



Covenant of Mayors
for Climate & Energy



Covenant of Mayors: accelerating the energy transition through multi-level governance and cooperation





In the next 15 minutes

- 1,2,3 Covenant!
- Be inspired
- Be part of the CoMmmunity

The Covenant of Mayors for Climate & Energy



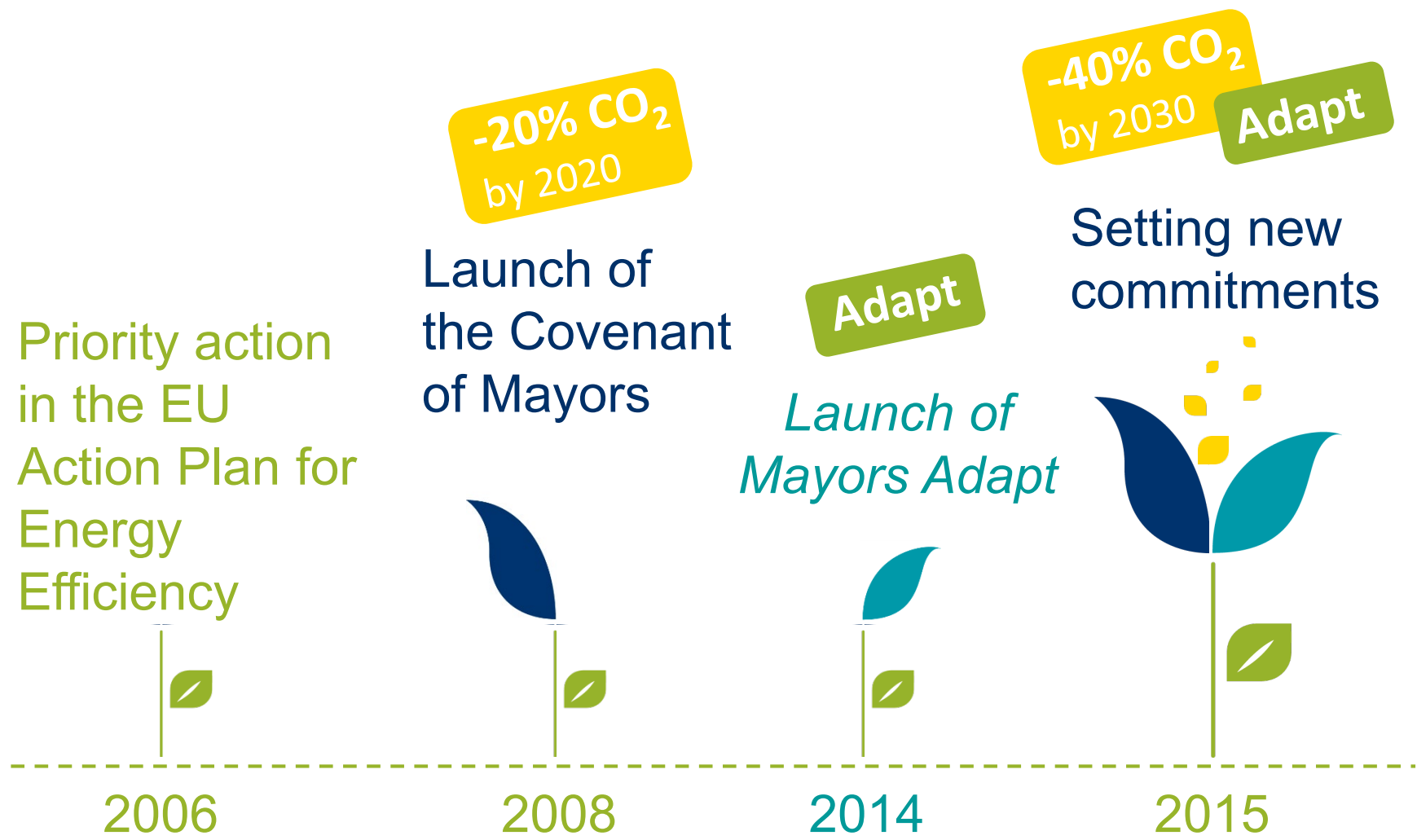
...brings together **local and regional authorities** voluntarily committed to implementing **EU climate and energy objectives** on their territory.

What is the CoM?

