



European
Commission

The European energy policy and the role of local authorities in reducing GHG emissions

**Zagreb Energy Week
15 May 2013**

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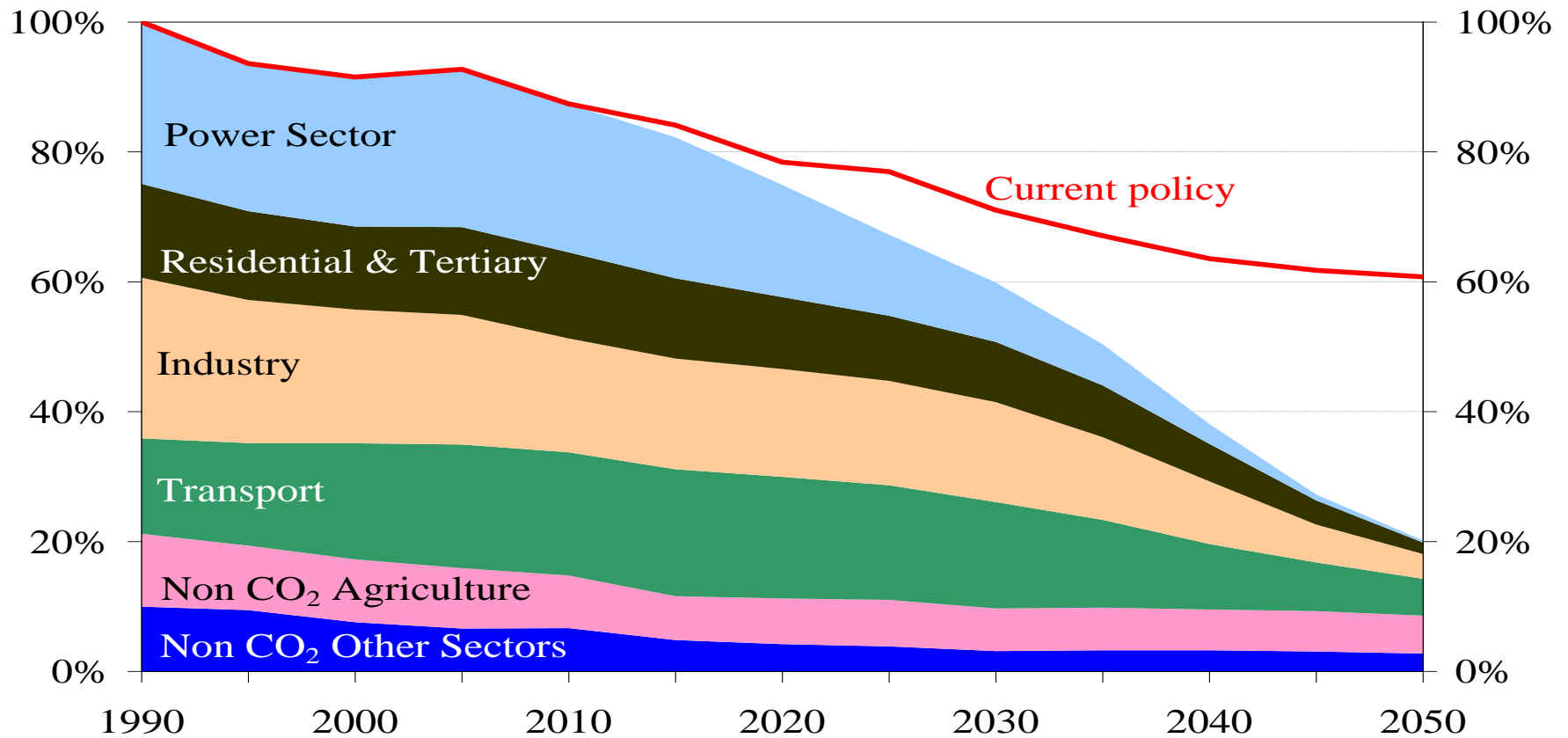


European
Commission

- **EU target: low-carbon economy by 2050**
 - A long-term EU policy framework
 - Current trends: are we on track ?
 - Completing the Internal Energy Market
- **Energy policy in support of local and regional actors**
 - The Covenant of Mayors
 - The SMART cities and communities
 - EU financial support to Energy Efficiency
- **2014-2020: new Multi-Annual Financial Framework**



