



Mitigating climate change in Europe's towns and cities

Some policy considerations. The Covenant of Mayors

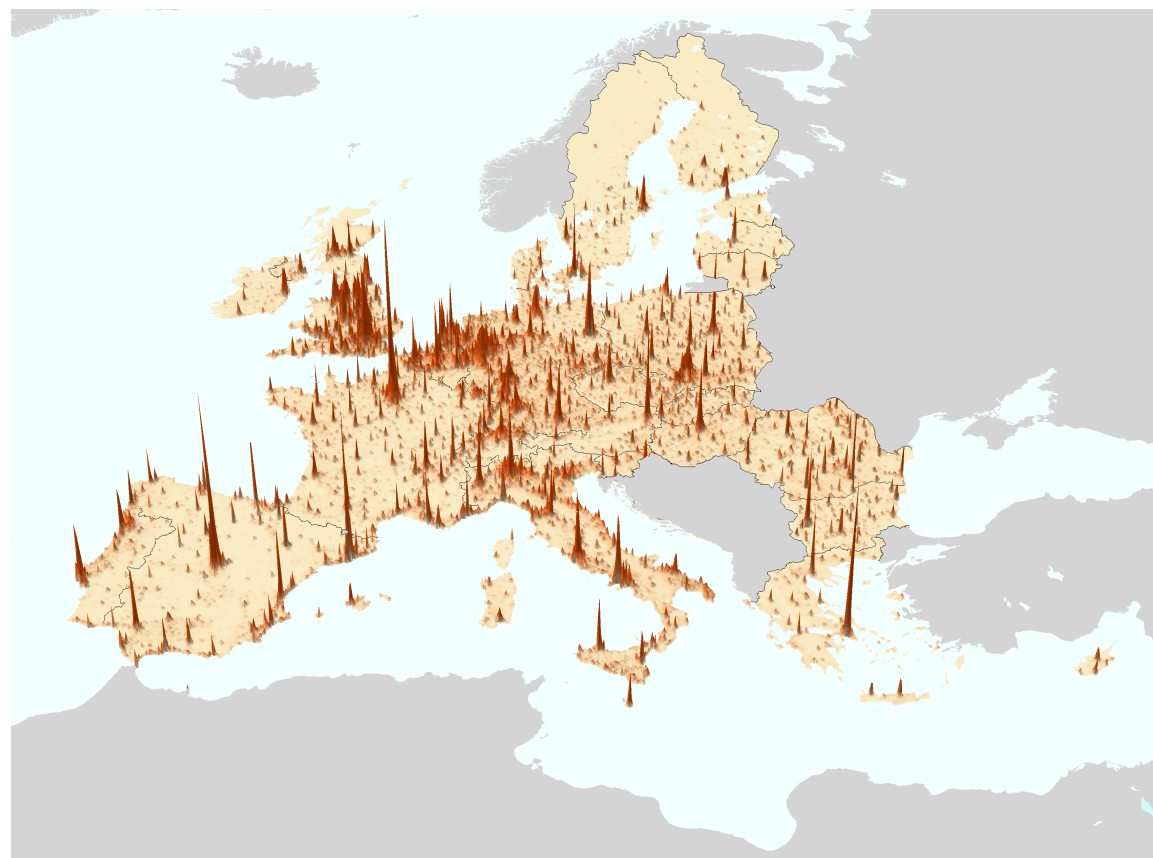
DG ENER of the European Commission



Europe is very urbanised

Around 60% of the population, approximately 288 million people, live in cities of over 50 000 and in the urban agglomerations

(Source: the Urban Audit and Large Cities audit)





Urban Sprawl in Europe

Land use changed from natural or agricultural use to artificial surfaces

Artificial surfaces

Land returned to natural or agricultural use

1 Mill. ha



16 Billion ha

+5 %

0,1 Mill. ha



*Developments in land cover in EU25 between 1990 and 2000
EEA Report No 10/2006*

Source: *EEA Report No 10/2006*, quoted by the Plurel Project



Why cities and towns are key to sustainable development?