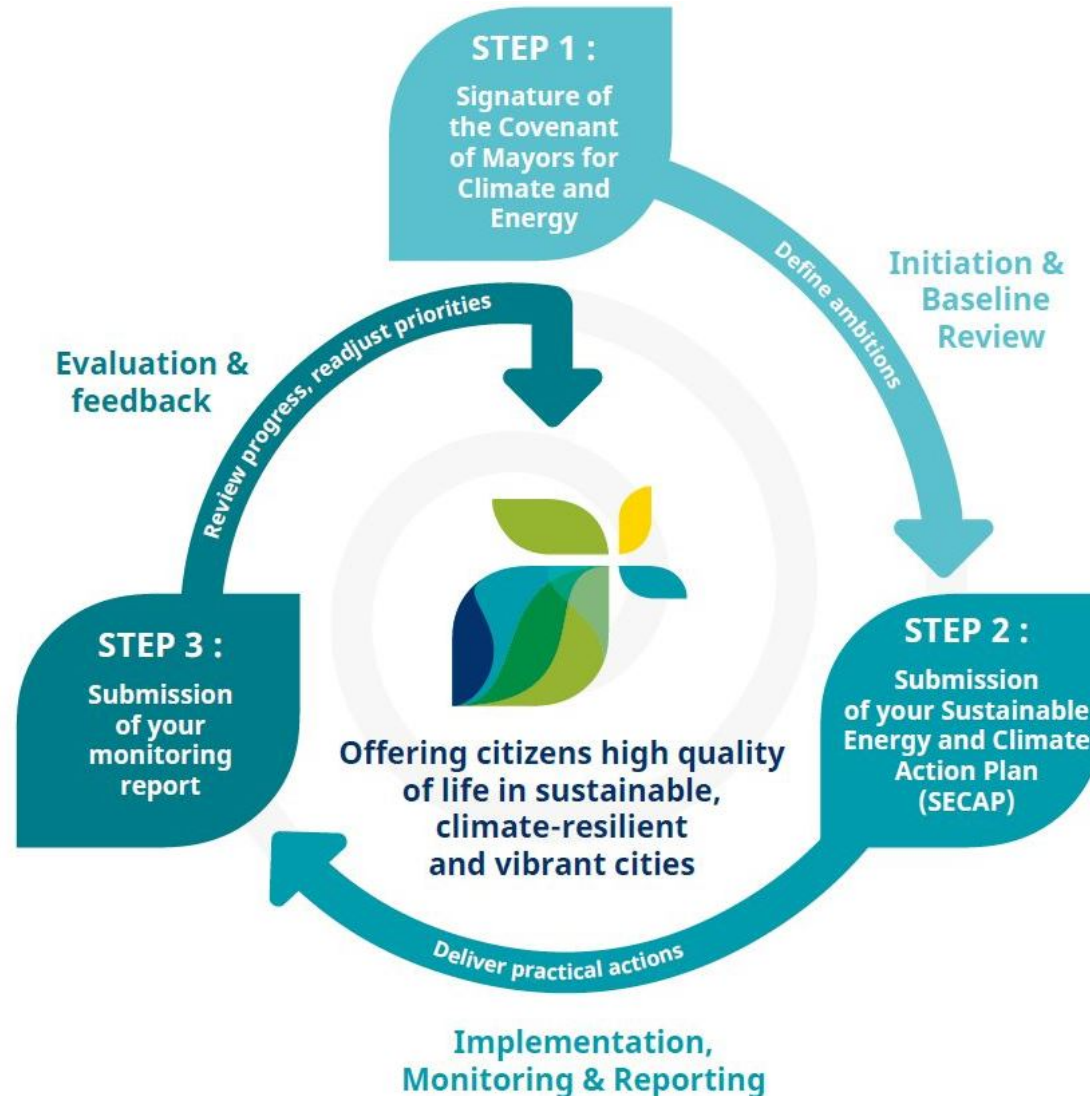


- A **unique bottom-up movement** shaped by cities, for cities
- A shared vision of **decarbonised** and **resilient** cities where citizens have access to **secure, sustainable and affordable energy**
- A **growing and inclusive community** now counting over **6,500** signatories representing over **210 million citizens**