● EU target: a low carbon-economy by 2050

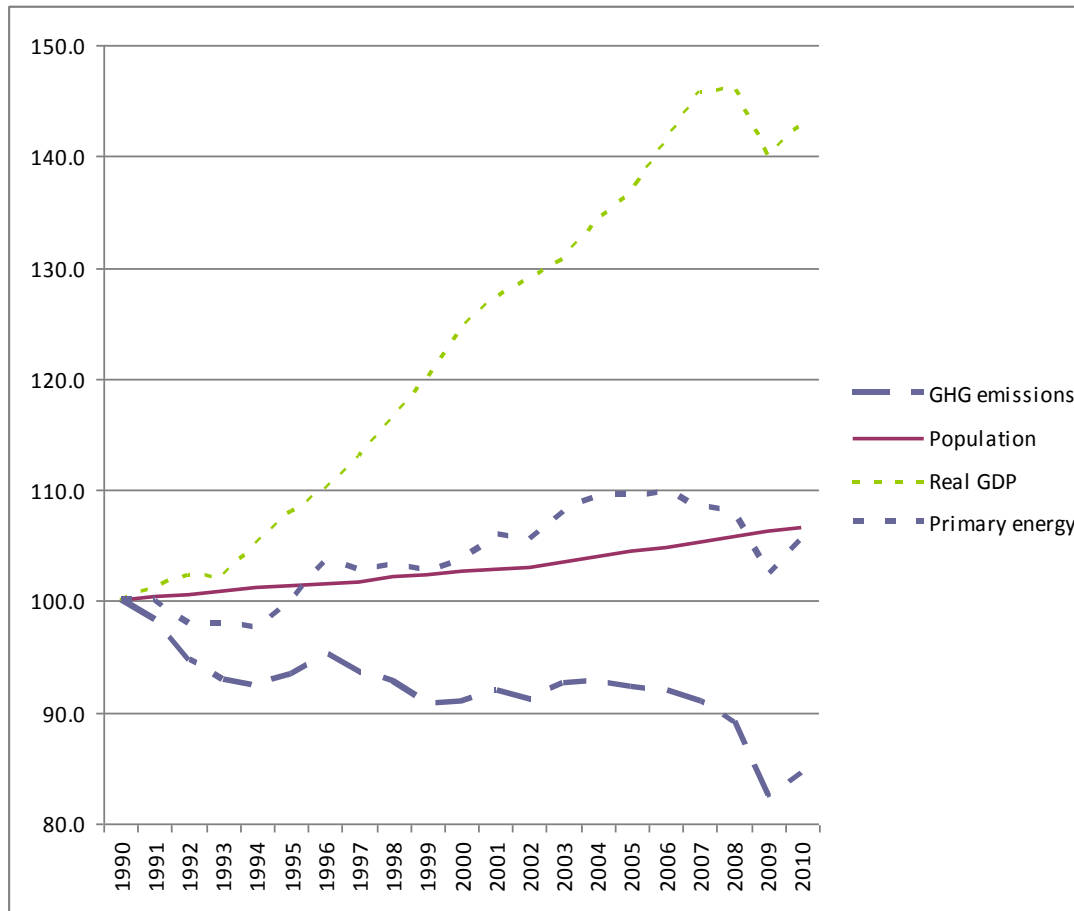


● Energy Roadmap 2050: a long-term policy framework

Aim of the Energy Roadmap

- Give more certainty to governments and investors
- Explore routes towards a low-carbon energy system by 2050 which improve competitiveness and security of supply
- Basis for developing the 2030 policy framework and concrete milestones: *public consultation until 2 July 2013*

