



## IEE Programme support for Local Energy Actors and Actions

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# INTELLIGENT ENERGY EUROPE



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1. EACI - Intelligent Programme
2. Funding for local authorities
3. Conclusions
3. Examples of IEE funded projects





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# Intelligent Energy – Europe converting policy into action



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EU energy  
efficiency and  
renewables  
objectives



- Creating and spreading effective methods and best practice
- Training and education
- Know-how transfer
- Market transformation
- Actions informing policy development and enabling policy implementation at national/regional and local level



Real changes on  
the ground



# ~200 IEE renewable energy projects

**Heating and Cooling**  
40 projects



**Electricity**  
30 projects



**Small scale RE in buildings**  
40 projects



**Biofuels**  
20 projects



**Bio-business**  
5 projects



**Local actions**  
5 projects / 80 agencies



# Energy efficiency projects



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Equipment



Industry



Buildings



Transport



## 250+ PROJECTS

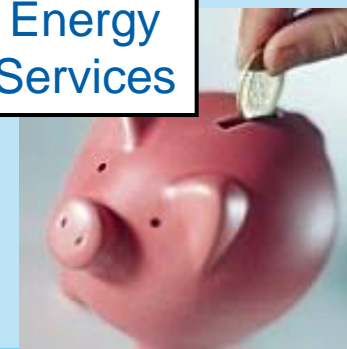
Education



Communities



Energy Services



# IEE

## fostering local actions



- ▶ More to be done to achieve 20% energy saving target
- ▶ Public authorities have a key role to play!
- ▶ Local authorities can provide strong market signals through their policies!
- ▶ Multi-level governance & involvement of energy agencies: technical capacity is a must



- ▶ one third of beneficiaries are local authorities.
- ▶ In Local Energy Leadership or Mobilising Local Energy Assistance, communities may have the lead of the project and be the majority of partners.
- ▶ funding based on justified local needs
- ▶ Local authorities - guarantors for grant and commitment



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# IEE

## fostering local actions



1. Local Action projects
2. Small / medium projects (MLEI)  
Mobilising Local Energy Assistance
3. EU Technical assistance facilities for project financing (IEE budget) – key to bankability:
  - ▶ Large projects (ELENA – EIB)
  - ▶ Medium size projects (ELENA –KwF)
  - ▶ EBRD (new entrants in EU)
  - ▶ Medium size projects (ELENA –CEB)



# Objectives of LEL key action



- Mobilising local and regional public authorities to lead the transition towards low carbon communities
- Strengthening their capacity in the field of sustainable energy planning and implementation
- Stimulating political commitment and concrete measures through approved Sustainable Energy Action Plans (SEAPs)
- Supporting the Covenant of Mayors initiative

# Projects previously funded in LEL



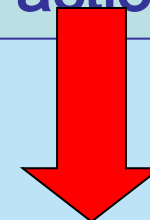
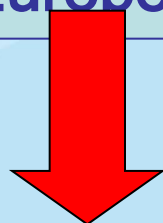
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- **Technical Assistance to local/regional authorities as regards the SEAP Process**
  - ▶ Organisation of individual Coaching for the development and implementation of SEAP
  - ▶ Development of specific tools
  - ▶ Support in institutionalisation of sustainable energy policies
- **Building capacity and skills**
  - ▶ Peer-to-peer transfer
  - ▶ Large-scale promotion
- **Accessing real energy data**
  - ▶ Cooperation and sharing of energy data between public authorities and utilities



**Sustainable Energy Communities**  
**Creation of Energy Agencies**  
**European networking for local actions**



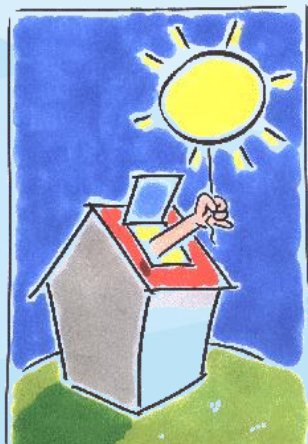
**Local Energy Leadership**

# Some key results

## Outputs:

2007-2011, 29 projects funded

- ▶ 522 SEAPs developed and 63 SEAPs revised
- ▶ 563 SEAPs actions implemented
- ▶ 107 Covenant Coordinators & Supporters benefited from IEE funding
- ▶ 1415 new signatories triggered