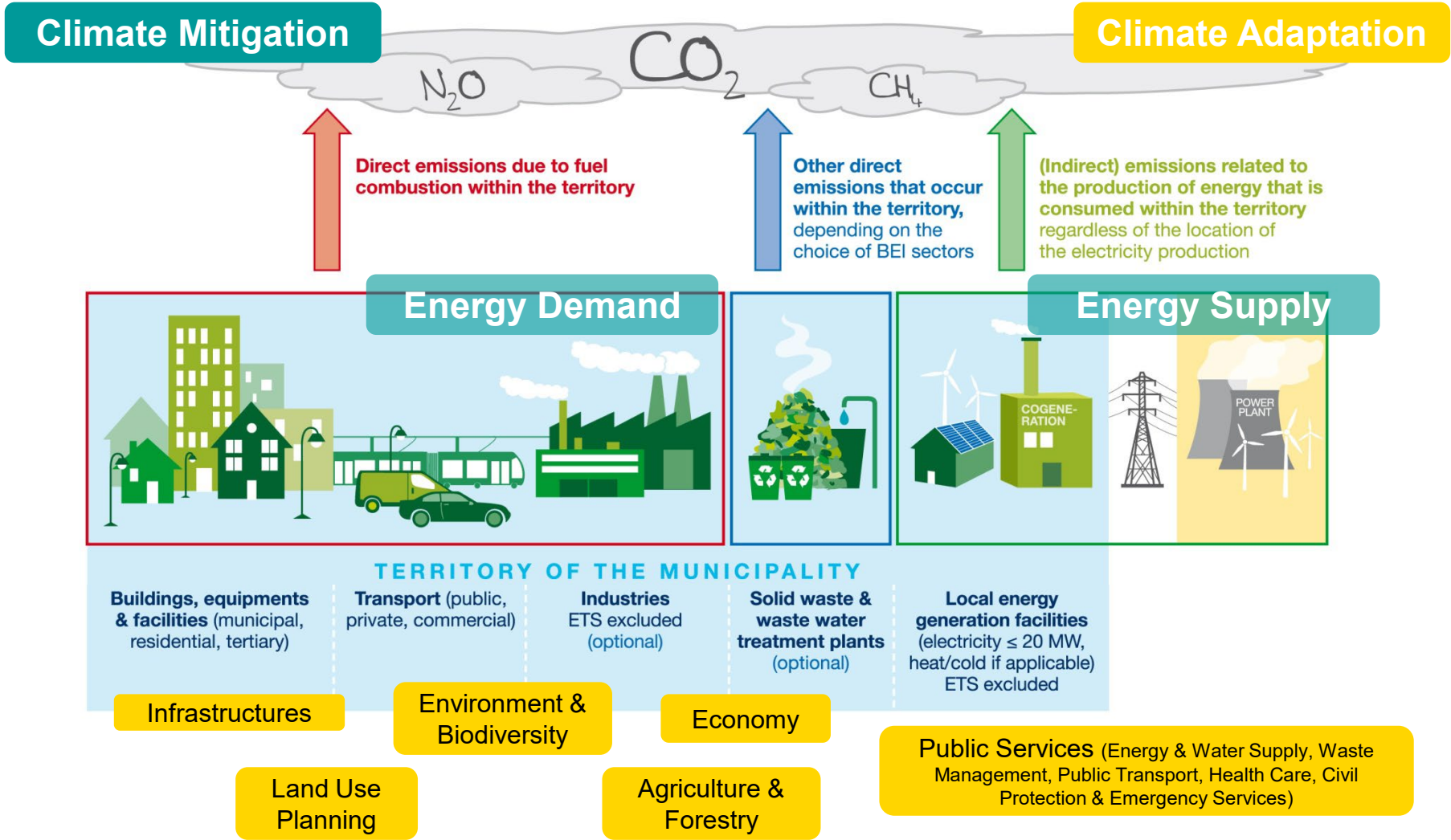
Evolution of the initiative



The Covenant step by step



An integrated approach



A reference framework for action



- **Consistency and transparency** thanks to a common reporting framework for all, **flexible and adjustable** to local realities
- **High visibility** *via* personalised signatory profiles on the Covenant website
- **Evaluation** of the data reported by the Commission's independent scientific centre
(signatories are suspended in case of non-compliance)

The Covenant Community



Signatories

Villages, towns, cities, counties

Coordinators

*Regions, Provinces, Ministries,
national energy agencies*

Covenant of Mayors Clubs

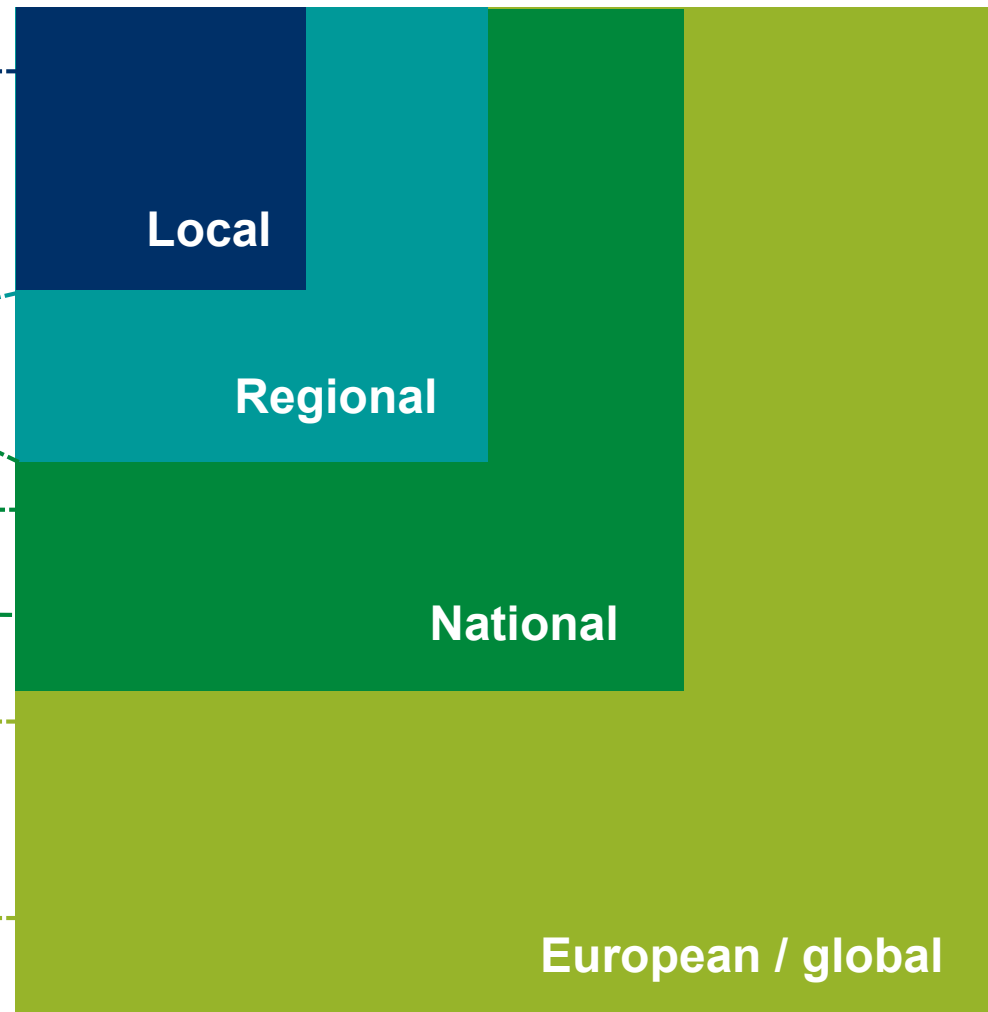
Academia

Associated Partners

*European federations of companies, NGOs,
international networks*

Supporters

Non-profit organisations, associations, agencies



Covenant Coordinators & Supporters

Commitments



Covenant Coordinators

- **Promote accession** to the Covenant of Mayors
- **Provide technical and strategic assistance** to signatories
- **Provide financial support** to signatories
- **Support experience and knowledge sharing** between (existing and potential) Covenant signatories
- **Cooperate** with members of the CoM-munity
- **Participate** in Covenant activities
- **Report regularly** to the Covenant Office