● *GHG emissions are decreasing in the EU compared to other countries*



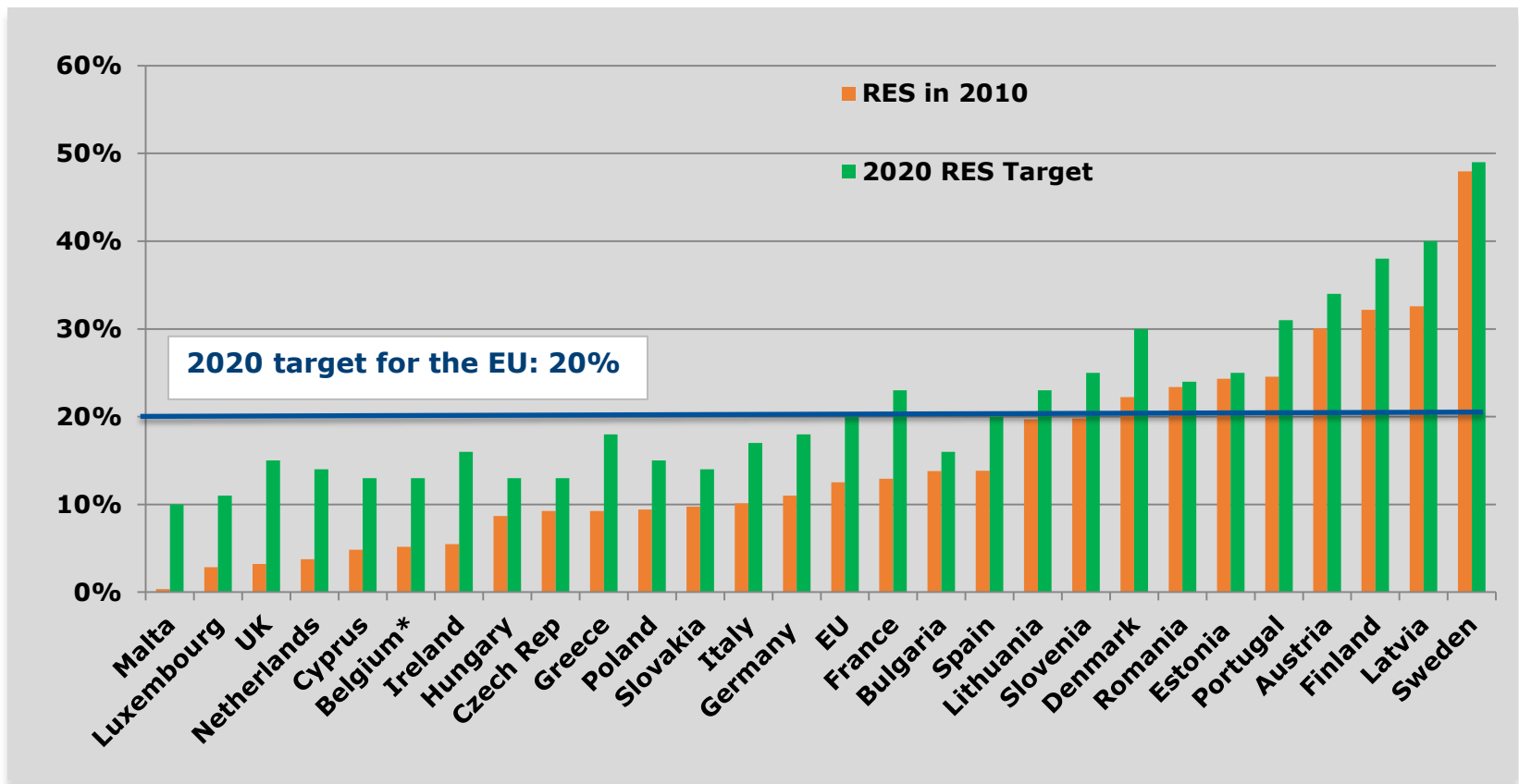
EU emissions reduced by 15.5% 1990 -2010

EU GDP grew >40%

EU as a whole on track towards 20% target

For half of the MS, existing policies and measures are sufficient to reach their Effort Sharing target domestically