- 70% of energy consumption and CO₂ emissions come from cities
- 1.9% is the growth rate of energy use in cities (vs 1.6% globally)
- Cities and towns are both “part of” the problem and “part of” the solution
- Buildings and urban transport represent 80% of energy consumption



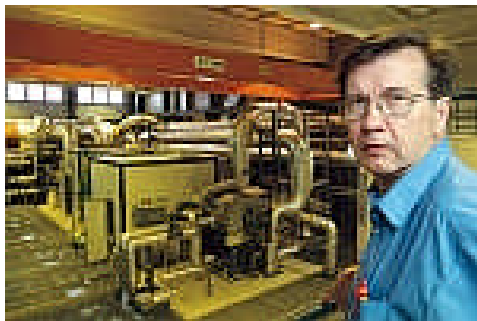
Energy efficiency potential in different sectors

Commercial buildings: 30%

Residential sector: 27%

Transport: 26%

Industry: 25%



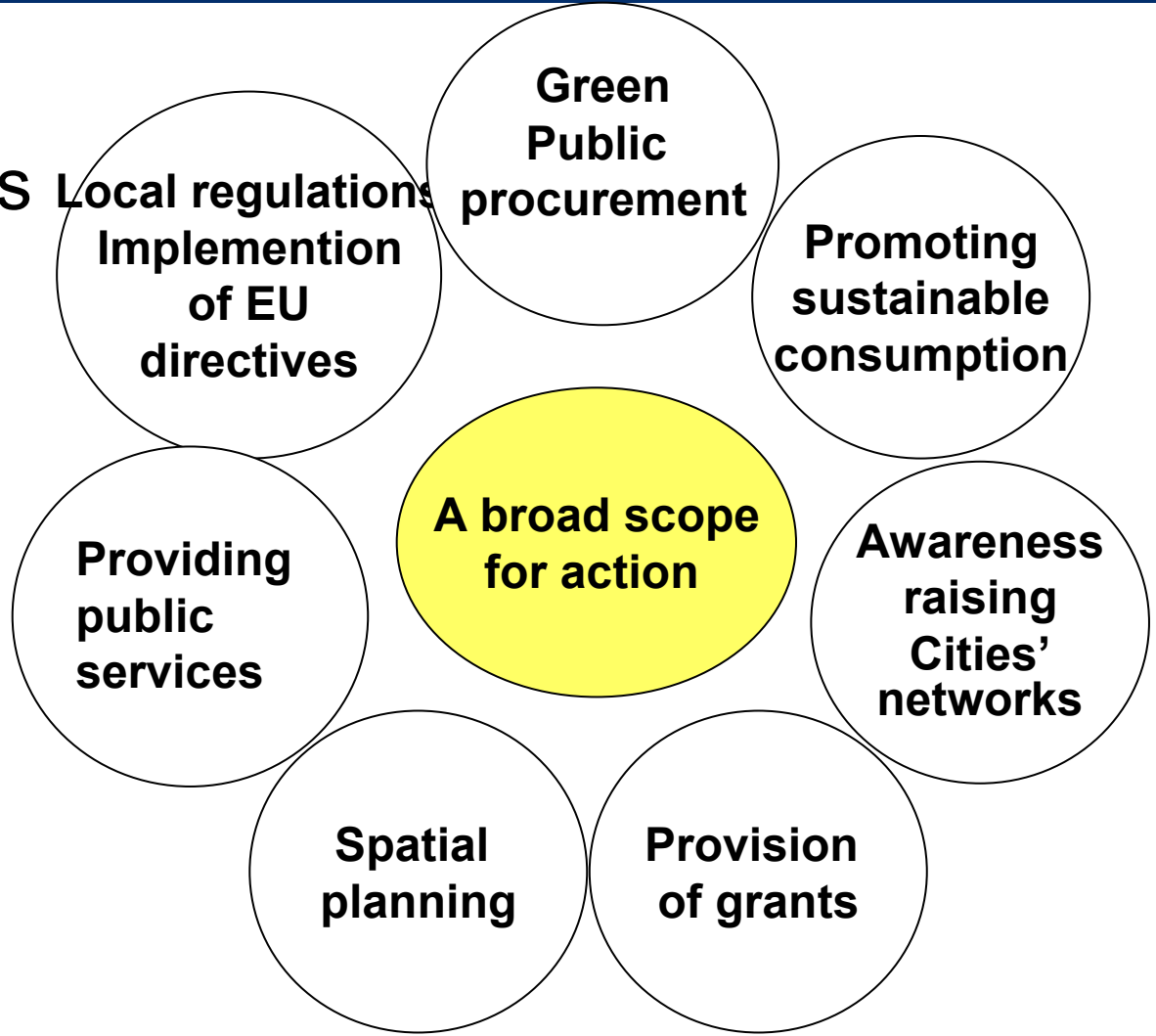
A high potential for reducing CO₂ in a reasonably short timeframe