Covenant Supporters

- **Promote** the Covenant of Mayors
- **Support and advise** CoM signatories in their area(s) of expertise
- **Support and Share** knowledge, experiences, best practices, tools or resources
- **Cooperate** with members of the CoM-munity; and
- **Participate** in Covenant activities
- **Report regularly** to the Covenant Office

Achievements of signatory cities



The Covenant Community in Europe

9,200+ cities committed | **7,650+** signatory cities on track

ca. 360 regions, provinces, associations,
local & regional energy agencies

35+ associated partners



5,900+ Action Plans
developed

Latest achievements



Average CO₂-emission reduction of **about 23%** by 2016

Achievements of signatory cities



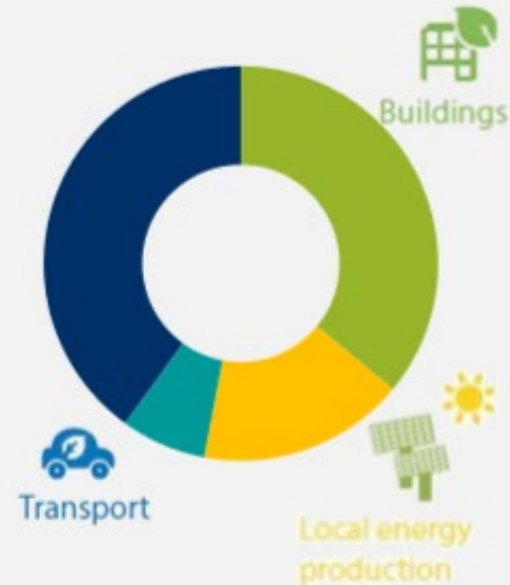
GHG emission reduction by 2016

36% Buildings

17% Local Energy production

7 % Transport

40% Other sustainable policies



18% reduction of final energy consumption – 89 TWh,



equivalent to the energy savings achieved by Germany between 2005 – 2016.

34.4 TWh in local energy production from renewables:

can cover annual electricity needs of 9,5 million households in Europe (21 million citizens)



The Covenant of Mayors going global



2008



Launch of
the
Covenant of
Mayors
(CoM)

2011



CoM Office
for Eastern
Europe

2012



CoM extends
to South
Mediterranean
(CES-MED)

2014



Mayors
Adapt
(sister
initiative on
adaptation)

2015



New
framework
(merger w/
Mayors
Adapt)

2016



Going
global!
CoM Office
for Sub-
Saharan
Africa

2017

Launch of
the **Global
Covenant of
Mayors** for
Climate &
Energy



Vision and Mission

We envision a world where committed mayors and local governments – in alliance with partners – accelerate ambitious, measurable climate and energy initiatives that lead to an inclusive, just, low-emission and climate resilient future, helping to meet and exceed the Paris Agreement objectives.

Three pillars

The 3 pillars of the Covenant of Mayors in Europe

MITIGATION

Accelerating the decarbonisation of their territories

ADAPTATION

Strengthening their capacity to adapt to unavoidable climate change impact

ENERGY

Allowing their citizens to access secure, sustainable and affordable energy

'-40% by 2030' + 'more resilient cities' + 'address Energy Poverty'



- 

GLOBAL COVENANT
of MAYORS for
CLIMATE & ENERGY
ASIA
- 

Covenant of Mayors
for Climate & Energy **JAPAN**
- 

GLOBAL COVENANT
of MAYORS for
CLIMATE & ENERGY
LATIN AMERICA & CARIBBEAN
- 

GLOBAL COVENANT
of MAYORS for
CLIMATE & ENERGY
SOUTH ASIA
- 

Covenant of Mayors
in Sub-Saharan Africa



Covenant of Mayors
for Climate & Energy



Be inspired





Join Forces

Malopolska region, Poland



PROBLEM

- **9 of 50 most polluted cities in the EU are placed in the Małopolska Region**
- 98% of residents live in areas where WHO standards for PM2.5 and benzo(a)pyrene are exceeded.
- The main cause of air pollution is emission from inefficient old boilers that use solid fuels – **mostly coal.**



Malopolska region, Poland



CHALLENGES

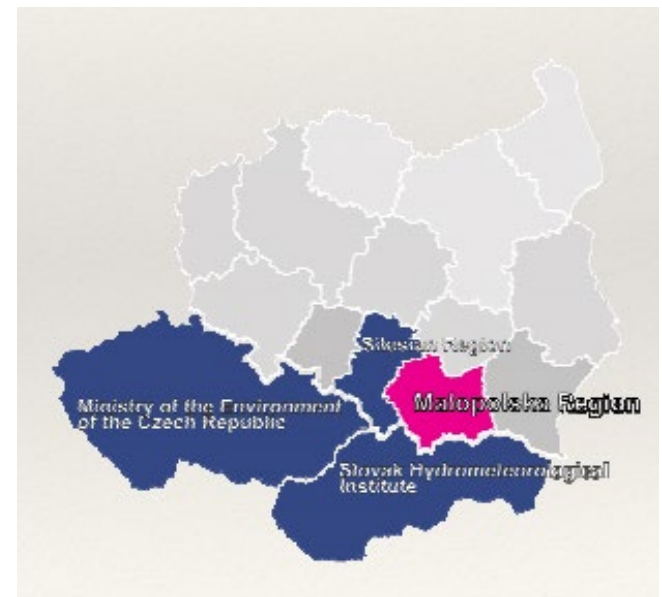
- Lack of human resources to work on solving this issue
- Low awareness on air
- Lack of cooperation across levels
- Lack of alignment between various planning documents
- Lack of cooperation on air pollution with other hot-spot regions in this part of the EU



