



This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 785033.



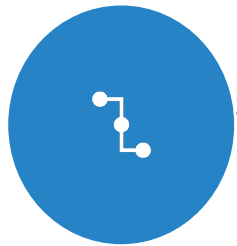
# CoME EASY package for sustainable and smart climate planning: first results

Chiara Tavella, Spes Consulting

# CONTENTS

---

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 785033.



Who we are



Main pillars and goals



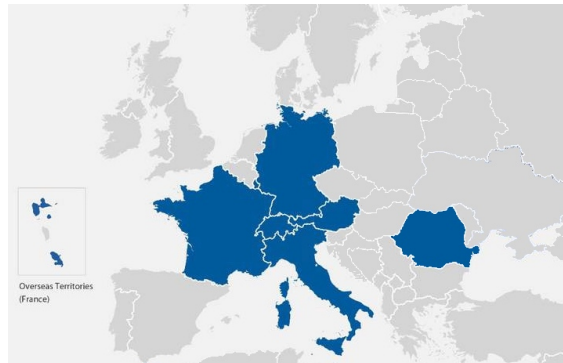
Where we are: the package and the tools



First examples and lessons learnt from Merano (next presentation)



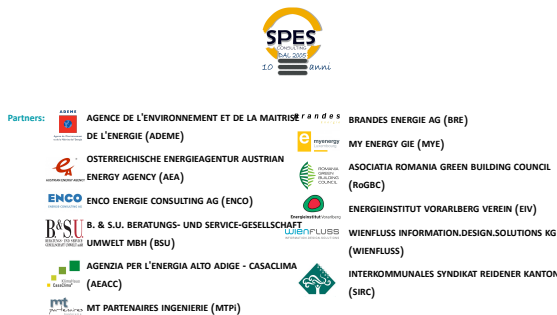
Questions



## Project Consortium and Ambassador cities

The CoME EASY Ambassador Municipalities are:

- **Austria:** Dornbirn, Feldkirch, Klagenfurt
- **France:** Ville de Besançon, Grand Besançon, Brest Métropole, Vienne Condrieu Agglomération
- **Germany:** Lörrach, Ludwigsburg
- **Italy:** Firenze, Merano, Montaione
- **Luxemburg:** Beckerich
- **Romania:** Iași, Vama Buzăului
- **Switzerland:** Lausanne, Lumino, St. Gallen



At least further 77 cities will join in the roll-out-phase within Apr'21.

# CoME EAsy Project: Goals



This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 785033.



# Mutual reinforcement

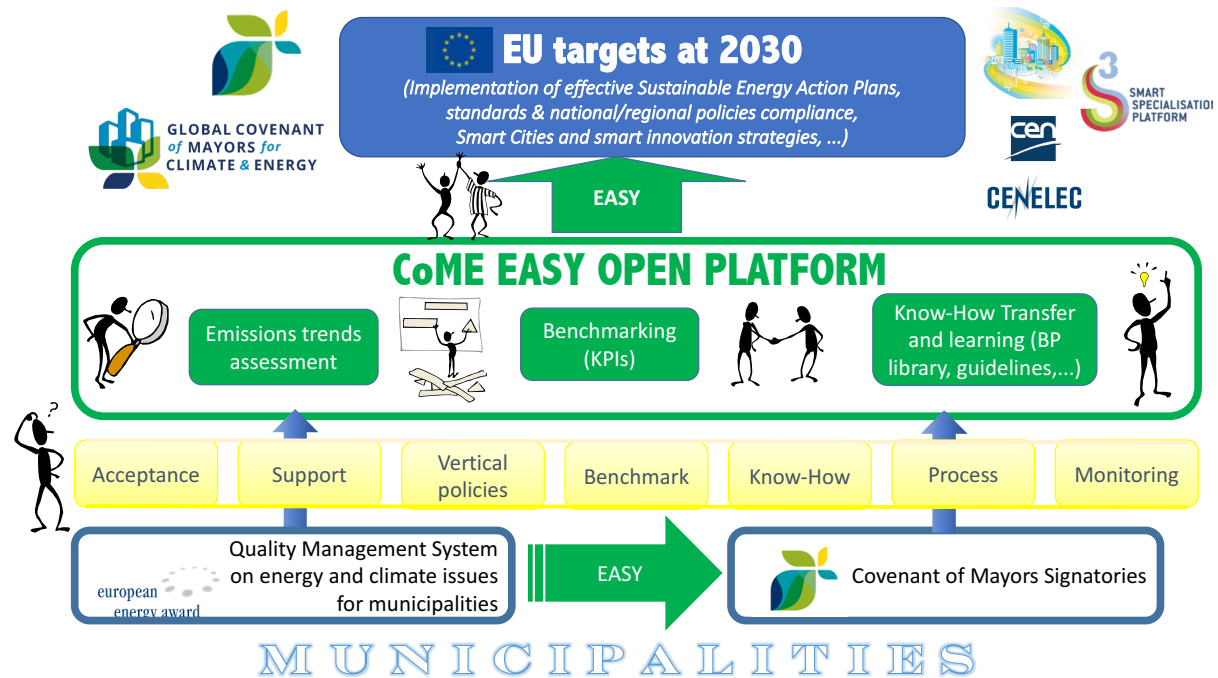
## How?

### CONNECT INITIATIVES AND FACILITATE CROSS FERTILISATION

#### TOOLS UNDER DEVELOPMENT

- **Assess trends:**
  - Emission Path tool
- **Facilitate reporting:**
  - SECAP creator / Iso facilitator
  - Mitigation impacts calculator
  - Buildings database
- **Benchlearn:**
  - *Best Practices library*
  - *KPIs dashboard*
  - *Stakeholders' engagement guidelines (co-production)*

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 785033.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 785033.

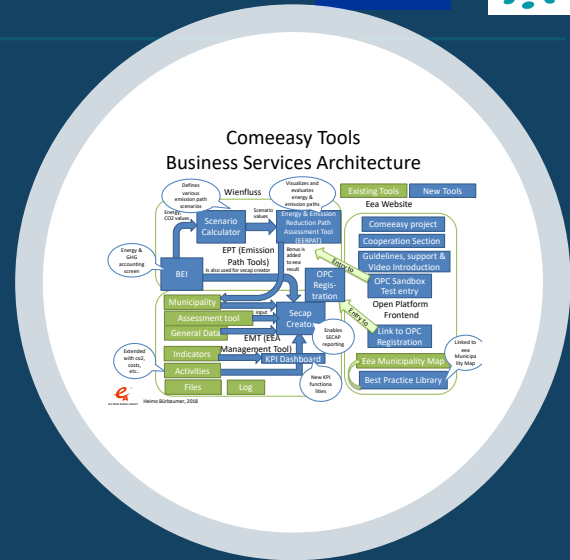




Memorandum of Understanding (MoU)  
between  
European Energy Award (eea)  
and  
Covenant of Mayors  
for Climate & Energy - Europe (CoM-Europe)



Smart City Guidance Package  
A Handbook for Integrated Planning and Implementation of Smart City projects  
J. Aebischer, van den Broek, J. Fabian, R. Ghisla, E. Conca, J. Ringler



# First results



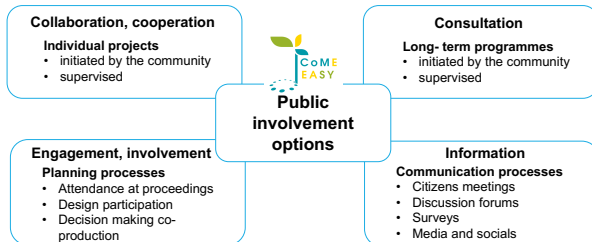
## Focus on CoME EASY GUIDELINES for stakeholders' engagement

The guide (April 2019) has been designed for people involved in energy and climate planning, supporting working teams and leaders in the engagement of relevant stakeholders for a **trans-disciplinary co-production process**.

The aim is to **transfer from partners knowledge good practices and lessons learnt**, together with practical tips and tricks that can be used by further municipalities in this fundamental, but also difficult, process.

There is no unique solutions, but methodologies and tools that have been already tested and that can be easily adopted with few adaptations.

It is important to know that **engagement processes must be managed** to achieve good results and should have clear rules, dedicated resources and realistic expectations (from both sides).



