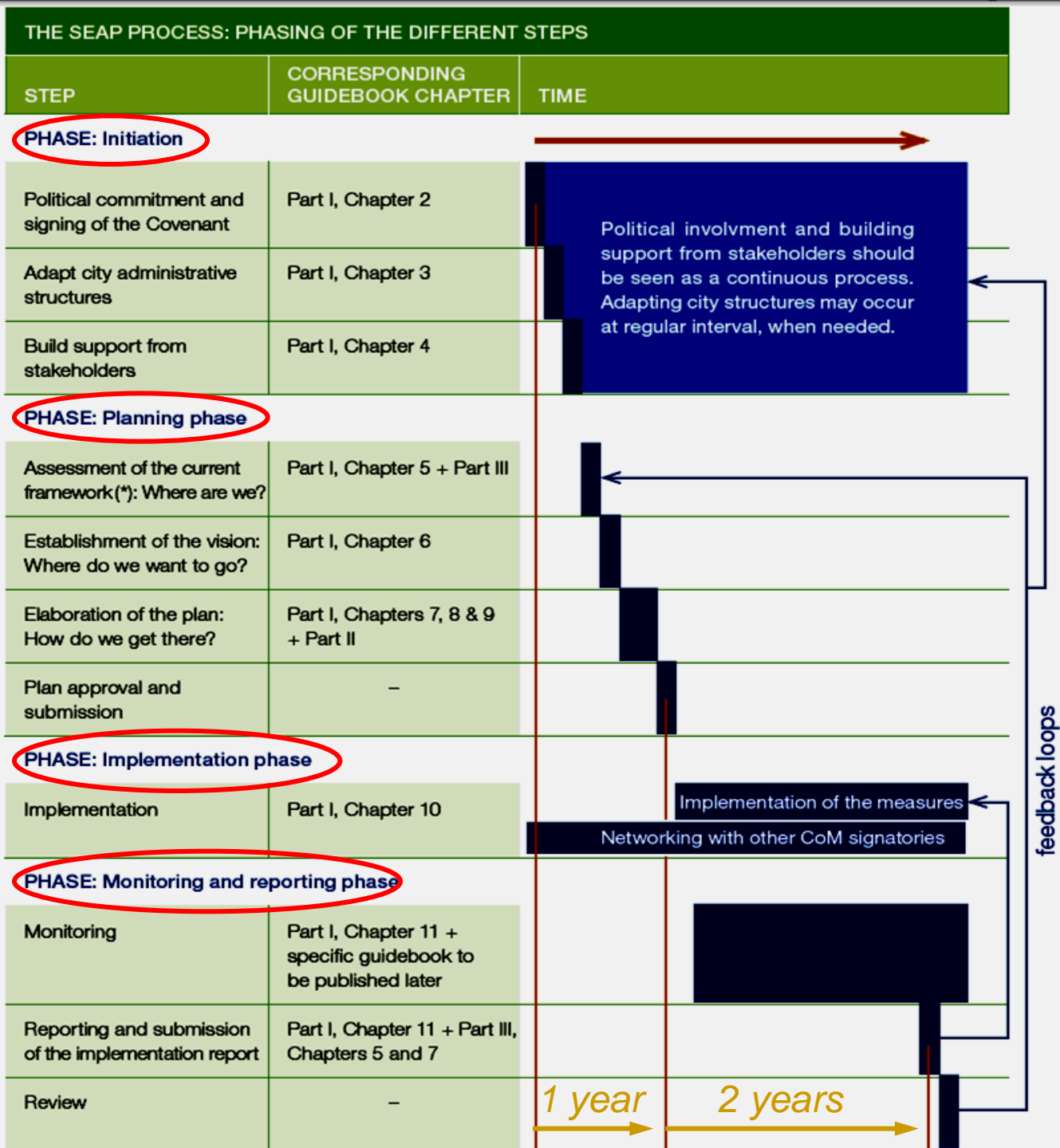


- ✓ The SEAP shows how the Covenant signatories intend to achieve their commitments: **concrete measures** leading to 20% reduction of CO2 emissions by 2020
- ✓ It uses the results of the Baseline Emission Inventory to identify the reference scenario and the best strategy
- ✓ Document **formally approved by City Council**
- ✓ To be summarised in the **SEAP on-line template** in English
- ✓ May be revised on a regular basis (for example every 2 years).