Regional and local authorities are key players

- Waste management
- Heating
- Cooling
- Lighting
- Building
- Social housing
- Public transport
- Etc.





Urban governance becomes the key, given inter alia:

- The importance of an integrated approach across sectors
- The importance of cooperation across levels.



Covenant of **Mayors**

Committed to local
sustainable energy



Commitments of Local Authorities when joining the Covenant of Mayors

- **To go beyond the EU's 3 x 20 objectives**
- Prepare a Baseline Emission Inventory
- Set up a Sustainable Energy Action Plan
- Submit regular Implementation Reports
- Organise Local Energy Days



~~1435~~ 1243 CITIES SIGNED UP

and commit to reduce CO₂ emissions on their territories

by at least **20%** by **2020!**

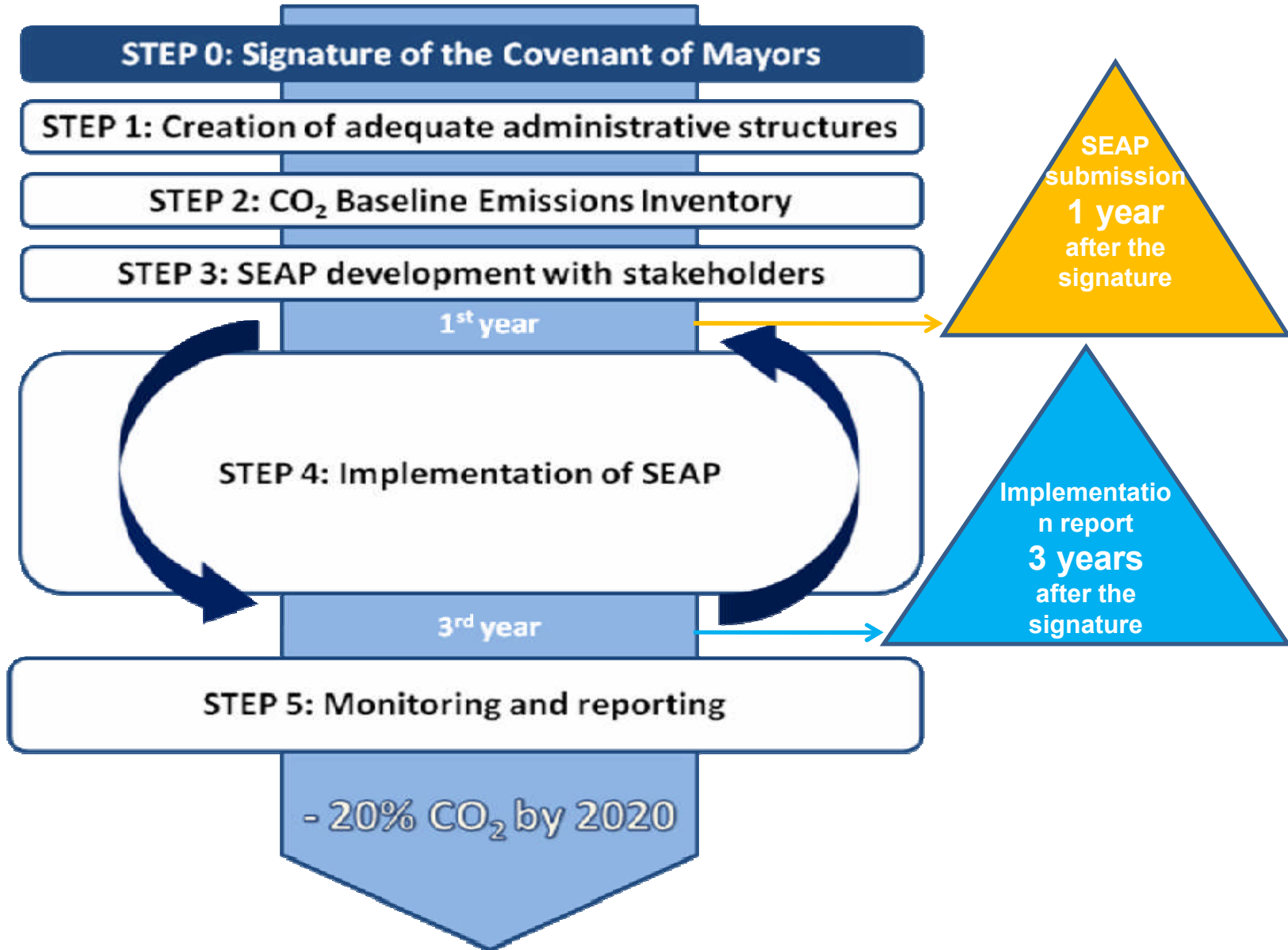
22 capitals from 36 countries
more than 140 million of inhabitants