**Thank you for  
your attention!**



*[european-energy-award.org/eu-project-come-easy/](http://european-energy-award.org/eu-project-come-easy/)*

*[info@spesconsulting.com](mailto:info@spesconsulting.com)*





Co-funded by the Horizon 2020  
Framework Programme  
of the European Union



---

# First experiences from the Ambassador city of Merano

**Madeleine Rohrer,**

**City Councilor (in charge of urban planning, energy, mobility, environment)**

**Municipality of Merano, Italy**

# THE MULTIPLE ENGAGEMENT OF MERANO

Co-funded by the Horizon 2020  
Framework Programme  
of the European Union



## Energy and Climate: the long-term commitment of the municipality of Merano



**Merano, South Tyrol, Italy**

**Total municipal area:** 26,24 km<sup>2</sup>

**Inhabitants:** 40.862

**International tourist destination** with more than 1.100.000 annual overnight stays (7.000.000 considering the surrounding area)

The municipality is involved in several initiatives:

- Member of the Climate Alliance since 1996
- Signature of the Covenant of Mayors in 2012, SEAP submitted in 2014, last monitoring reporting in 2017
- Adhesion to the eea/ ComuneClima in 2016 - eea awarding in 2019



# THE CoME EASY PROJECT

Co-funded by the Horizon 2020  
Framework Programme  
of the European Union



**CoME EASY project:** useful support for the development, implementation and monitoring of a SECAP with 2030 targets



Opportunities in participating in the CoME EASY project:

- better integration of the quantitative approach of the CoM with the process-based approach of the eea
- use of the CoME EASY tools to optimize the municipal work in the field of energy and climate, avoiding overlapping and double reporting for the different initiatives
- more visibility to our implemented actions and successful projects through the collection and publication of best practices that will be made available to other interested municipalities for further replication
- benchmarking with cities involved in other initiatives using common KPIs

# THE INTERNAL ORGANISATION

Co-funded by the Horizon 2020  
Framework Programme  
of the European Union

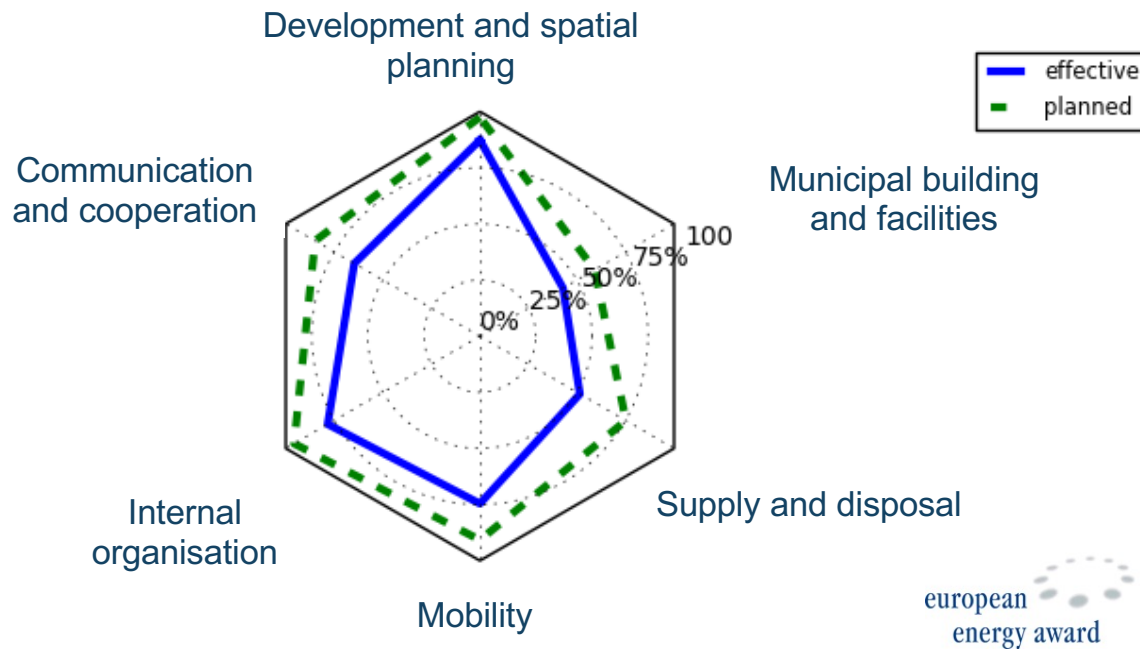


In order to efficiently coordinate all climate protection and energy policy measures, the eea energy team has been expanded to other departments to form a cross-sector unit called **"Special Unit for Climate Protection and Adaptation to Climate Change"**.

Our experience with the implementation of the eea has shown that a greater involvement of all concerned departments and municipal staff in the decision-making process facilitates the adoption of energy and climate measures and their implementation with overall better results.

# OUR RESULTS

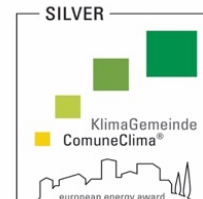
## eea assessment 2019



**Last external assessment in 2019: 66,6%**

Previous external assessment in 2017: 47,6%

europa  
energy award



Main results achieved in the last 2 years (award & audit 2019):

- revision of the city's masterplan
- new sustainable urban mobility plan
- revision of the Building Regulations to include measures for the protection of green areas
- energy refurbishment of municipal buildings
- final approval of the project for the new biomass district heating plant (8 MW)

# BEST PRACTICE EXAMPLES

Co-funded by the Horizon 2020  
Framework Programme  
of the European Union



## Awareness campaign on urban mobility “Together, side by side”

Aims: promoting greater respect among road user groups in order to increase security and foster sustainable urban mobility.

Awareness campaign on urban mobility "Together, side by side" Mitigation

IT EN X

### General Information

**Title:** Awareness campaign on urban mobility "Together, side by side"

**Municipality Name:** Meran/Merano

**Country:** Italia

**Geoposition:** 46.6669, 11.1623 [Google Maps](#)

**Inhabitants:** 39,462

**Short description:** The 'Together, side by side' awareness campaign aims to promote greater respect and greater security to increase the level of urban sustainable mobility.

### Categorization

**EEA area:** Mobility

**Sector:** Transport

**Area of intervention:** Modal shift to walking & cycling

**Type of policy instrument:** Awareness raising/training



# BEST PRACTICE EXAMPLES

Co-funded by the Horizon 2020  
Framework Programme  
of the European Union



## Energy refurbishment of the middle school “Karl Wolf”

One of the most energy-intensive municipal building has been transformed into a NZEB thanks to the redesign and refurbishment of the building envelope.

Riqualificazione energetica della scuola media Wolf

Mitigation

IT

×

### General Information

**Title:** Riqualificazione energetica della scuola media Wolf

**Municipality Name:** Meran/Merano

**Country:** Italia

**Geoposition:** 46.669, 11.1623 [Google Maps](#)

**Inhabitants:** 39,462

**Short description:** La riqualificazione energetica della scuola Wolf, edificio fra i più energivori fra quelli di propria fattispecie, ha un fabbisogno energetico attualmente previsto per gli edifici di nuova costruzione.

### Categorization

**EEA area:** Municipal buildings & facilities

**Sector:** Municipal buildings, equipment/facilities

**Area of intervention:** Building envelope

**Type of policy instrument:**



# BEST PRACTICE EXAMPLES

Co-funded by the Horizon 2020  
Framework Programme  
of the European Union



## The protection of private green areas

The Building Regulations have been amended with new obligations for private owners in order to remedy the progressive disappearance of private green areas and improve the landscape and ecological qualities of the city.