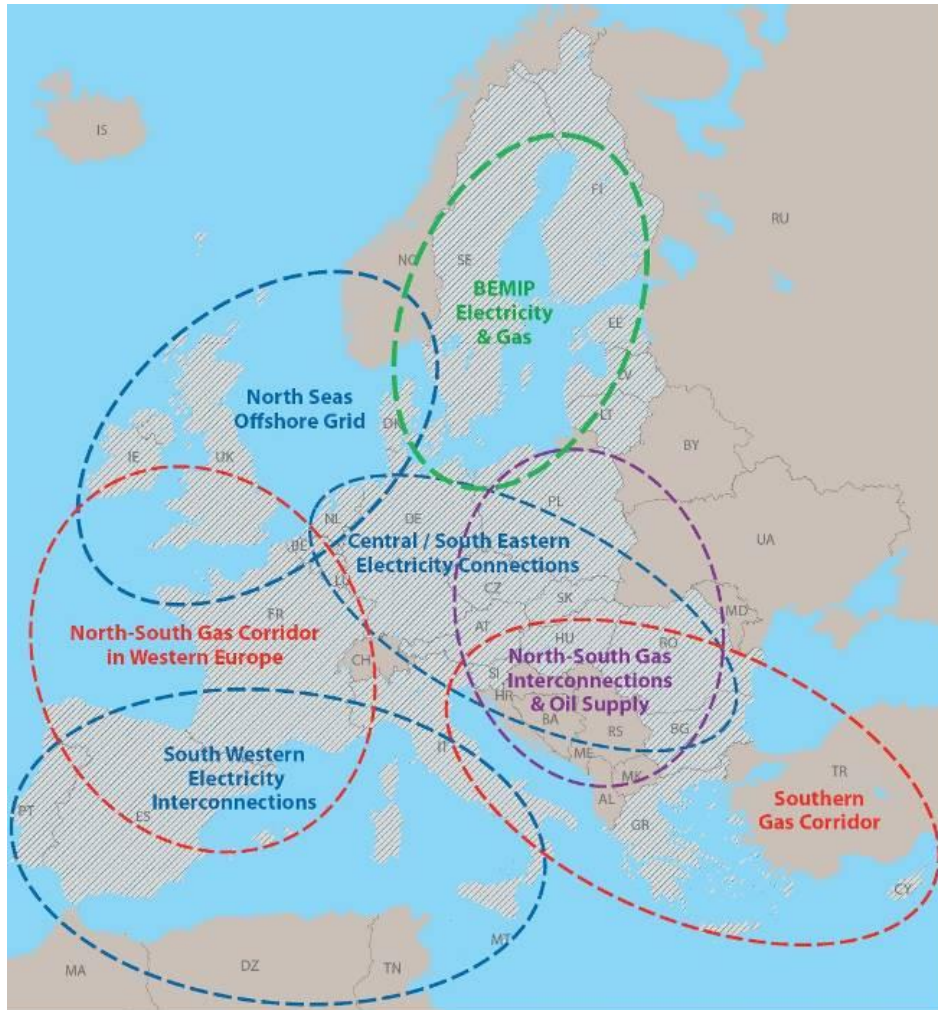
- *The EU is making good progress towards meeting the 2020 RES target - But most Member States are still some distance away*