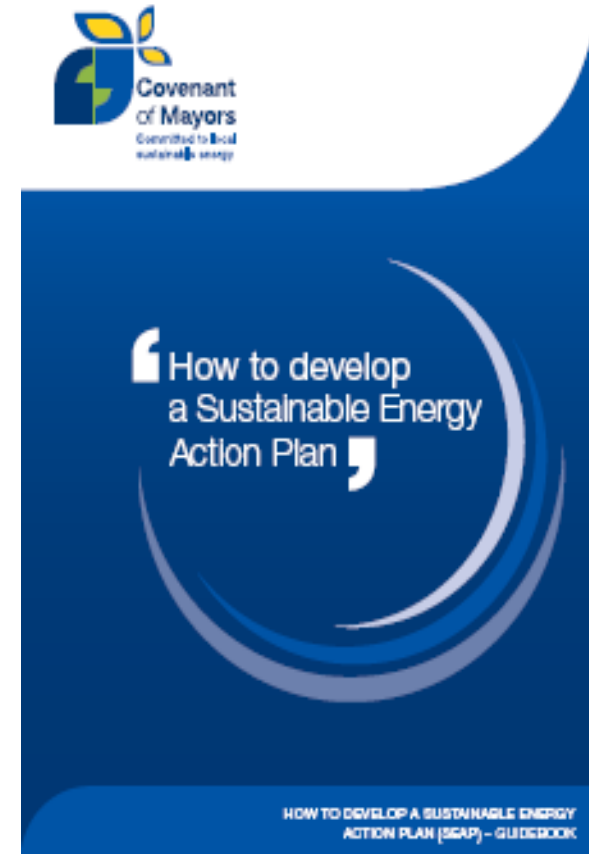
- ✓ **Purpose: help municipalities in the development and implementation of their SEAP**
- ✓ **Divided in 3 parts:**
 - **Part I: General info on the SEAP process step-by-step (towards the 20% target by 2020)**
 - **Part II: Baseline emission inventory**
 - **Part III: Technical measures for energy efficiency and renewable energies**
- ✓ **It can be downloaded from the webpage:**
http://www.eumayors.eu/support/library_en.html
- ✓ **Developed with the support of many experts and practitioners**



From the Guidebook (p.6): The SEAP process



- ✓ Purpose: help municipalities in the development and implementation of their SEAP
- ✓ Divided in 3 parts:
 - Part I: The SEAP process, step-by-step towards the -20% target by 2020
 - Part II: Baseline Emission Inventory
 - Part III: Technical measures for energy efficiency and renewable energies
- ✓ It can be downloaded from the webpage:
http://www.eumayors.eu/support/library_en.html
- ✓ Developed with the support of many experts and practitioners