Tools and guidebooks on [www.iee-library.eu](http://www.iee-library.eu)

# LEL - Overview Call 2012



## Priority 1: Models for multi-level governance

- Collaboration between public authorities at local and regional level.
  - ▶ **Models of working structures** for coordinated sustainable energy planning

## Priority 2: Capacity building for town planning associations

- Exchange of experiences and competence building amongst national/regional town planning associations
  - ▶ **Integration** of sustainable energy aspects into spatial planning strategies at local and regional levels

# Tools and services for local authorities



## ■ ManagEnergy Initiative

- Networking opportunities and annual events
- Capacity building workshops
- Case studies and good practices

[www.managenergy.net](http://www.managenergy.net)

## ■ Covenant of Mayors Initiative

- Events and workshops
- Guidelines
- Networking possibilities

[www.eumayors.eu](http://www.eumayors.eu)

## ■ Intelligent Energy e-library

[www.iee-library.eu](http://www.iee-library.eu)

# Renovate Europe campaign



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**Focused on national, regional and local levels.  
Ambitious roadmap to triple the renovation rate by  
2020 and improve energy performance.**

**Energy Performance Contracting (EPC ) launched  
(11.10. 2012) by DG ENER through:**

- ▶ **Covenant of Mayors**
- ▶ **Managenergy**
- ▶ **EPEC/EIB**



# Mobilising local energy investments (IEE)



Technical assistance to prepare, mobilise financing, and launch local investments in energy efficiency and/or RES



## Targeted actors:

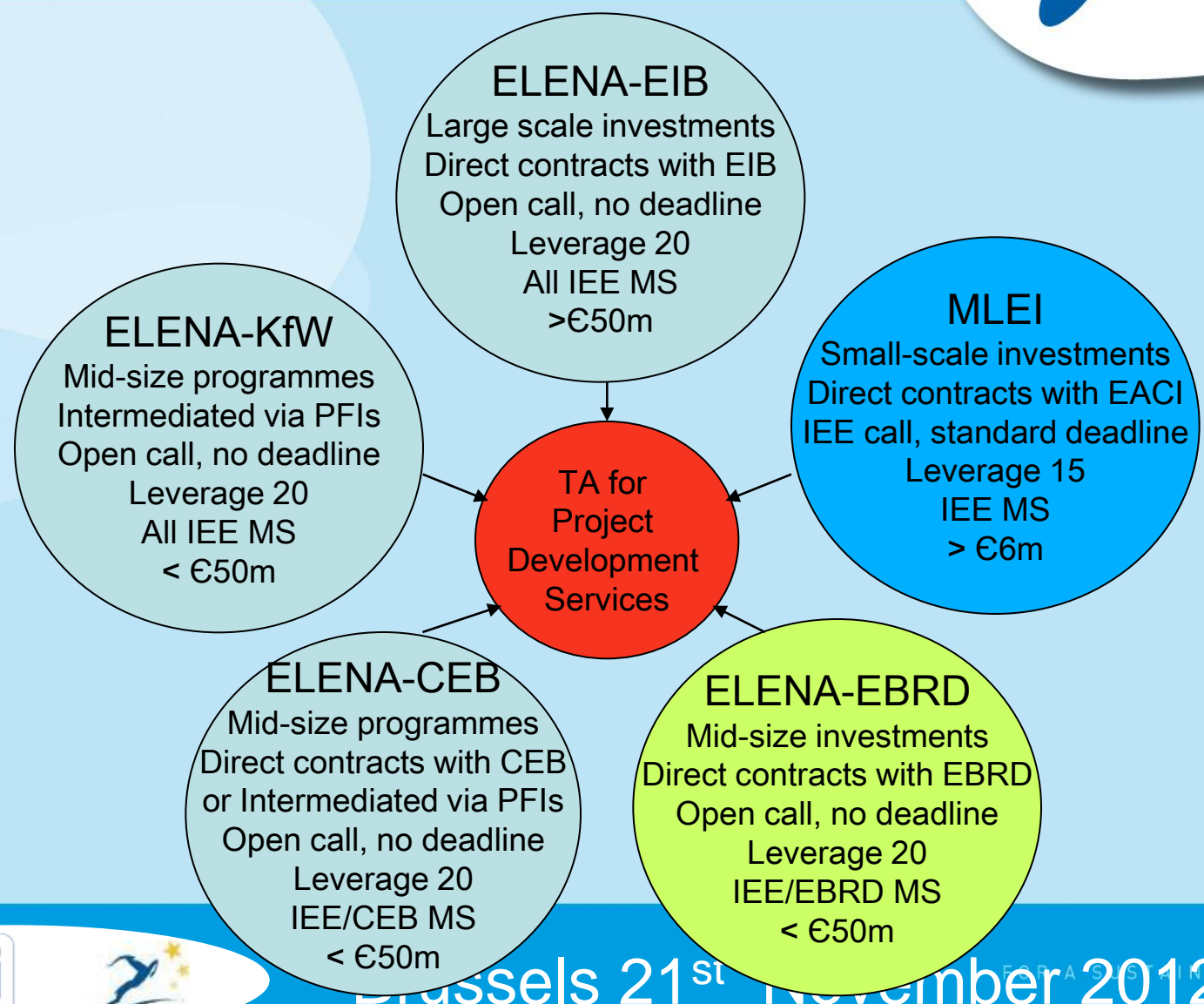
- ▶ Municipality, city, province, region, other public bodies or their groupings
- ▶ in a single country or in more than one country
- ▶ Committed with a SEAP (or equivalent)