2020

-20% CO₂

How do cities proceed?





~~63~~

50 SUPPORTING STRUCTURES

Bring their expertise and resources to help Covenant Signatories



2020

-20% CO₂

COVENANT SUPPORTING STRUCTURES

Their missions

- Promotion of the Covenant
- Technical and strategic assistance
- Financial support or opportunities
- Intermediary between Signatories and EC
- Assistance in organising Energy Days
- Follow-up and feedback



2020

-20% CO₂

European Commission



- **Becomes a partner** for local authorities
- Negotiates **support** for **signatory cities**
- Mobilises **finance and political support** at **EU level**

Co-operation
with EIB

IEE II: Grants
available for
sustainable
energy
communities



2020

-20% CO₂

Financial Institutions (European Investment Bank)

ELENA – European Local Energy Assistance

- **Technical assistance** facility
- Financing **development** of bankable investment projects or programmes
- Aiming to **ensure the eligibility** of the supported investment projects or programmes for further **EIB funding**



Condition:

projects contribute to the achievement of the CO₂ reduction objectives fixed in the Sustainable Energy Action Plans within the Covenant initiative





Environment: 30% of Cohesion Policy funds

**RTD
&
Innovation
€ 3 billion**

Investment examples:

- Support to environmentally friendly products and processes (SMEs): € 3 billion

**Low carbon
economy
€ 48 billion**

Investment examples:

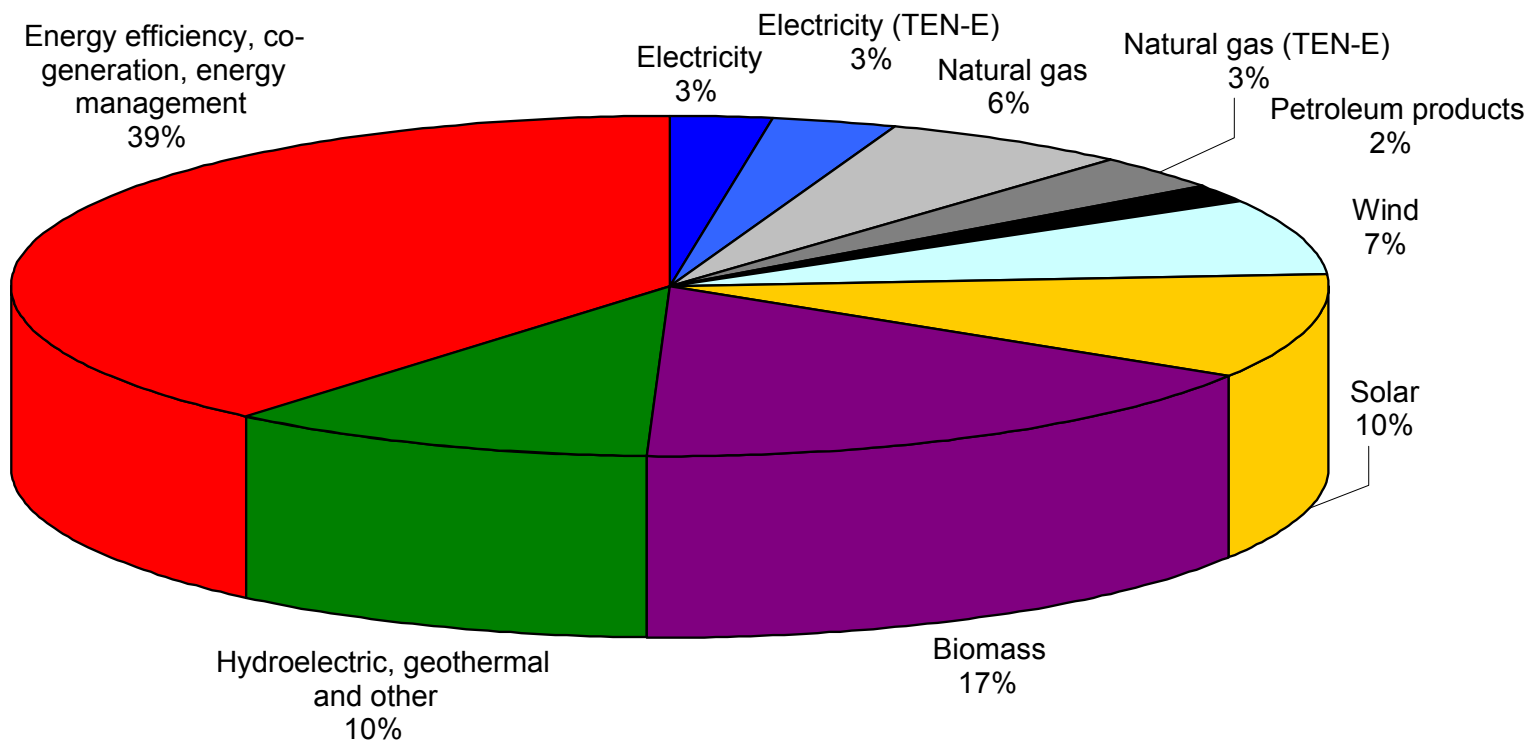
- Railways: € 23 billion
- Clean urban transport: € 6 billion
- Renewable energies: € 4.8 billion
- Energy efficiency: € 4.2 billion

**Environmental
Rulebook
€ 54 billion**

Investment examples:

- Water management: € 22 billion
- Waste management: € 6 billion
- Biodiversity & nature protect.: € 3.9 b.

€ 105 billion for Environment



2007-13 Total = €10.7 billion (3.2 % of total)

€9 billion sustainable Energy. €1.8 billion traditional energies & interconnectors.