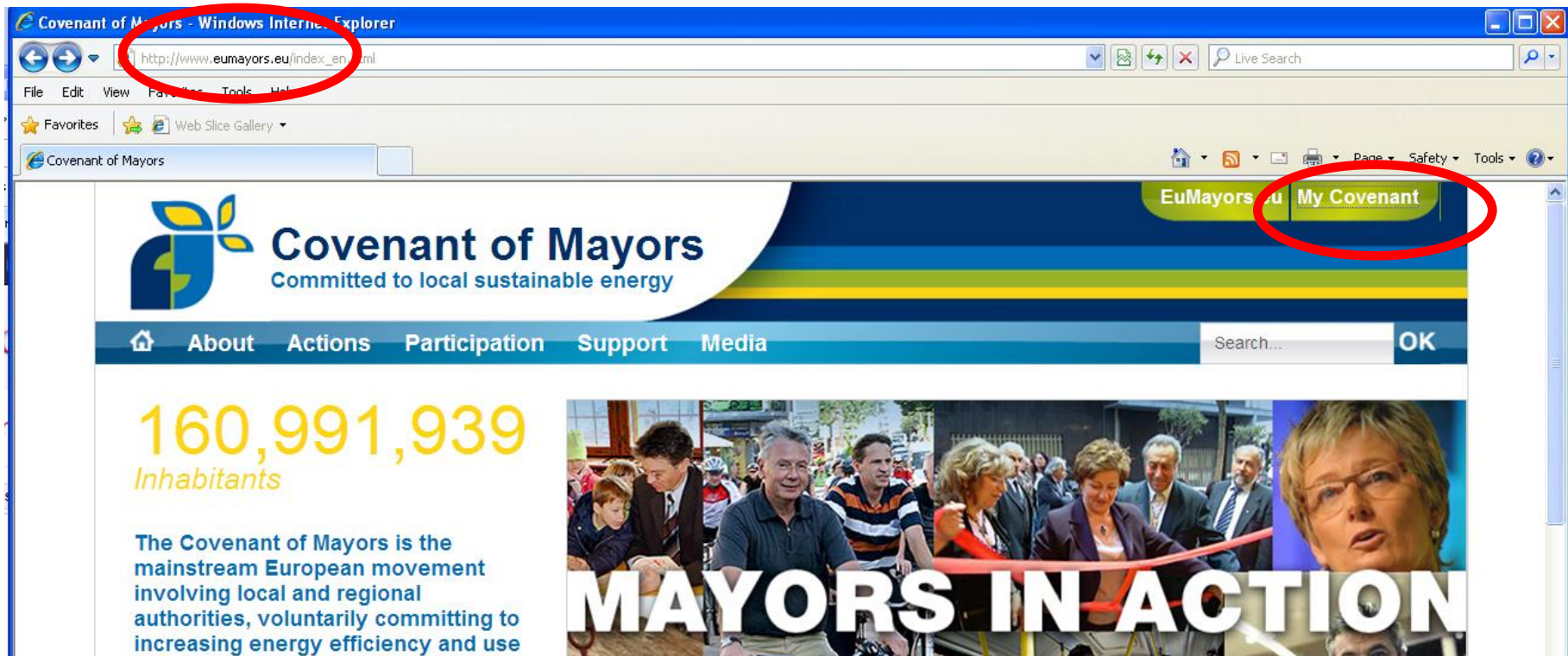


The SEAP submission

www.eumayors.eu



MyCovenant



Covenant of Mayors - Windows Internet Explorer

http://www.eumayors.eu/index_en.html

File Edit View Favorites Tools Help

Covenant of Mayors

EuMayors My Covenant

Covenant of Mayors
Committed to local sustainable energy

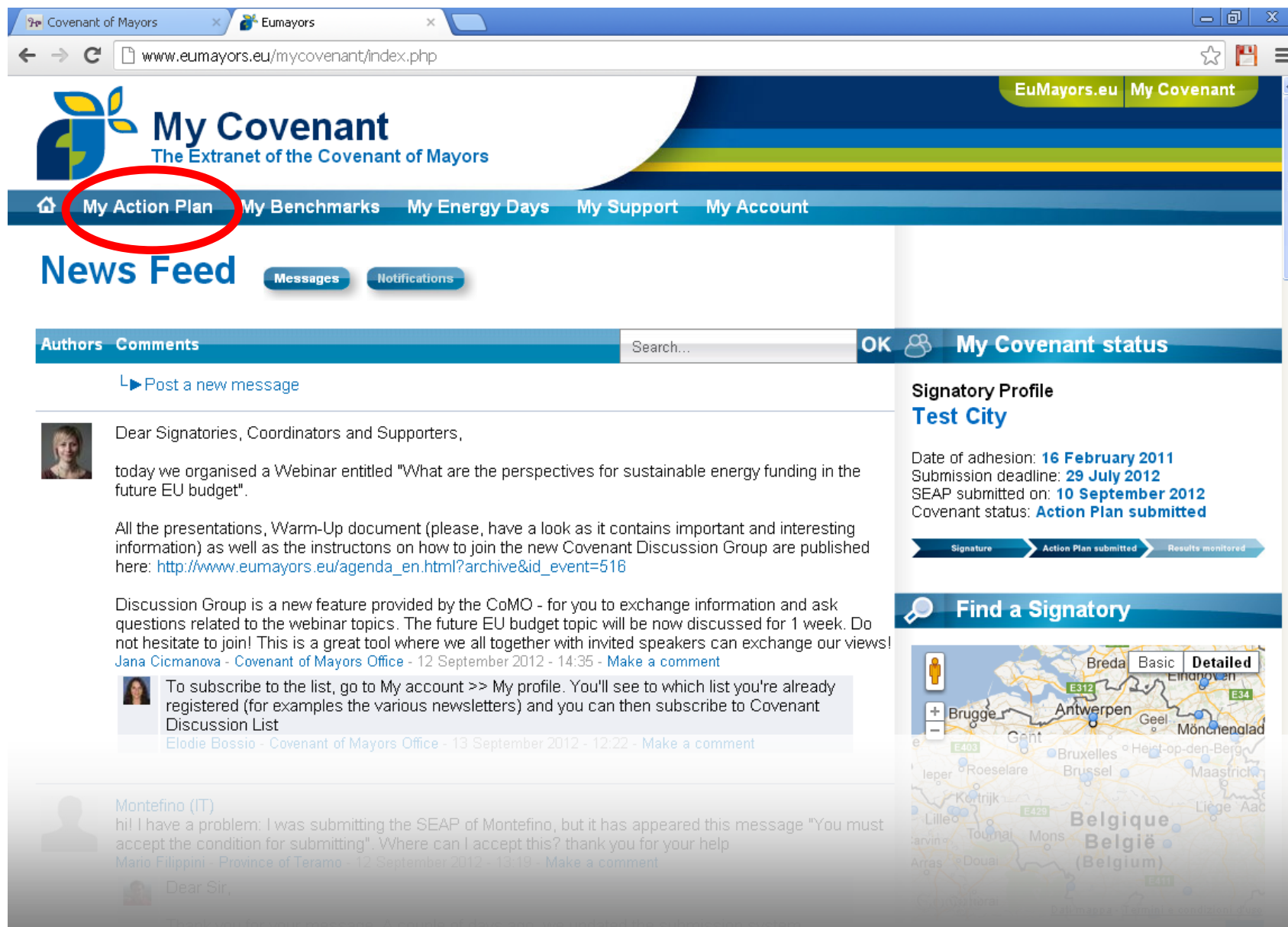
Home About Actions Participation Support Media