Tutelare il verde privato

Adaption

IT



### General Information

**Title:** Tutelare il verde privato

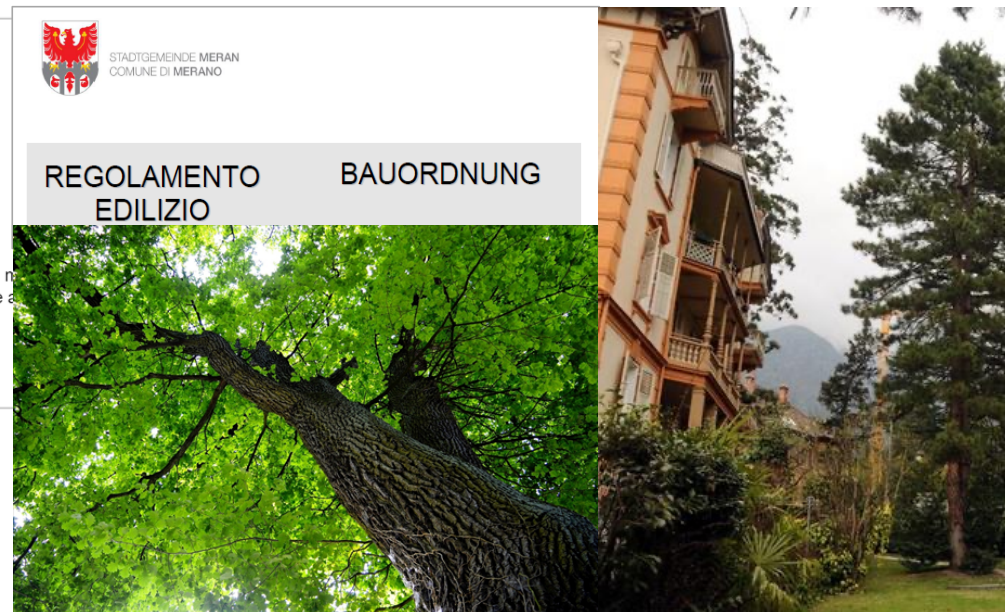
**Municipality Name:** Meran/Merano

**Country:** Italia

**Geoposition:** 46.669, 11.1623 [Google Maps](#)

**Inhabitants:** 39,462

**Short description:** Per porre un rimedio alla progressiva scomparsa delle aree verdi private e reintrodurre nuove aree verdi, il Comune di Merano ha introdotto nuovi obblighi per i privati nel caso di modifica di aree adibite a



### Categorization

**EEA area:** Development & spatial planning strategy

**Sector:** Others

**Area of intervention:** Tree planting in urban areas

**Type of policy instrument:** Land use planning



# CALCULATION AND USE OF KPIS

Co-funded by the Horizon 2020 Framework Programme of the European Union



KPIs already in use have been integrated with CoME EASY KPIs.

Already collected: 10/11 mandatory KPIs ,13/21 optional KPIs, 7/7 general data

	SUB-CATEGORY	INDICATOR	UNITS	2005	2010	2015	2017	2018	2019	SOURCE	IS THIS INDICATOR USEFUL FOR CITY	IS POSSIBLE FOR YOU TO CALCULATE	Comments	
STRATEGY & PLANNING	general	size	km2	26,34	26,34	26,34	26,34	26,34	26,34	Municipal cartography	YES	YES	calculation of other indicators	
	Planning	Land use	number				0,170325854	0,339898316			ISPRA-Data of land consumption in hectares for Merano (years)	YES	YES	the data available on ISPRA website. No data yet available from the
		Climate resilience strategy & risk reduction analysis	Urban scale						4			YES	YES	Adaptation options and measures have been identified
		Existence of local sustainability/climate plan, CoM signature	YES/NO							YES		YES	YES	CoM signature: 2012 SEAP adoption: 2014 Last MEI:
		Existence of Smart Cities strategies	YES/NO							YES	Department of Innovation	YES	YES	
	Monitoring	Frequency of monitoring and indicator calculation	months						12-36 months	Energy Team	YES	YES	internal eea audit + external audit at	
	Participation	participation: voters to last municipal elections	% of eligible population			56,40%				ASTAT	YES	YES		
	social inclusion	Social housing stock	%								YES	NO	No data yet available.	
PA & GOVERNANCE	ENERGY IN THE PA	public building consumption	MWh/cap/yr	2,39680355	2,140181530	2,231564543				municipal energy manager-	YES	YES		
		Vehicle consumption	MWh/cap/yr	0,014212685	0,012348285	0,011175308				municipal energy manager-	YES	YES		
		Public lighting consumption	MWh/cap/yr	0,074518285	0,071353439	0,067203892				municipal energy manager-	YES	YES		
		electricity by RES	%			100%	100%	100%	100%	municipal energy manager	YES	YES		
		Heat by RES	%			0	0	0		municipal energy manager	YES	YES		
	services efficiency	Municipal solid waste per capita	t/cap/yr		0,6	0,54	0,53				ISPRA	YES	YES	
		Recycling rate	% of tonnes		50,64%	52,82%	57,77%				ISPRA	YES	YES	
		Liters of water used per capita	liters/cap/year			260					ISPRA ASM publication (water)	YES	YES	this data needs further investigation (which sectors are)
		Water losses	%									YES	NO	No data yet available.
		Access to public free WiFi	% of m2									NO	NO	

# EMISSION INVENTORIES & REDUCTION PATHS

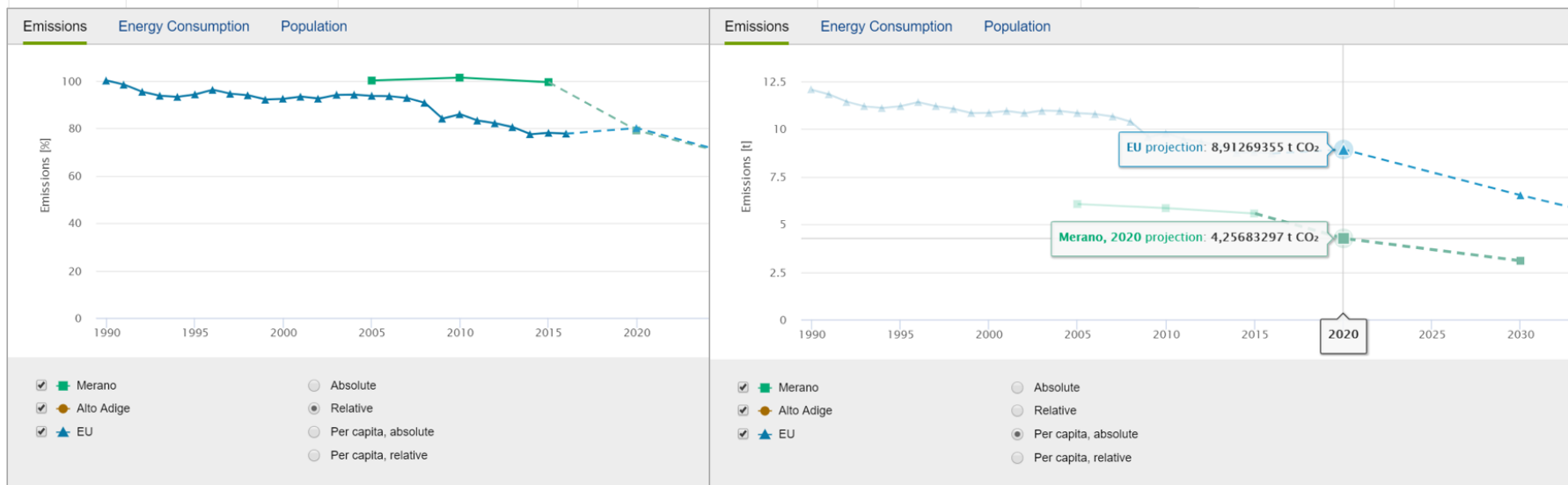
Co-funded by the Horizon 2020 Framework Programme of the European Union



Emission inventory data collection (MEI 2018 ongoing for the SECAP development) and reduction scenarios

## Energy & Emissions

Year	Inhabitants	Energy	Emissions	Energy p. Cap.	Emissions p. Cap.
2005	36.502	799.207 MWh	220.924 t CO <sub>2</sub>	21.894,88 kWh	6.052,39 kg CO <sub>2</sub>
2010	38.299	816.360 MWh	223.639 t CO <sub>2</sub>	21.315,44 kWh	5.839,30 kg CO <sub>2</sub>
2015	39.462	804.355 MWh	219.468 t CO <sub>2</sub>	20.383,03 kWh	5.561,51 kg CO <sub>2</sub>





**THANK YOU FOR YOUR  
ATTENTION**



# **Quality Management Systems as tools to implement smart Energy and Climate Action Plans - the European Energy Award**

**Covenant of Mayors Investment Forum**

**Brussels 18.02.2020**



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 754104. The sole responsibility for the content of this material lies with the authors. It does not necessarily represent the views of the European Union, and neither EASME nor the European Commission are responsible for any use of this material.