Source: Eurostat

Renewable sources accounted for 12.7% of the EU's energy consumption in 2010

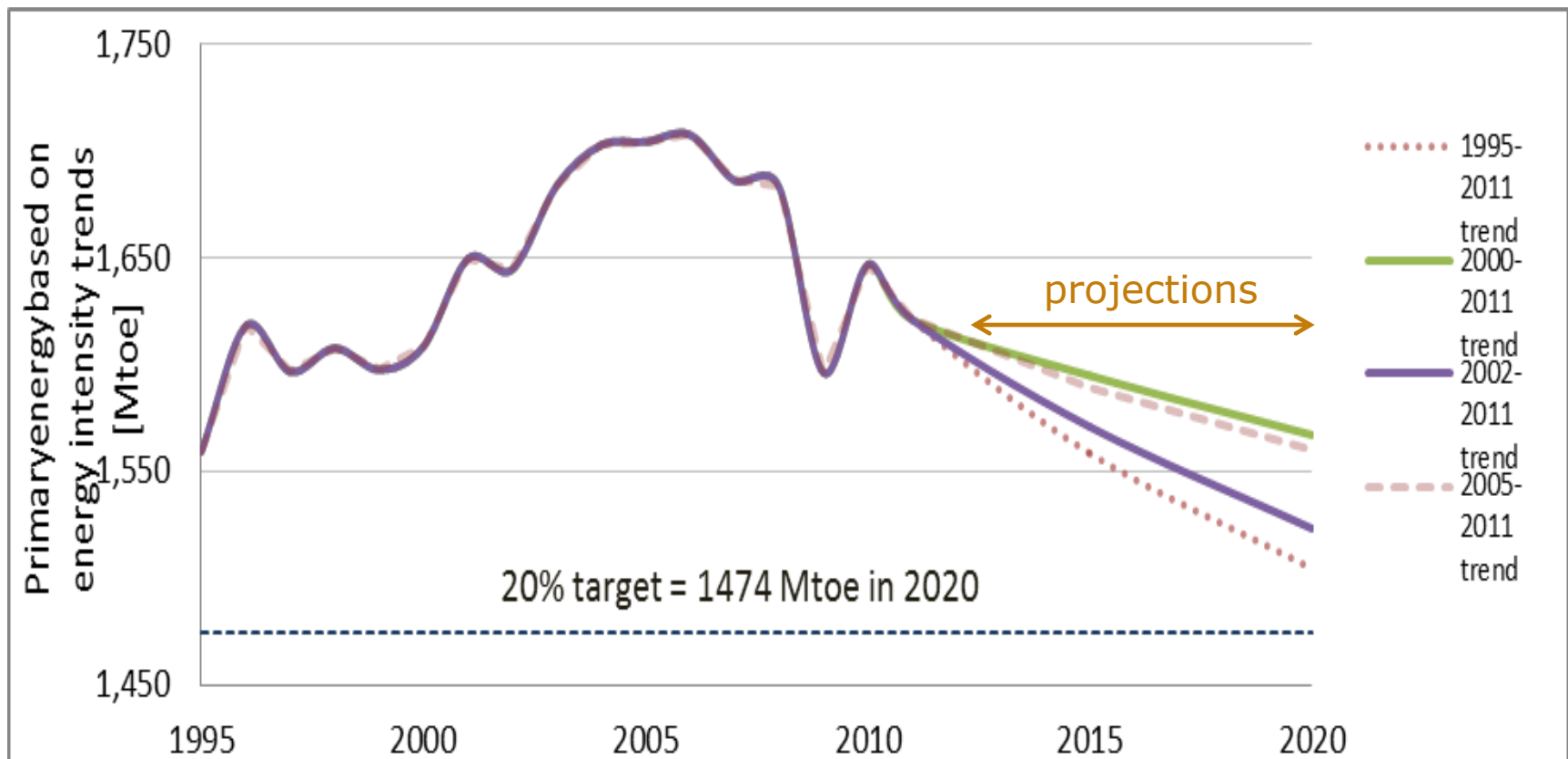
● *Making the Internal energy market and infrastructure work*



Priorities beyond 2020

- - - Gas
- - - Electricity
- - - Electricity and gas
- - - Oil and gas
- Smart Grids for Electricity in the EU

- *EU energy consumption is going down, but 2020 target likely to be missed with current policies*



Energy policy in support of local and regional actors

- **75% of EU population** lives in urban areas
- **85% of EU's GDP** is generated in cities
- Urban areas account for about **70% of** the total primary **energy demand** of the EU
- **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 the **solution**
- Urban energy consumption is projected to **increase** twice the rate of the EU as a whole (International Energy Agency)
- Cities and regions have enormous **potential** for sustainable energy deployment, with **positive impact** on local economy



4,525
SIGNATORY CITIES

166 million
Citizens involved

169
Regions, provinces
and networks
supporting



Sustainable Energy Action Plans



The Sustainable Energy Action Plans (SEAPs) Catalogue of the Covenant of Mayors gathers all SEAPs submitted by the signatories and/or accepted by the European Commission.

All these SEAPs are ranked by date of formal approval. All actions undertaken by the signatories within the Covenant of Mayors framework are described in the following documents.

Search for a Sustainable Energy Action Plan... OK

Search for a Sustainable Energy Action Plan...

Countries: [dropdown] CO2 target by 2020: [dropdown]

Year: [dropdown] SEAPs status: [dropdown]

856 Sustainable Energy Action Plans found.

- Sustainable Energy Action Plan accepted
- Sustainable Energy Action Plan submitted

1 2 3 4 5 6 7 8 9 ... 17 18 Next »

Signatories	Council deliberation	CO ₂ target	Download
Alcaudete, ES	17 Jul 2011	34%	
Antwerp, BE	27 Jun 2011	20%	
Ameglia, IT	23 Jun 2011	21%	
Framura, IT	7 May 2011	53%	
Carro, IT	4 May 2011	21%	
Bonassola, IT	29 Apr 2011	20%	
Borghetto di Vara, IT	26 Apr 2011	20%	
Rocchetta di Vara, IT	23 Apr 2011	28%	
Carrodano, IT	20 Apr 2011	28%	
Callús, ES	14 Apr 2011	26%	
Levanto, IT	30 Mar 2011	36%	

Find a Signatory



Download the Covenant of Mayors text

Latest Benchmarks

Province of Rome, Italy
Use 3R to save energy!