LIFE Integrated project



- **Implementing “Air Quality Plan for the Małopolska Region”**
- **Budget: 16.8 MEUR**
- 62 project partners
- 55 municipalities including Kraków
- Silesian Region
- Krakow Smog Alert (NGO)
- Polish National Energy Conservation Agency
- Ministry of the Environment of the Czech Republic
- Slovak Hydrometeorological Institute
- VITO NV Institute from Belgium
- Malopolska region – coordinator



Improving air quality – project activities



- Ecomanagers
- Excellence Center
- Support for the implementation of a ban on the use of solid fuels for heating in Krakow
- Platform to manage air quality in Krakow with the use of high-resolution modelling tools
- International modelling of air pollution in the Malopolska Region, Slovakia and the Czech Republic
- Project promotion and marketing

Ecomanagers



- Advice for almost 450 000 citizens
- Organization of 4 100 meetings with a total of 250 000 participants
- Thermal imaging surveys for
- 2 777 buildings
- 3 653 inspections to prevent waste burning
- Requested additional funding € 453M
- for emission reducing investments





Anti-smog resolution for Malopolska

- Adopted in January 2017. Effective from 1 July 2017
- Ban on using new solid fuel boilers or space heaters which do not comply with ecodesign emission standards
- Ban on burning coal sludge or wood with moisture content above 20%
- All existing boilers and space heaters have to be replaced until 2022 (boilers class 3 or 4 until 2026).



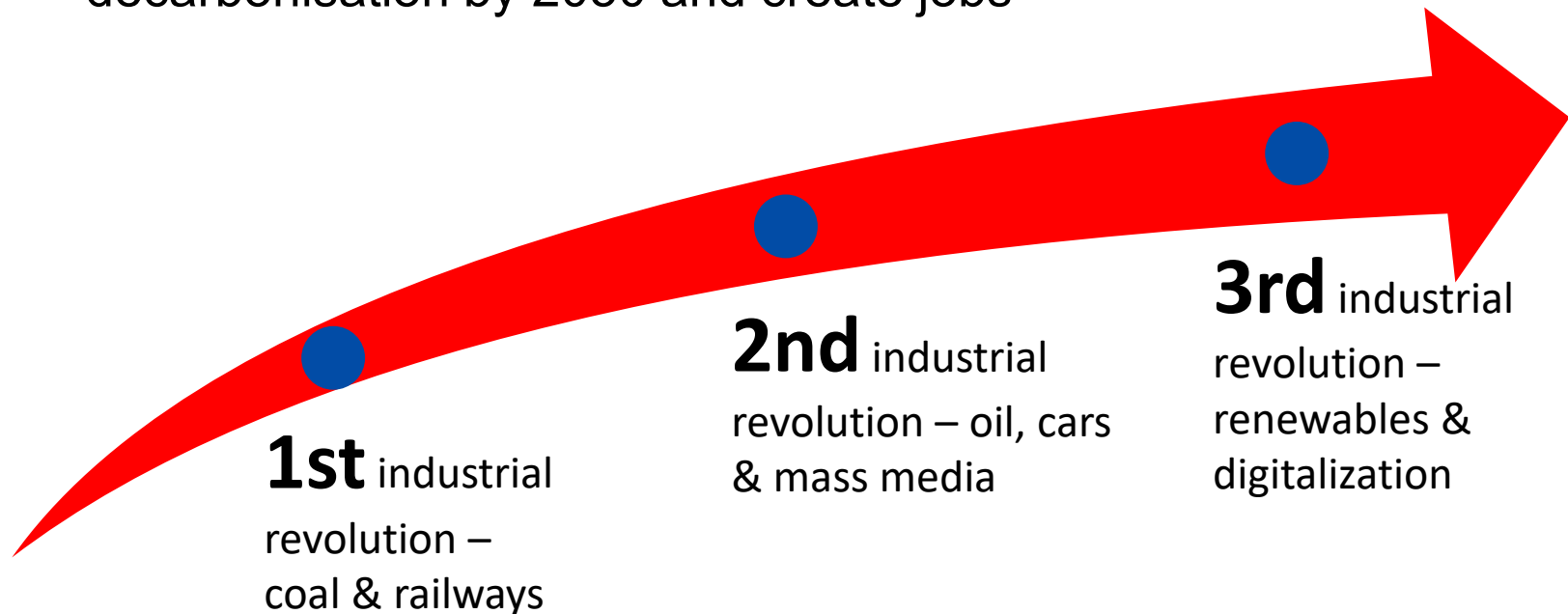


Shape your vision

Nord Pas de Calais, France (I)



- former coal mining and (still) industrial region to become first climate neutral region in France
- 3rd Industrial Revolution concept - a regional decarbonisation roadmap developed by Jeremy Rifkin and his team to achieve decarbonisation by 2050 and create jobs



Nord Pas de Calais, France (II)



Based on the following pillars:

- 1) distributed renewable energy
 - 2) buildings producing energy
 - 3) energy storage
 - 4) smart grids
 - 5) soft and smart mobility
 - 6) circular economy
 - 7) economy of functionality
- multi-stakeholder governance
 - more than 300 projects developed
 - provision of technical assistance and financial instruments