## Implement – What is it about?

- Roll out the European Energy Award quality management system and certification scheme in four EU member states
  - Capacity Building: empower municipalities to implement climate strategies based on integrated energy and climate plans
  - Measureable energy, CO<sub>2</sub> and costs savings as well as increasing production and consumption of renewable energy in 30 pilot municipalities
  - Labelling of municipalities ensuring quality standards and positive recognition
-

# Why European Energy Award?



Evaluation of Municipal Energy Concepts

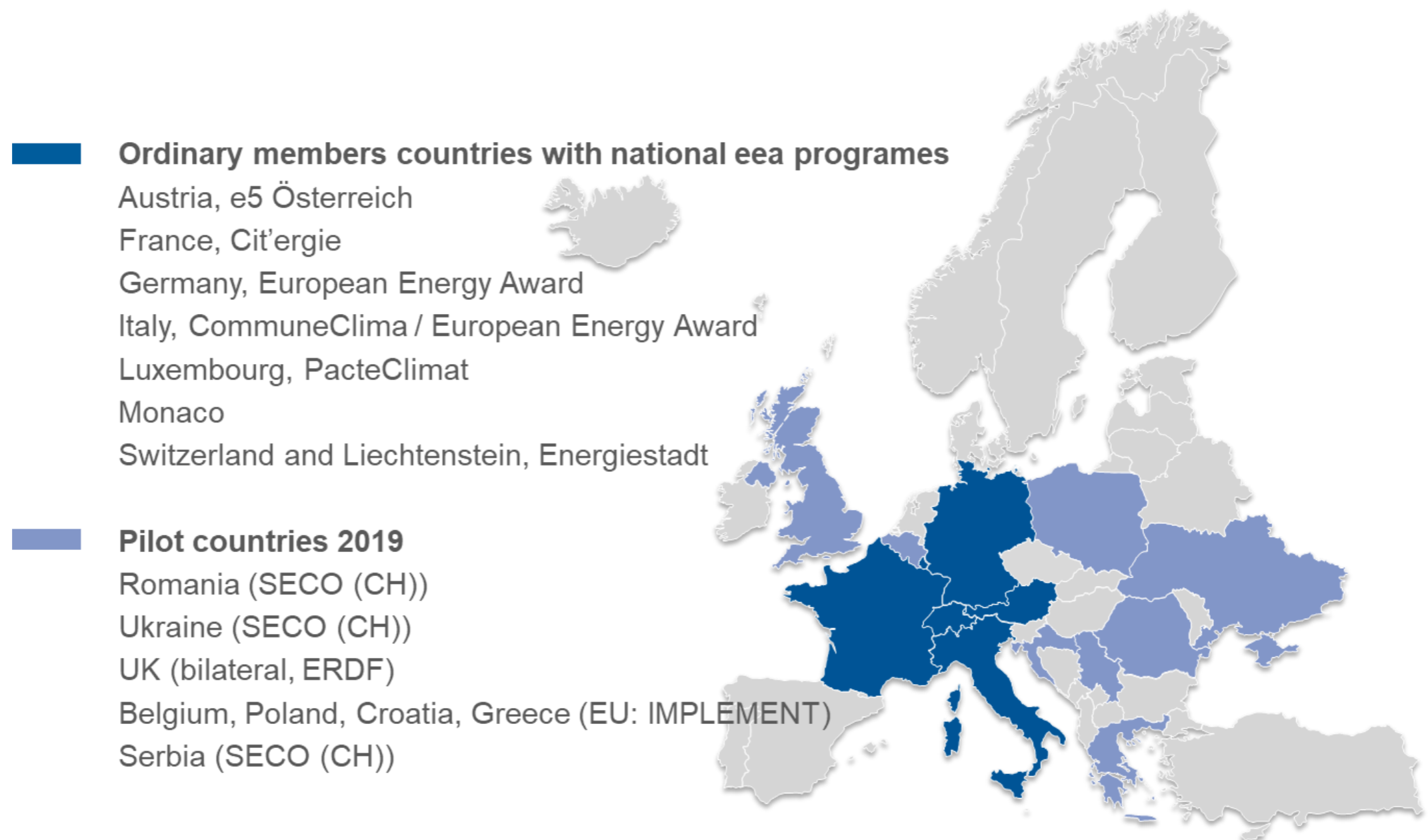


5% Implemented  
10% Known  
90%



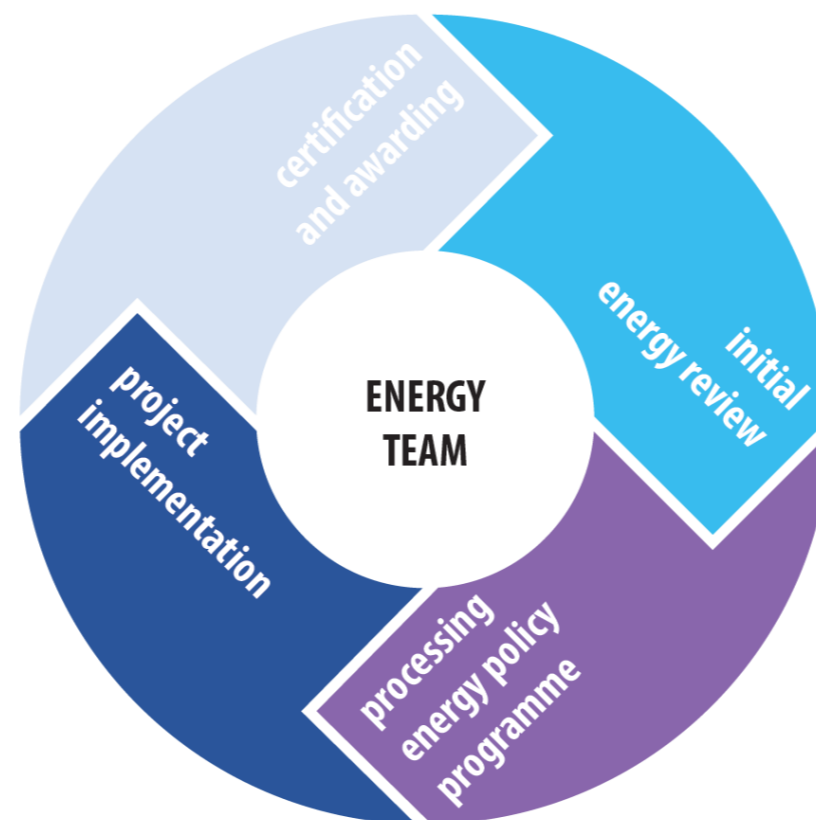
**Municipalities wants to implement!**

# Which countries a covered?



# What is the European Energy Award?

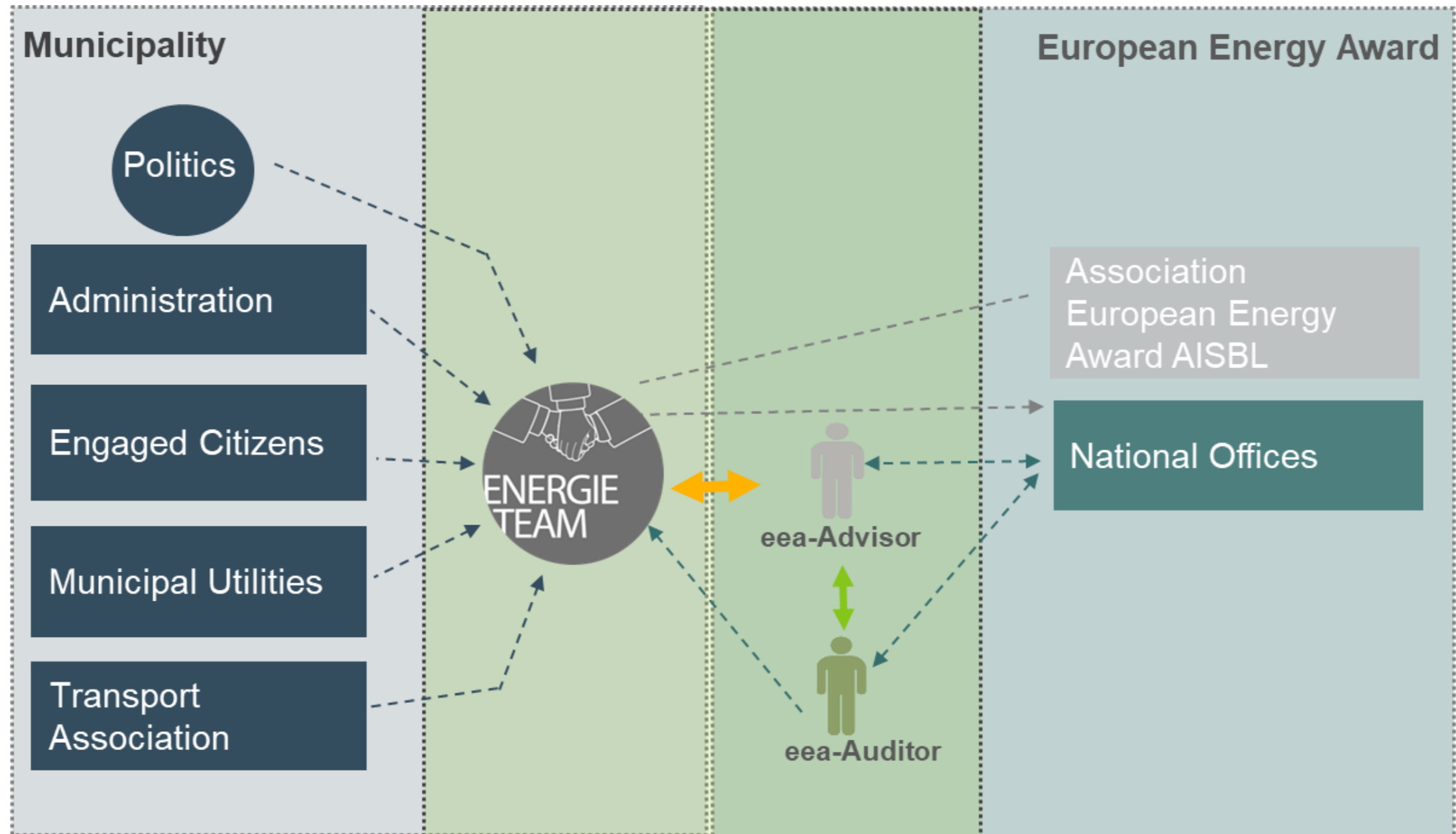
**The European Energy Award** is dealing with energy- and climate policy **as a process**, rather than a project.