Search... OK

160,991,939
Inhabitants

The Covenant of Mayors is the mainstream European movement involving local and regional authorities, voluntarily committing to increasing energy efficiency and use

MAYORS IN ACTION



Covenant of Mayors Eumayors

www.eumayors.eu/mycovenant/index.php

EuMayors.eu My Covenant



My Covenant
The Extranet of the Covenant of Mayors



My Action Plan My Benchmarks My Energy Days My Support My Account

News Feed Messages Notifications

Authors Comments Search... OK My Covenant status

Post a new message


 Dear Signatories, Coordinators and Supporters,
today we organised a Webinar entitled "What are the perspectives for sustainable energy funding in the future EU budget".
All the presentations, Warm-Up document (please, have a look as it contains important and interesting information) as well as the instructions on how to join the new Covenant Discussion Group are published here: http://www.eumayors.eu/agenda_en.html?archive&id_event=516
Discussion Group is a new feature provided by the CoMO - for you to exchange information and ask questions related to the webinar topics. The future EU budget topic will be now discussed for 1 week. Do not hesitate to join! This is a great tool where we all together with invited speakers can exchange our views!
[Jana Cicmanova - Covenant of Mayors Office - 12 September 2012 - 14:35 - Make a comment](#)
 To subscribe to the list, go to My account >> My profile. You'll see to which list you're already registered (for examples the various newsletters) and you can then subscribe to Covenant Discussion List
[Elodie Bossio - Covenant of Mayors Office - 13 September 2012 - 12:22 - Make a comment](#)

 **Montefino (IT)**
hi! I have a problem: I was submitting the SEAP of Montefino, but it has appeared this message "You must accept the condition for submitting". Where can I accept this? thank you for your help
[Mario Filippini - Province of Teramo - 12 September 2012 - 13:19 - Make a comment](#)
 Dear Sir,

Signatory Profile
Test City
Date of adhesion: **16 February 2011**
Submission deadline: **29 July 2012**
SEAP submitted on: **10 September 2012**
Covenant status: **Action Plan submitted**