Loos-En-Gohelle, France (I)



- Town of 7000 citizens
- Marked with heavy mining activity – mining heaps registered as UNESCO World Heritage sites
- After the closure of mines, local administration decided to go 100% renewable to create jobs, instead of attracting external big industry



Loos-En-Gohelle, France (II)



- Strong political commitment and proactive approach
- Need to reinvent the whole community
- Actions initially developed on ad-hoc basis, gradually developed into a joint framework
- Initiatives across all the sectors: renewable energy, eco-construction, education, improvement of municipal public spaces





Add to your local value

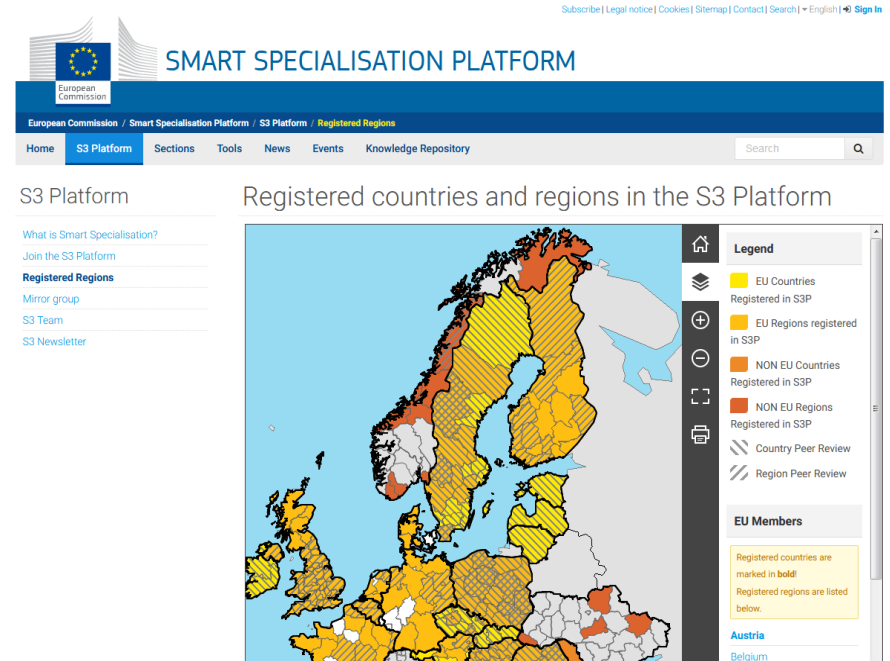
Smart Specialisation and Coal Regions



- Smart Specialisation approach helps to drive economic transformation, to identify and prioritise areas/fields of economic activities in which regions or countries have a competitive advantage or potential to develop knowledge, entrepreneurship and boost growth
- Effective matching local knowledge domains with market potentials, creating synergies between public support for R&D and innovation, industry and educational institutions

Coal regions in transition can benefit from Smart Specialisation approach to re-establish their industry and economy

Outcomes: established industrial zones, innovation hubs, funds for start-ups and SMEs, strengthened tertiary education, increasing number of patents





Upper Nitra, Slovakia - Smart Specialisation methodology for coal transition regions

- Socio-economic transformation in coal transition regions: analysis and proposed approach – JRC Report from 2018
- Includes analysis of existing energy system and coal value chain, as well as scenarios for new energy systems to replace coal

PROPOSED S3 METHODOLOGY:

- I. Political and Institutional framework
- II. Diagnosis
- III. Stakeholders Involvement
- IV. Skills and Social Transition
- V. Smart Specialisation Strategy and Implementation Plan



Covenant of Mayors
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Support & engagement: CoM as a tool to achieve the energy transition