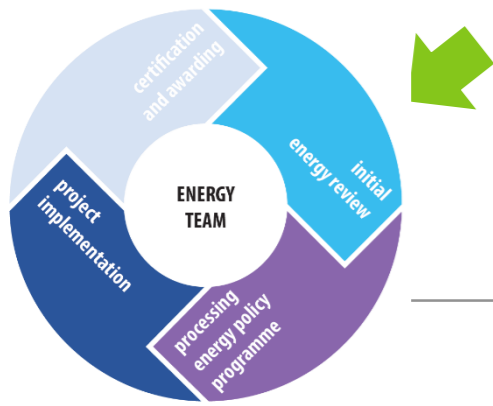


It offers a strong and sound **basis for decision** in order to plan and monitor local climate policy



# Who are the actors in the process?

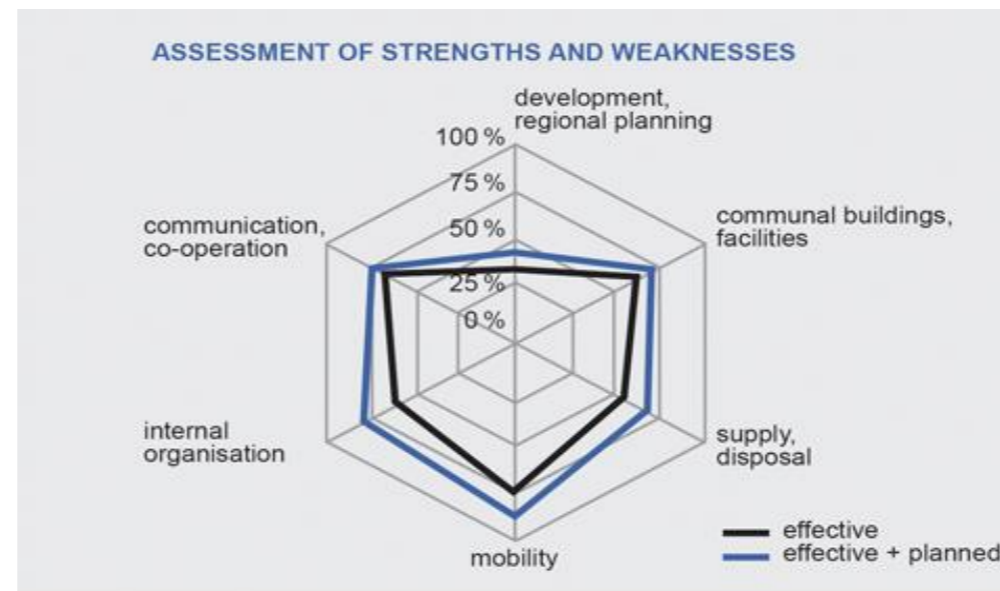


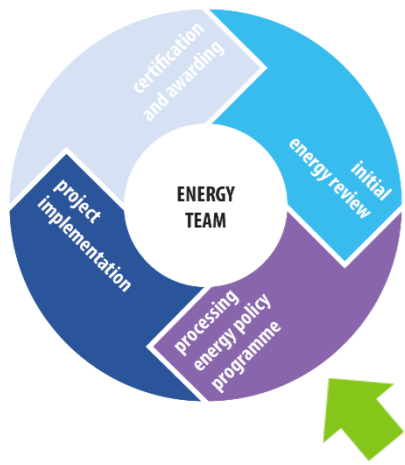


# Step 1- Initial Energy Review

The Energy Team and eea advisor review which measures within the municipality's scope of action have already been implemented and identify areas that still provide potential for improvement.

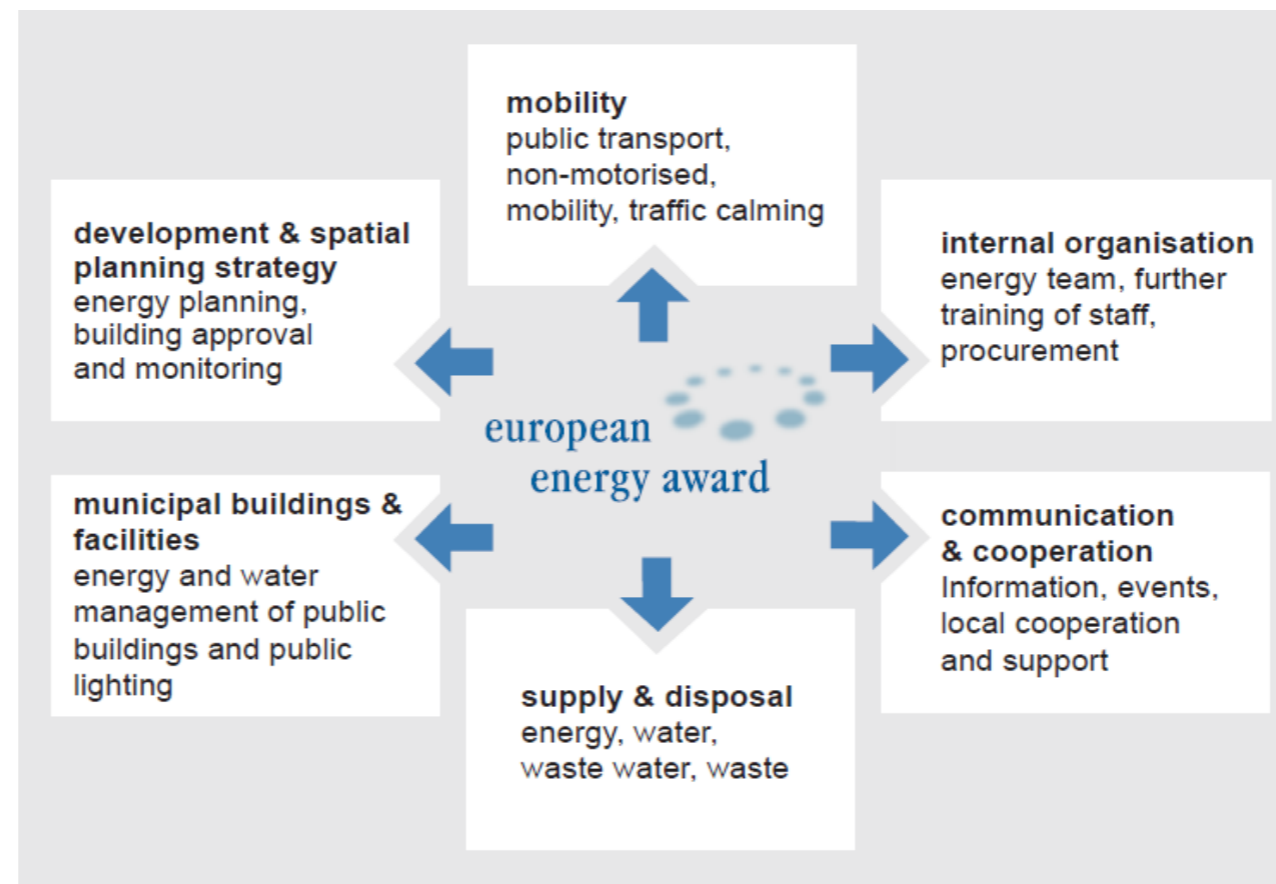
From this initial energy review a report is created that sets out the municipality's individual profile of strengths and weaknesses.