Signature Action Plan submitted Results monitored

Find a Signatory



3. Support to signatories and the role of the JRC in the Covenant of Mayors

Cooperation among various actors



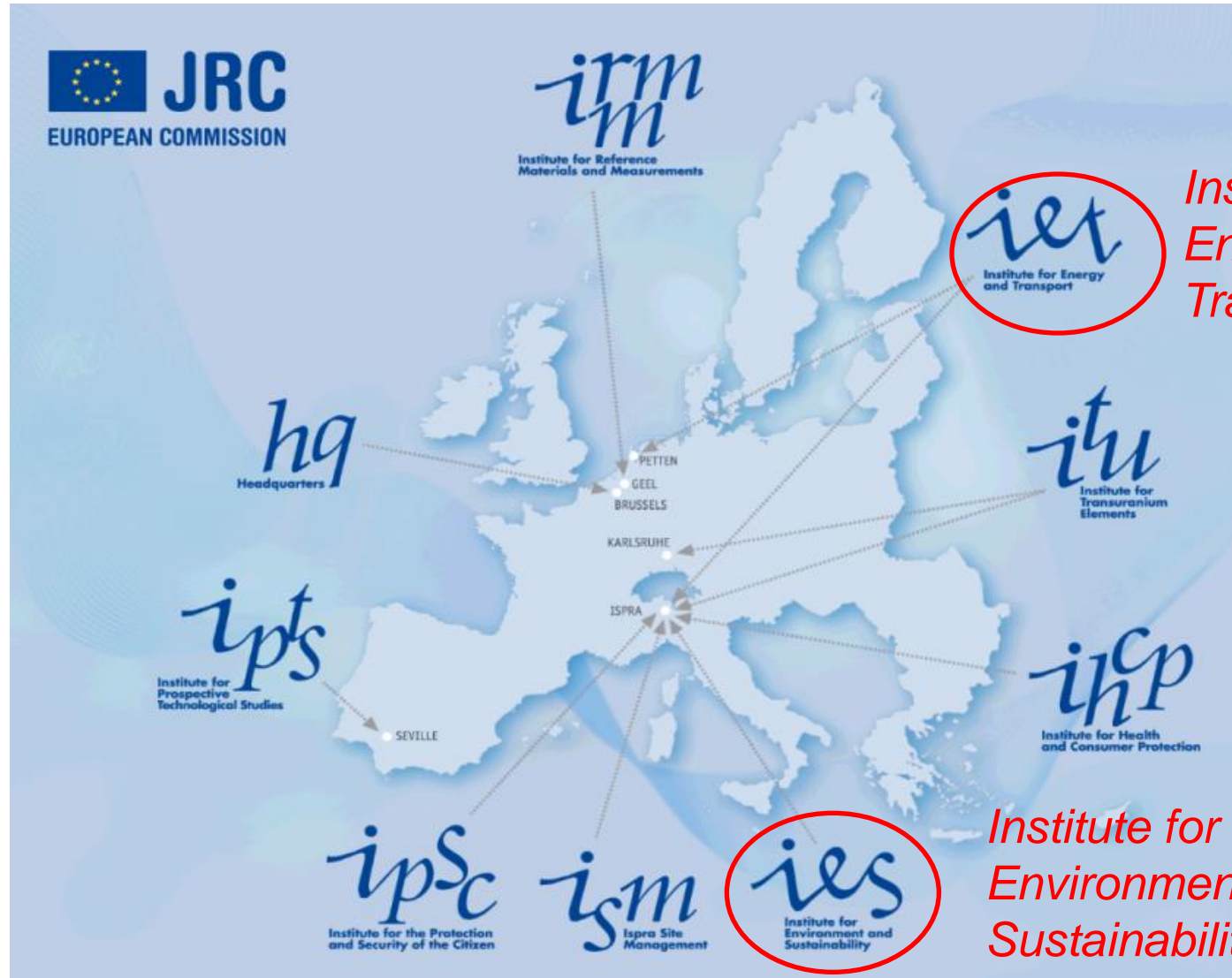
JRC - Robust Science for Policy Making

As a Directorate-General of the European Commission, the JRC provides customer-driven scientific and technical support to Community policy making

Supporting citizen's security, health and environmental protection, safety of food and chemicals, alternative energies, nuclear safety, econometrics, prospective technologies...



The European Commission in-house science service



*Institute for
Energy and
Transport*

*Institute for
Environment and
Sustainability*

JRC is providing the scientific and technical support to the CoM initiative

Some key tasks:

- ✓ Development of the Sustainable Energy Action Plan (SEAP) guidebook;
- ✓ Operation of the technical helpdesk service in collaboration with CoMO;
- ✓ Analysis of submitted SEAPs, with feedback to Covenant cities;
- ✓ Monitoring of the CoM implementation, including the development of specific monitoring & reporting guidelines;
- ✓ Analysis of the submitted implementation reports;
- ✓ Overall evaluation of the impact of the initiative.