Hersonissos, Greece
Energy Efficiency Schools

Hersonissos, Greece
Hersonissos is one of the Municipalities in Crete that is participating at the European Energy Award using the methodology of the MEDEEA project

Hersonissos, Greece
Hersonissos Local Authority purchased its first hybrid car

Keratsini-Drapetsona, Greece
Participation at the 2011 European Mobility Week

Covenant of Mayors Office

Contact us to know more about the Covenant of Mayors in practice.

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2734 SEAPs submitted

A sample of ...SEAPS show:

- 29,8 % overall CO₂ reduction target
- € 33.6 billion planned investments (of 441 SEAPs with information on planned cost/investment)
- 73 million MWh estimated annual energy saving in 2020:
Equiv. 28 coal fired power plants (of 300MW)
- 23.7 million MWh planned annual energy generation in 2020 (renewable energy, CHP, district heating ...)
Equiv. of 7 coal fired power plants (of 300 MW)

The SMART Cities and Communities initiative

- Was launched in 2011 a European Innovation Partnership to pool resources to support the demonstration of energy, transport and ICT in urban areas
- Energy, transport and ICT industries are invited to work together with cities to combine their technologies to address cities' needs
- Enables innovative, integrated and efficient technologies to roll out and enter the market, placing cities at the centre of innovation
- Funding is awarded through yearly calls for proposals

Energy efficiency current EU framework

Energy performance of buildings Directive

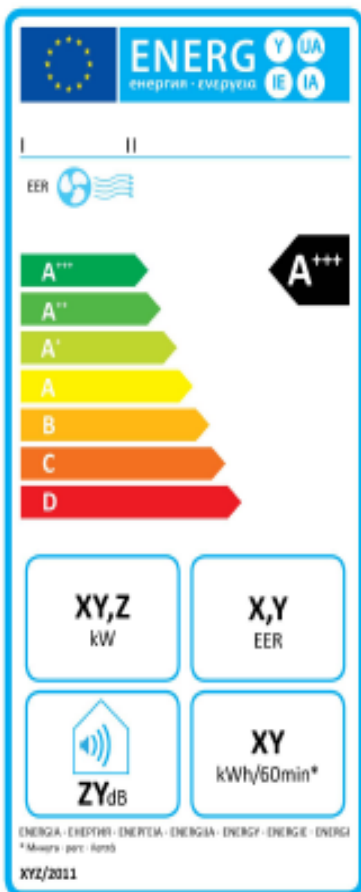
- Minimum energy performance requirements
- Energy Performance Certificates
- Nearly zero-energy buildings
- Certification and inspections

Eco-design and Energy Labelling Directives

- Minimum performance requirements on products
 - 17 measures adopted so far: electrical motors, fans, light bulbs, washing machines...
- Labelling

Energy Saving Directive

- Indicative 9% EE target by 2016
- National EE Action Plans (NEEAPs)



Current EU Financial Support to Energy Efficiency at local level

Cohesion policy funds (2007-2013):

- 5,1 billion € for energy efficiency (up to 8 billion € if all MS re-allocate 4% for housing under ERDF)

Intelligent Energy Europe Programme (2007-2013):

- 735 million € for 'soft' energy efficiency/renewables projects
- Capacity building, awareness raising, best practices sharing

ELENA Facility:

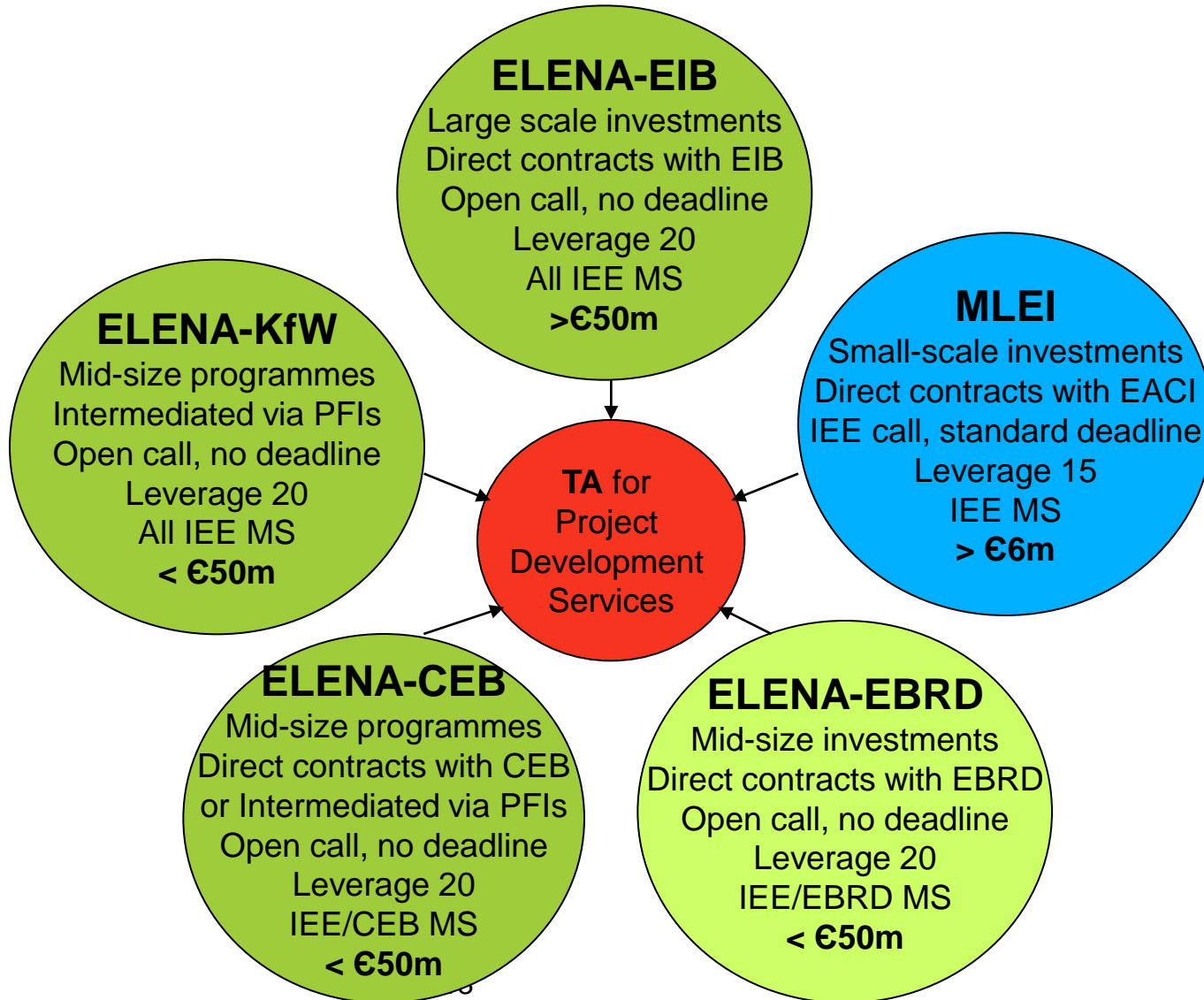
- 97 million € for technical assistance to mobilise investments
- To scale up projects and reduce transaction costs and support Project development phases

European Energy Efficiency Fund (EEE-F):

- 265 million € for investments into mature, bankable efficiency/renewables projects and 20 million € Technical Assistance
- Role model projects, leverage effect, EPC support...

Technical assistance facilities under the IEE

ELENA – Market Replication Projects



P&D Projects, Integrated Initiatives

The Multiannual Financial Framework 2014-2020: A new Paradigm for sustainable investments

- **Cohesion policy to allocate some 17 billion € to energy efficiency and renewable energy (doubling current allocations), on 5 priorities :**
 - Promoting the production and distribution of renewables
 - Promoting energy efficiency and renewables' use in SMEs
 - Supporting EE and RES use in public infrastructures and in the housing sector (only ERDF)
 - Developing smart distribution systems at low voltage levels
 - Promoting low-carbon strategies for urban areas
- **Horizon 2020: 6.5 billion € is to be allocated to research and innovation in "Secure, clean and efficient energy"**
 - Likely to include an IEE-type follow-up programme

HOW CITIES CAN GET INVOLVED



- Use energy better and disseminate good practices in energy efficiency
- **Increase capacity and knowledge and make the Internal Energy Market work**
- **Prepare for more renewables and smarter grids**
- **Urban planning, demand management promotion/dissemination**