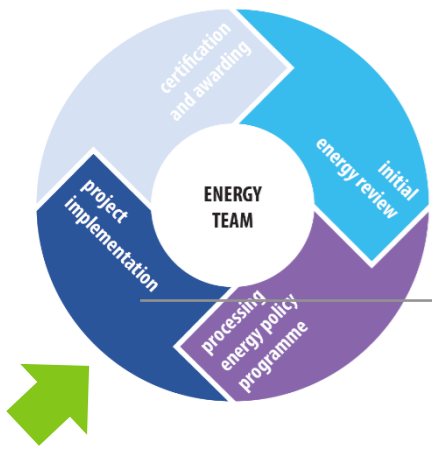




## Step 2- Initial Energy Policy Programme

Based on the results of the initial energy review, the Energy Team prepares an energy policy programme, which defines a binding programme of activities for subsequent years and sets out responsibilities and deadlines.



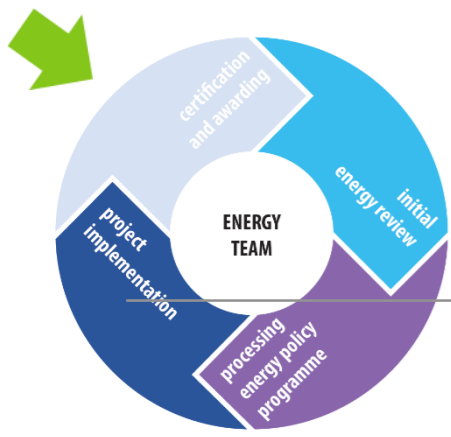


## Step 3- Project Implementation

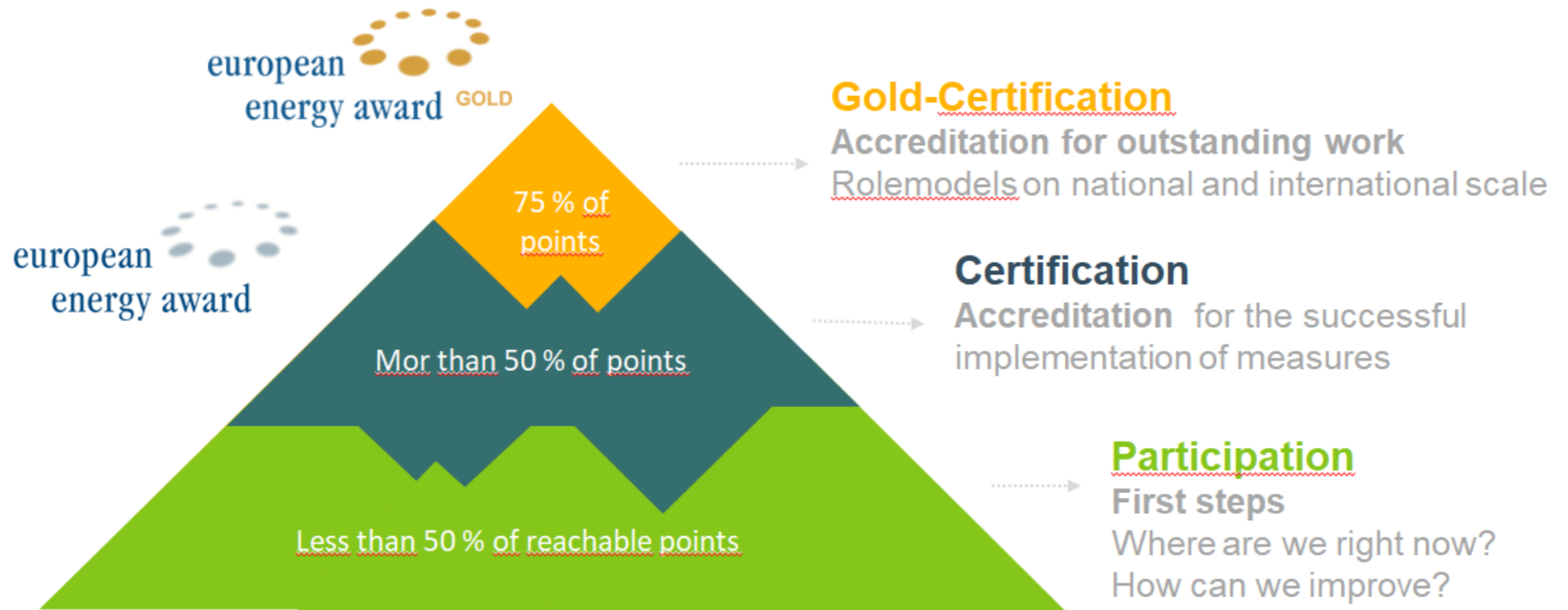
The activities defined in the energy policy programme are implemented by policymakers, the administration and private individuals- the eea-consultant helps to identify the most suitable measures.

Positive effects of implementing the energy policy programme:

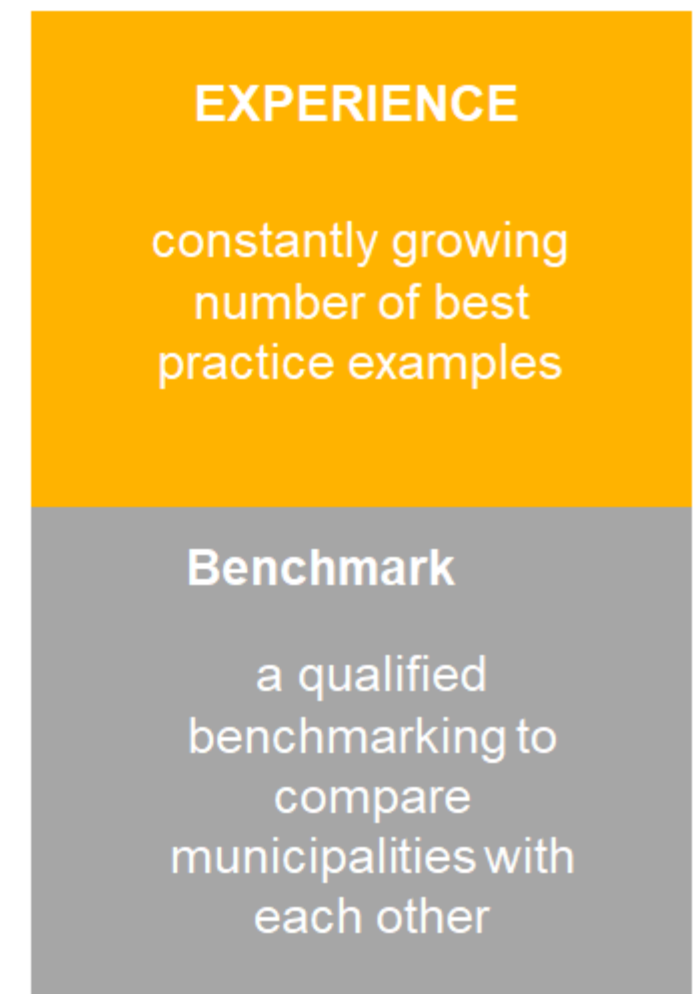
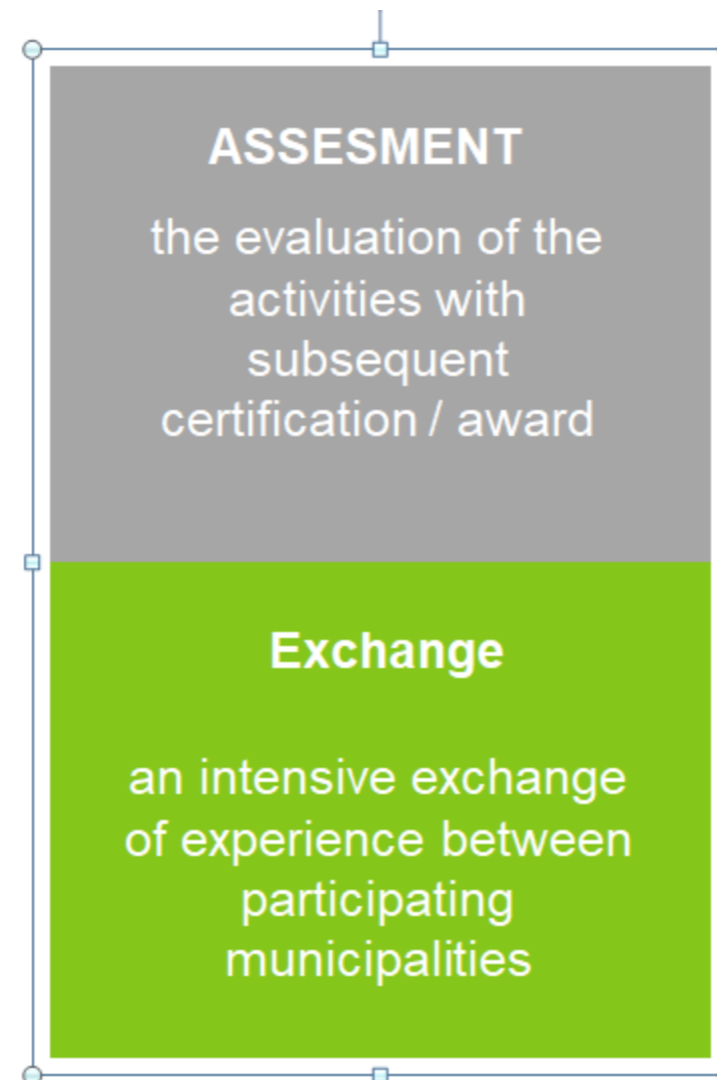
- **Local businesses** will benefit (e.g. renovation of buildings, investments in infrastructure, build up renewables, public private partnerships, funding programs)
- **Cost savings** through energy efficiency
- Higher **awareness** on energy- and climate related topics
- **Reduction of CO2-emissions** (high quality of life)