2009

2011

2013

2014

2015

2019

2010

2016

2017

2018

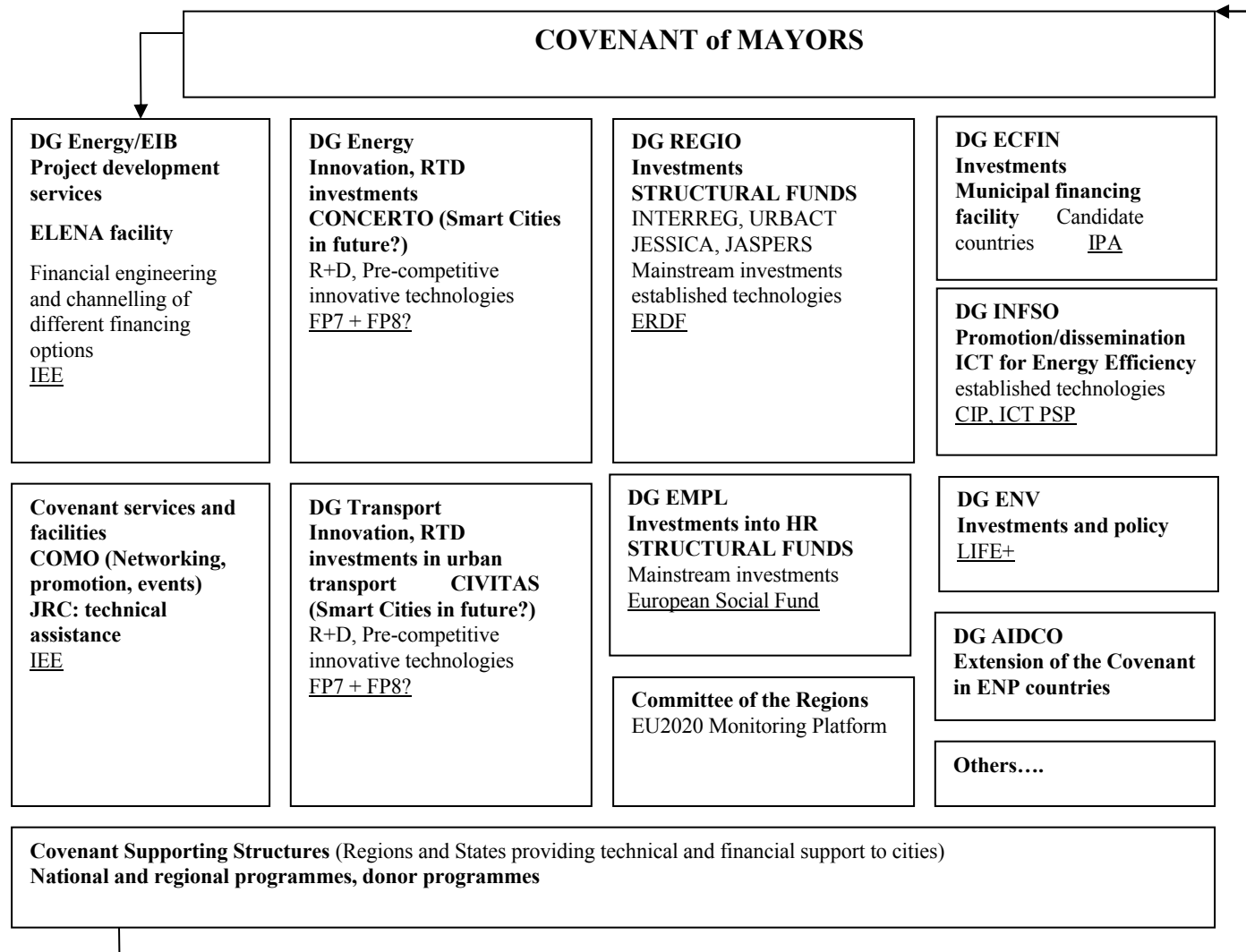
-20% CO₂

2020



Energy efficiency in the new ERDF regulation

- 4% of the national ERDF allocation may be devoted to Energy Efficiency and Renewable Energy in housing in EU 27. Eligible categories to be defined in a way supporting social cohesion.
- Additional to the 3% of the OP or 3% of the ERDF for housing in EU 12



2020

-20% CO₂



Contact the Covenant of Mayors' Office

www.eumayors.eu

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Directorate-General
for Energy
and Transport