ELENA – Market Replication Projects

P&D Projects, Integrated Initiatives



**ELENA-EIB**  
Large scale investments  
Direct contracts with EIB  
Open call, no deadline  
Leverage 20  
All IEE MS  
>€50m

**ELENA-KfW**  
Mid-size programmes  
Intermediated via PFIs  
Open call, no deadline  
Leverage 20  
All IEE MS  
< €50m

**MLEI**  
Small-scale investments  
Direct contracts with EACI  
IEE call, standard deadline  
Leverage 15  
IEE MS  
> €6m

**ELENA-CEB**  
Mid-size programmes  
Direct contracts with CEB  
or Intermediated via PFIs  
Open call, no deadline  
Leverage 20  
IEE/CEB MS  
< €50m

**ELENA-EBRD**  
Mid-size investments  
Direct contracts with EBRD  
Open call, no deadline  
Leverage 20  
IEE/EBRD MS  
< €50m

**TA for  
Project  
Development  
Services**



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# CONCLUSIONS I



**Local communities have possibilities:**

▶ **CoMO committment needs for development & implementation of SEAPs**

▶ **IEE Programme works in co-ordination with COMO and helps implementing DG ENER policy on the benefit of local authorities.**

▶ **Link between policy and financing. This happen also at regional/local level.**



# CONCLUSIONS II



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- ▶ **New Financial Instruments (IEE-ELENA-MLEI) to apply for and get funding**
- ▶ **Local Energy Leadership to take forward and effectively implement SEAP**
- ▶ **Best case examples on financing**
- ▶ **economies of scale by bundling many small sustainable energy projects together.**



- one third of beneficiaries are local authorities.
- In some Key Actions (Local Energy Leadership or Mobilising Local Energy Assistance) communities may have the lead of the project and be the majority of partners.
- EACI allocated funding is based on justified local needs
- Local authorities are the guarantors for the grants and for the commitments needed.

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# ENERGY NEIGHBOURHOOD



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**Bet to win!**  
Environmentally  
friendly competition  
between  
municipalities and  
their citizens.

[www.energyneighbourhoods.eu](http://www.energyneighbourhoods.eu)

- Transfer the successful 'Klimaatwijken' initiative from Belgium to 8 European countries.
- Participation of more than 5,000 households in the competition and more than 460 energy masters trained.
- 10% energy savings achieved through the competition.
- Launch of local climate debates where participants challenge the authorities in the energy saving efforts.



# ESCO in Municipality of Middelfart Triangle Region, Denmark



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Middelfart Municipality implemented ESCO in 2008 in municipality's 100 buildings renovated by a cooperating ESCO to save 21% energy. The EPC between municipality and ESCO ensures financially stable situation for municipality;

if energy savings do not achieve the savings then energy company contribute the remaining amount.