# Step 4- Audit and awarding



# What are the benefits of participating in the eea?



---

## What are the results we achieved so far?

- Five eea offices were successfully set up in all partner countries
  - Ten advisors were trained in the eea-program, the instruments and the process
  - In all partner countries steering committees were formed with stakeholders from different governance levels and other relevant institutions
  - International eea catalogue of measures, the eea handbook and the eea online tool were translated and subsequently adapted to the national context
  - In total thirty municipalities are now involved in the eea process, municipal energy teams were set up and the process has started
-

## B.&S.U. Beratungs- und Service- Gesellschaft Umwelt mbH

National Office Germany European Energy Award  
Alexanderstraße 7  
D-10708 Berlin - Germany

Thekla Heinel  
[theinel@european-energy-award.de](mailto:theinel@european-energy-award.de)  
0049 30 390 42 66

## Bond Beter Leefmilieu Vlaanderen vzw

Project coordinator Implement  
Tweekerkenstraat 47  
1000 Brussel - België

Jessika De Lille / Koen Reynaerts  
[jessika.de.lille@bblv.be](mailto:jessika.de.lille@bblv.be)  
02 282 17 48

**[www.european-energy-award.org/eu-  
project-implement](http://www.european-energy-award.org/eu-project-implement)**



This project has received funding from  
the European Union's Horizon 2020  
research and innovation programme  
under grant agreement No 754104.

The sole responsibility for the content of this presentation lies with the authors. It does not necessarily reflect the opinion of the European Union. Neither the EASME nor the European Commission are responsible for any use that may be made of the information contained therein





ZAVENTEM



**Covenant of Mayors**  
for Climate & Energy

Local climate policy  
in Zaventem with **European**



**energy award** IMPLEMENT



20% reduction by 2020



Zaventem: June 2014



40% reduction by 2030



Zaventem: June 2020?