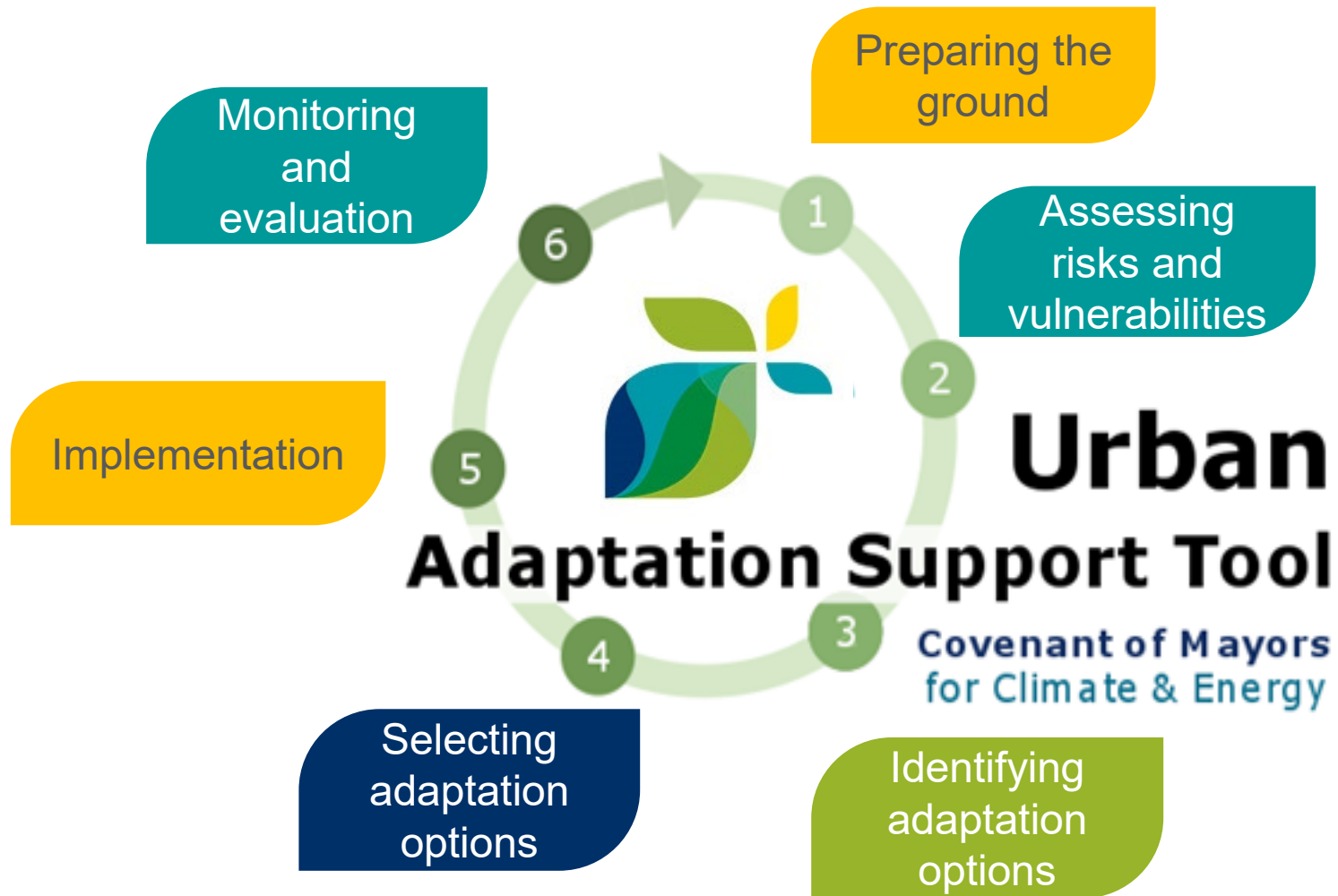


Helpdesk

-  info@globalcovenantofmayors.org
-  info@eumayors.eu



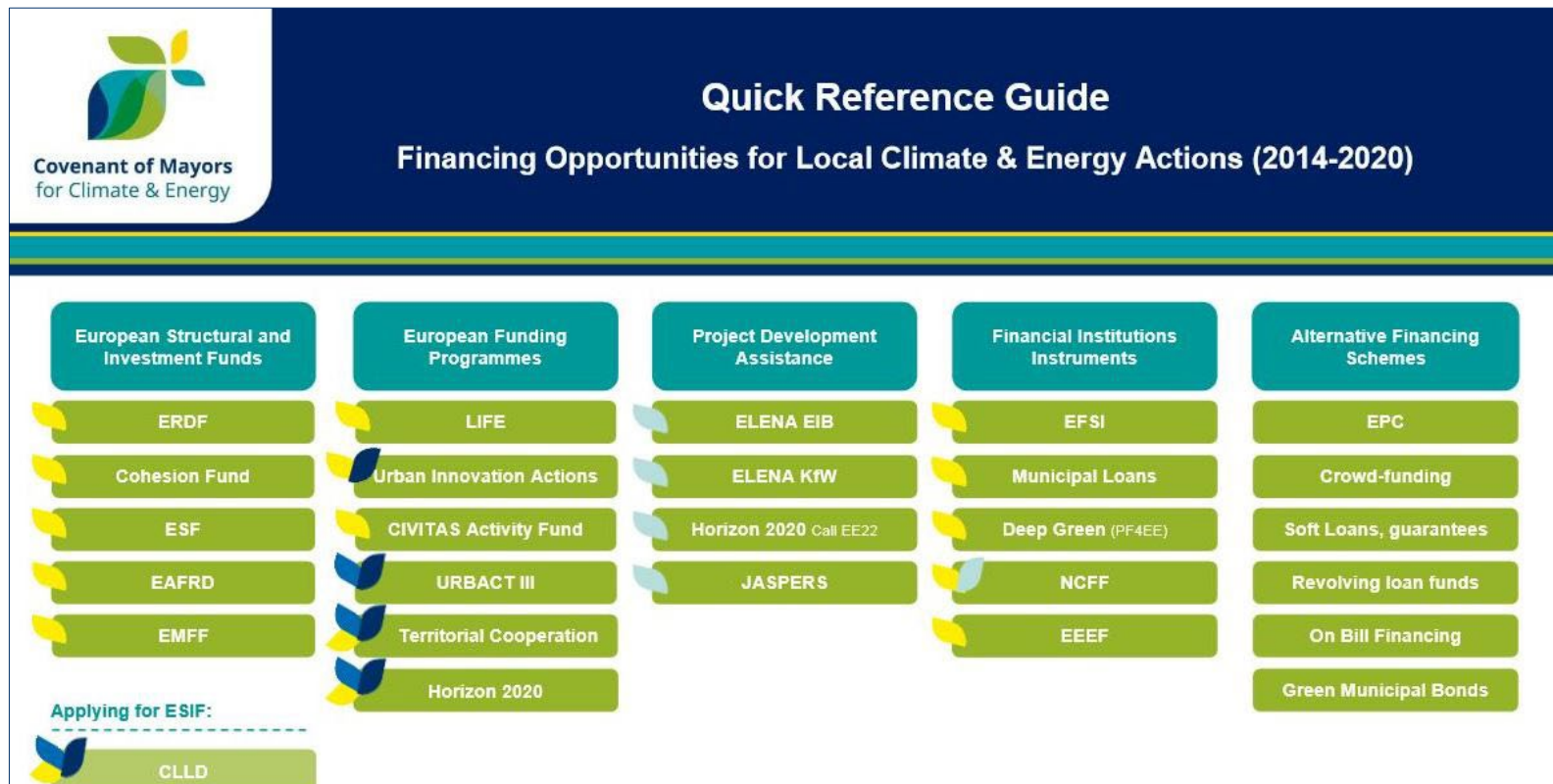
Supporting signatories



Supporting signatories



Funding instruments



Supporting signatories



Covenant Capacity-Sharing Corner:

 **Discussion Forums** – Exchange With Your Peers

 **Resource Library** – Search, Add and Rate Resources

www.eumayors.eu
> 'My Covenant'



Supporting signatories



Capacity-building events:

- Webinars
- Workshops
- Finance working groups
- City-twinning programme



Covenant Coordinators & Supporters

Activities offered



→ Dedicated to Coordinators & Supporters:

- 1 meeting per year with Coordinators & Supporters
- Further bilateral meetings between key National Partners and European Commission representatives
- Joint Workshops with National Clubs or similar National 'CoMmunities'

→ Others:

- Awareness-Raising & Capacity-building Activities (workshops, webinars, online discussion forums)
- City-to-city Twinning Programmes



Covenant Coordinators & Supporters

Further guidance & examples of actions undertaken



 **Implementation Reports**
published every year / every 2
years



 **Report** on the 'Use of European Regional Development Funds 2007-2013 & 2014-2020 in Italian Regions for the Covenant of Mayors'



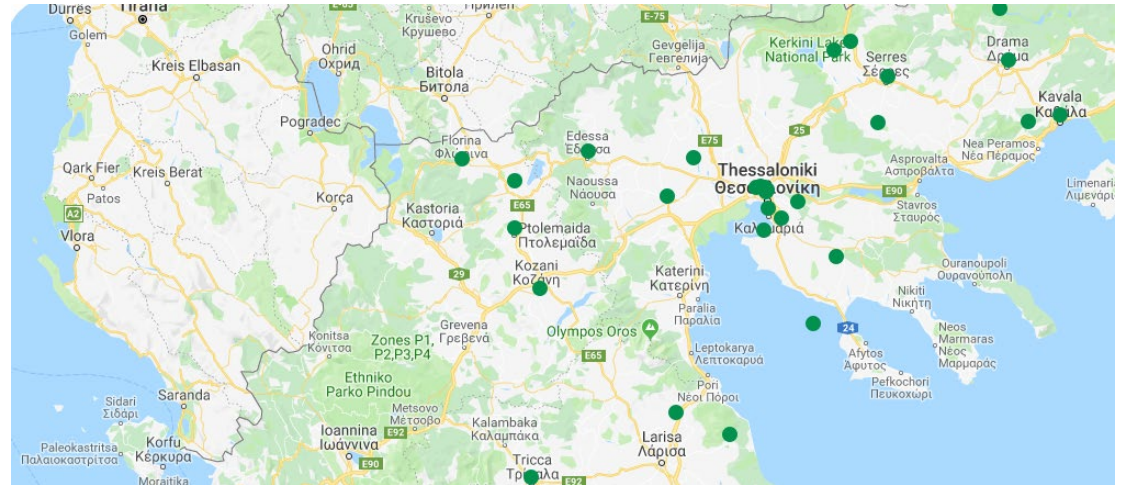
How can CoM help to cities in coal intensive regions?

- Long-term vision and support for achievement of climate and energy goals
- Identification of key sectors of intervention
- Prioritization of measures (e.g. replacement of fossil fuel boilers, switching local electricity and heat production to RES, building retrofits,)
- Platform for exchange with peers
- Recognition and visibility
- Networking events, capacity building and training on a variety of topics including financing

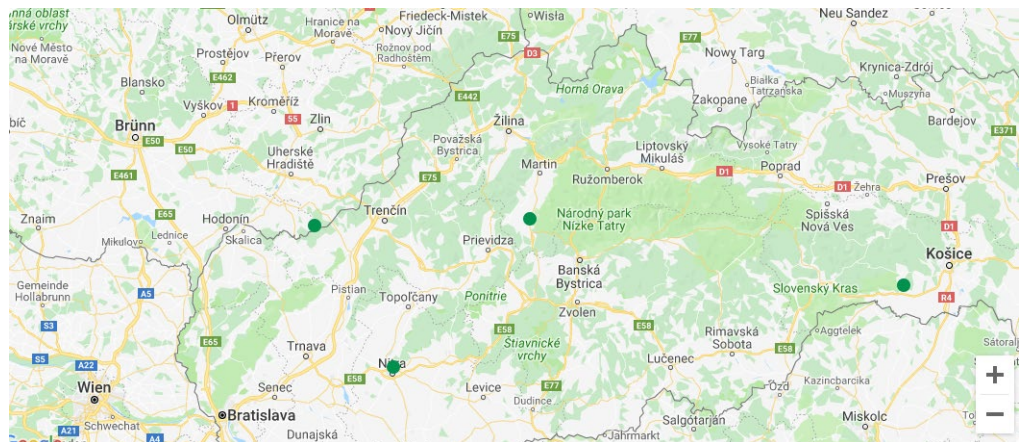
Have cities from coal intensive regions joined CoM?



Western Macedonia



Upper Nitra



Have cities from coal intensive regions joined CoM?



Upper Silesia



Upper Nitra



Thank you!

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With the support of the European Union