Middelfart's experience encourages trust in ESCO projects and inspires that it is possible to establish a financially viable SEAP.

A combination of expert advice, plenum and group discussions, examples of good practice meant ideas for SEAPs and EPCs in municipalities and how to share positive experiences.

it is possible to achieve ambitious energy saving goals

## Results

Investment: 6 m€

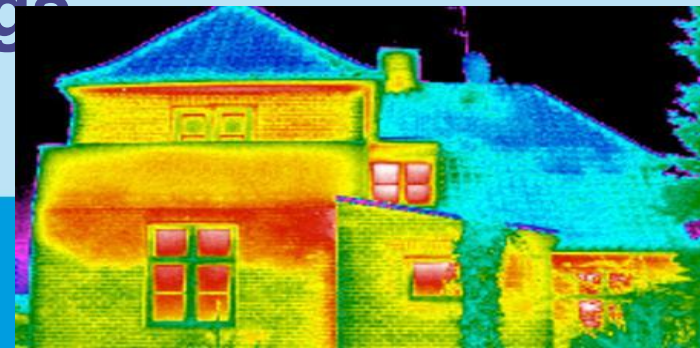
Primary energy savings: 2.770 Mwh

Reductions of greenhouse gas emissions: 13.430CO



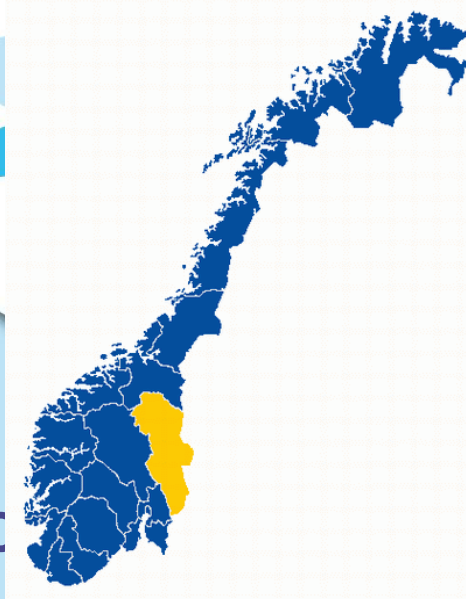


- **Energy Performance Contracting - a powerful tool for CoMO**
- **No need for upfront capital, infrastructure refurbishment financed by ESCO. Investment is repaid by energy savings, reducing financial risks for municipality.**
- **Signatory municipality of Oskarshamn cooperates with Schneider Electric in the refurbishment of public buildings**



# Sør-Østerdal / Hedmark / Norway

## ENSAMB



Attract suppliers to achieve good conditions.

5 Municipal Councils have approved EPC.

Municipalities, signed the CoMO & adopted Energy and C

- barriers for implementation: limited financial resources, capacity and expertise. Technical Assistance will provide template organisational model and rules for cooperation between small municipalities.
- prepare roadmap for appropriate tools (especially EPC) for such investments in municipalities with limited resources.

### Results:

- 25% energy savings in 120 municipal buildings=11 GWh/year
- investment of 11,25 m€.

# SEAP & Technical Assistance with ESCO



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**Province of Teramo** , Supporting Structure for 47 municipalities of the province. All municipalities have joined CoM and developed Sustainable Energy Action Plans.

- 70% of municipal electricity consumption is due to street lighting. Public lighting is a direct economic burden.
- Province of Teramo is implementing technical assistance (TA) for the benefit of the 33 Municipalities
- The TA will set up a support unit, and implement investments via ESCOs.

## Results:

**44% reduction of energy  
investment of 17 mil€**

# Boosting Energy Efficiency Actions Municipal Buildings of Graz



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- **City of Graz to reduce energy consumption by 30% until 2020. Real Estate & Building Management Graz Company is assigned public body for owning and managing the municipal real estate property.**
- **Measures include investments in installation of effective energy management and controlling (EMC) system covering 337 public buildings; energy-efficient refurbishment of 18 identified buildings through Energy Performance Contracting; ensuring high energy efficiency standards for 7 new public buildings.**

**Results: 19 mL € investment**

**5420 MWh energy savings, 902 tCO<sub>2</sub>e /year**

# Provincial Agency of Huelva



**ACCELERATES** project, speed up renewable energies and energy efficiency investment processes of Huelva's 77 municipalities signed up to the CoMO.