4. Some figures on the potential of the initiative

Together they represent:

- 79.6 million inhabitants (48% of CoM population)
- 476 million tons CO₂ (6,0 tons per capita)¹

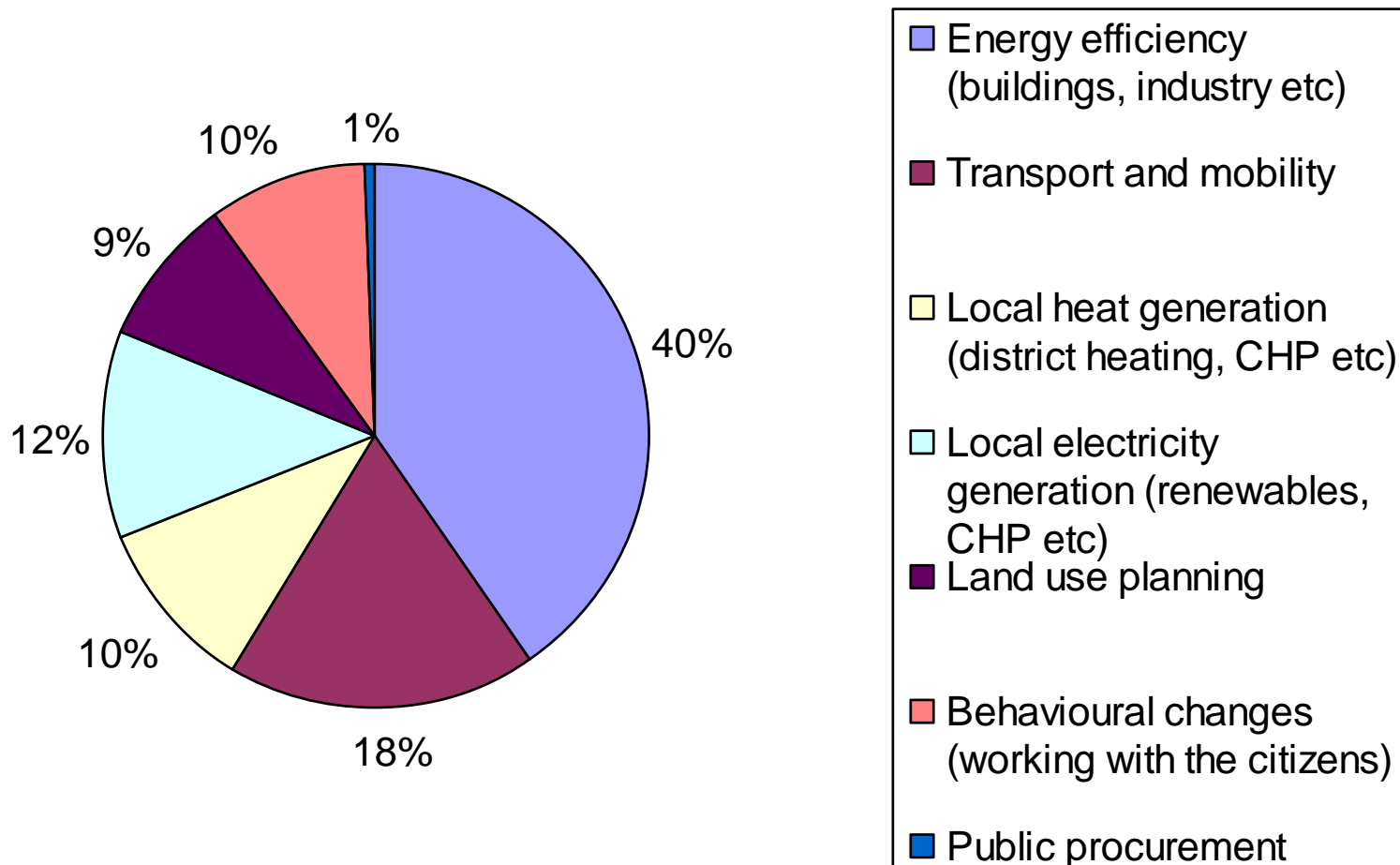
Together they commit to reducing by 138 million tons:

Potentially 1/3 emission reduction!

¹ Lower than the EU average (8 tons per capita) due to the fact that some sectors are specifically excluded (industrial ETS)

Anticipated share of the total CO₂ reduction by 2020 per type of measure/sector

Expected contribution per sector / field of action



Based on a sample of 425 SEAPs containing 10586 measures

Thank you for your attention!

Federica Paina

+39 0332 78 5368

Federica.Paina@ec.europa.eu

IET - Institute for Energy and Transport

Petten - The Netherlands & Ispra - Italy

<http://ie.jrc.ec.europa.eu/>

<http://www.jrc.ec.europa.eu>