2014

Environmental  
department



City Council

 SEAP



top down

Administration



**Covenant of Mayors**  
for Climate & Energy

**2020**

**EEA-TEAM**



**City Council**

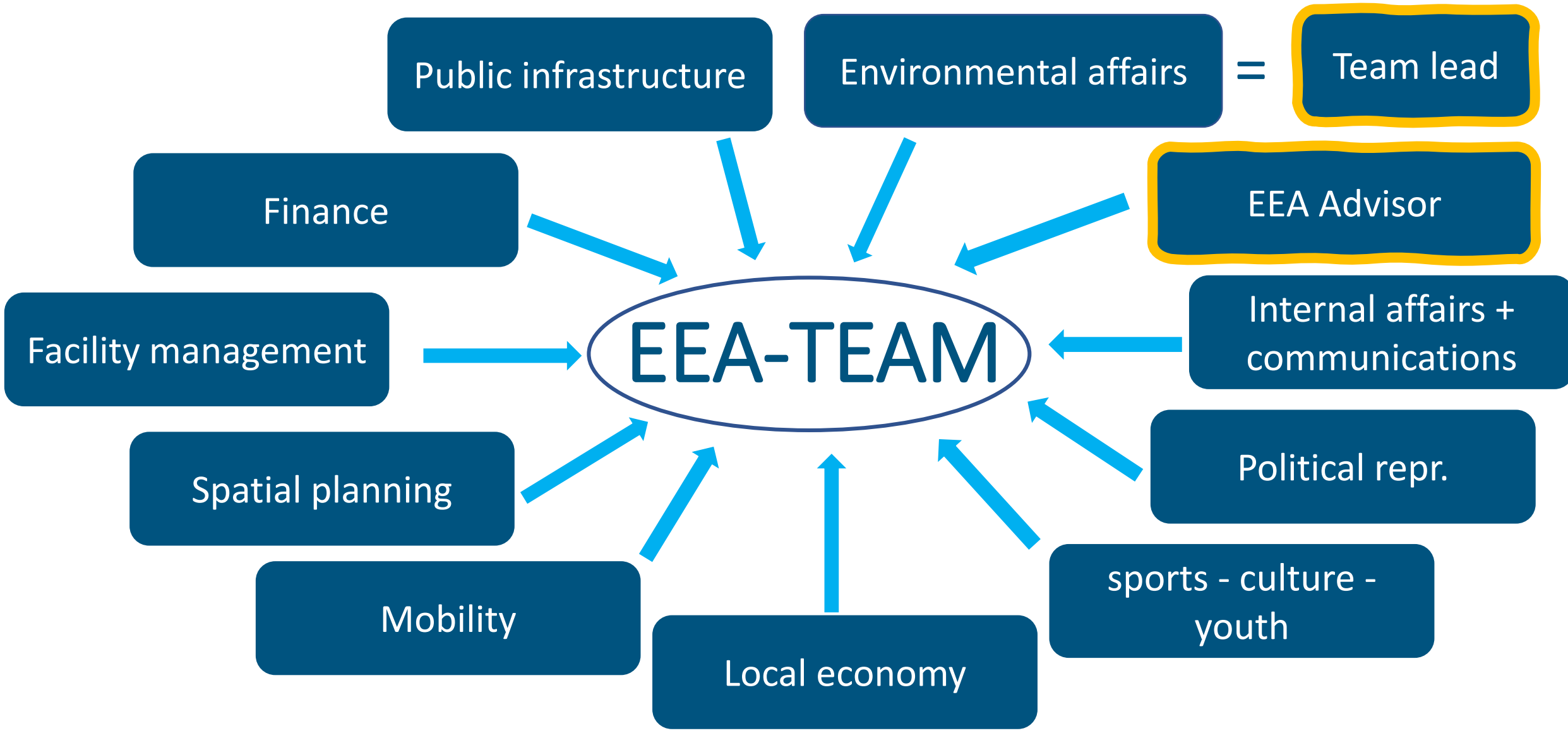




EEA-TEAM



ZAVENTEM



Public infrastructure

Environmental affairs

Team lead

Finance

EEA Advisor

Facility management

EEA-TEAM

Internal affairs +  
communications

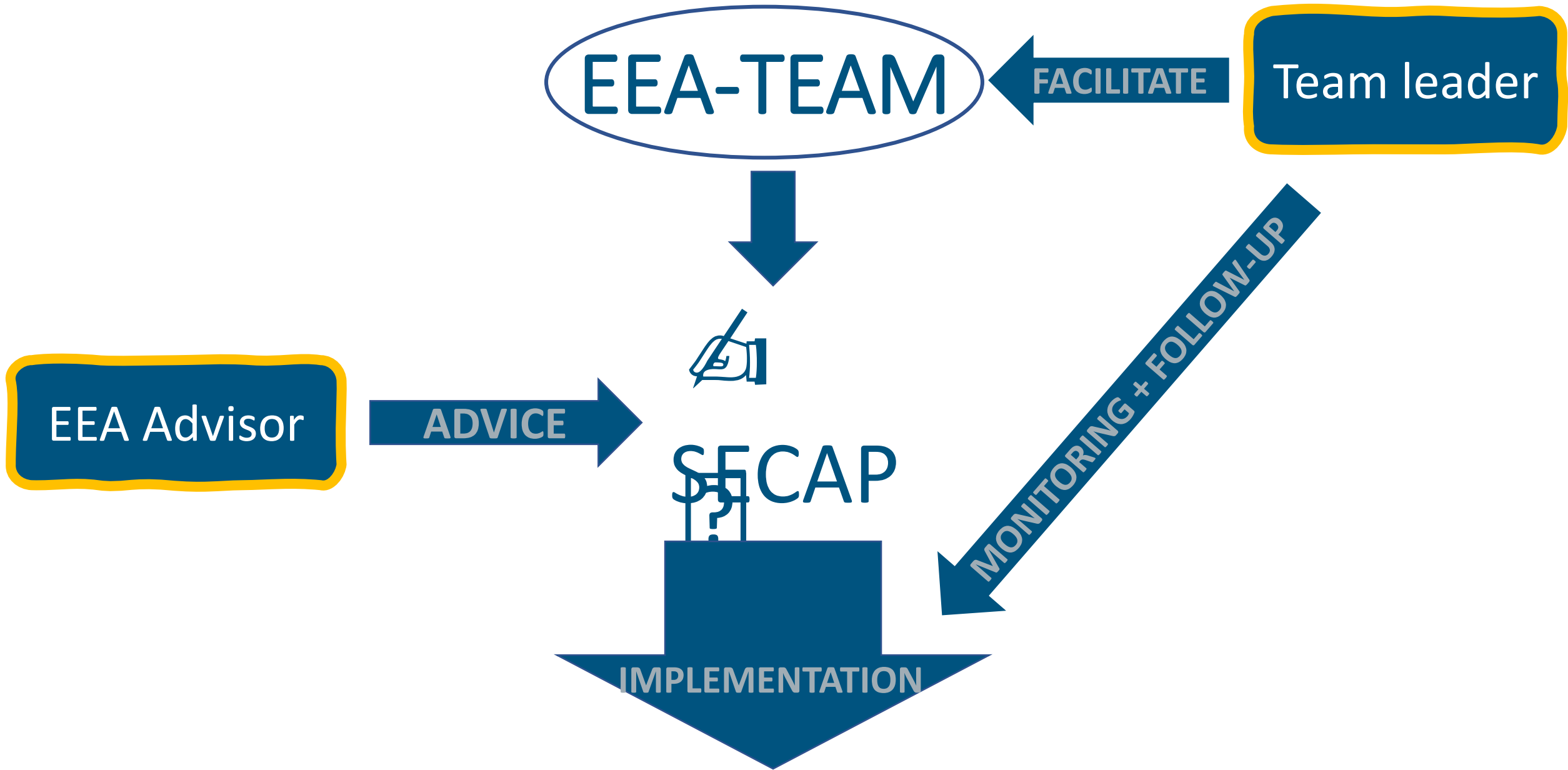
Spatial planning

Political repr.

Mobility

sports - culture -  
youth

Local economy



EEA-TEAM

Team leader

EEA Advisor

ADVICE

FACILITATE



SECAP

MONITORING + FOLLOW-UP

IMPLEMENTATION

# MONITORING & FOLLOW-UP

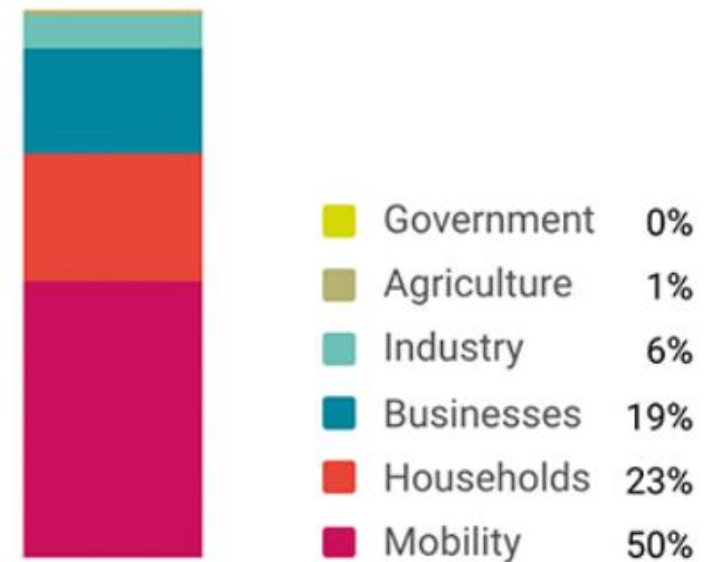
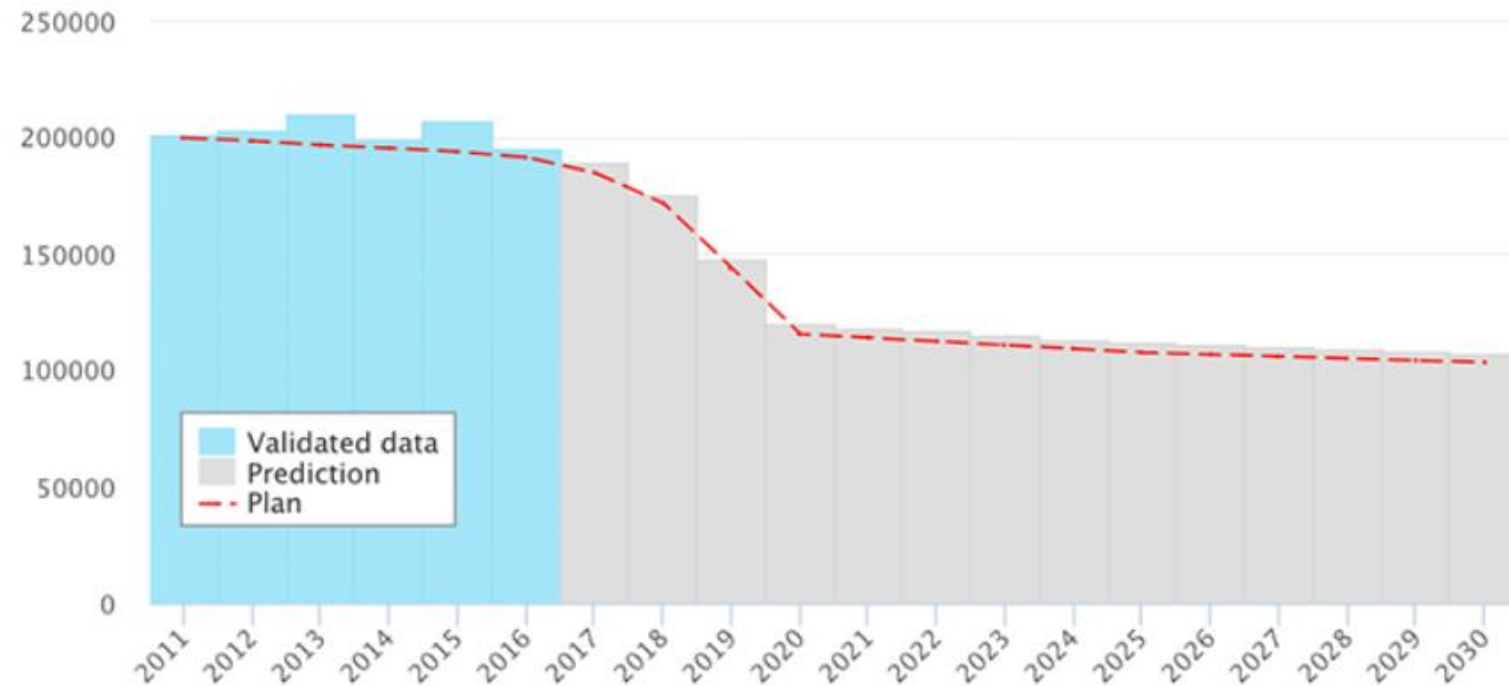


FutureproofedCities

Evolution of City's yearly CO<sub>2</sub> emissions in ton

PDF

CO<sub>2</sub> emission by source  
[history](#)





# TOWARDS AN HD CLIMATE ACTION PLAN

- Participatory, multi-stakeholder approach
- Defining and visualising priorities for every department
- Ownership by team members
- Realistic, calculated measures and actions