Small size of municipalities is obstacle in setting up investments to be attractive for Energy Service Companies (ESCOs) willing to invest in EPC.

**ACCELERATE** help municipalities to launch an investment of €7.5 m in street lighting and public buildings refurbishment by 2015. Projects identified from database of **the Sustainable Energy Action Plans**.

Technical assistance : to define technical specifications and determine financing structure. Huelva will then organise procurement for packages of investment projects.

**Results: reduction of 6 252t CO<sub>2</sub>e,  
10 986 807 KWh energy savings,  
100 new green jobs created**



# Provincial technical Assistance Resources for Investments and Development on Energy Efficiency



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- Province of Teramo is a Supporting Structure for the 47 municipalities. Municipalities have joined the Covenant of Mayors (CoM) and are developing their Sustainable Energy Action Plans.
- Municipal Baseline Emissions Inventories showed that 70% of municipal electricity consumption is due to street lighting. Province of Teramo is implementing technical assistance (TA) for the municipalities.
- TA set up a support unit, select procedure for the implementation of investments via ESCOs and prepare negotiations

# EU Sustainable Energy Week

## June 2013



- > EUSEW 2012 is:
- > A number of key policy events by the European Commission
- > 120+ events by Campaign Partners
- > Shining Intelligent Energy Projects
- > 500+ Energy Days in 30+ countries
- > Find out more on [www.eusew.eu](http://www.eusew.eu)

**EUSEW 2012 is also:**

- > **Managenergy Award, submit your proposal!**





# ManagEnergy services



- Dedicated services for public authorities around sustainable energy themes
- Kick off meeting on 3 May 2012 – running 3 years
- Service Provider: Consortium of PRACISIS, FEDARENE, Energy Cities, Energy Consulting Network A/S



## 3 pillars:

- ▶ Web-Portal & services
- ▶ Capacity building workshops
- ▶ Manag'Energy Conference, Awards, Networking meetings, Publications



# ManagEnergy.net

- Partner Search for projects

**managenergy** Search All

## Advanced Search for Partners

**Add search criteria**

- ▶ Funding programme
- ▶ Areas of expertise
- ▶ Type of organisation
- ▶ Target audience
- ▶ Countries or geographical zone

You are searching according to the following criteria (click to remove):  
**Intelligent Energy - Europe - ALTENER**  
**Energy Efficiency - Energy performance contracting / ESCO**

Found: 8 | [Start a new search](#)

**Agencia Provincial de la Energía de Cádiz**  
An energy agency has been established in the Province of Cadiz, with the support of the Intelligent Energy - Europe programme.  
Country: SPAIN Last Updated: May 09, 2012 08:42

**Federazione Italiana per l'uso Razionale dell'Energia**  
FIRE is a non-profit organization established in 1987 to promote energy efficiency. Its founder members were ENEA - Italian Agency for New technologies, Energy and the Environment - and other relevant organizations, which were active in the field ...  
Country: ITALY Last Updated: June 23, 2011 14:26

**TECNOLAND S.n.c. - Ingegneria del Territorio**  
TECNOLAND is a private company founded in 1990 and located in Lanciano – Province of Chieti (IT). The company operates in the field of residential, industrial and urban planning at local and national level, with a consolidated know-how in the fiel...  
Country: ITALY Last Updated: April 03, 2012 10:30

**Renewable - Kleanthis D. Kravvaritis & Partners**

# ManagEnergy Workshops

Year 1	Year 2	Year 3
15 March 2012 – 14 March 2013	15 March 2013 – 14 March 2014	15 March 2014 – 14 March 2015
Denmark	Sweden	Greece
Poland	UK	Germany
Slovenia	Finland	Poland
Romania	Bulgaria	Estonia
Lithuania	Netherlands	Lithuania
Estonia	CZ	Hungary
Hungary	Croatia	Latvia
	Slovakia	
CZ	Malta	Slovakia
Croatia	Latvia	Romania
France	Hungary	Poland
	Slovenia	Slovenia
Ireland	Romania	Bulgaria
Spain	Austria	?
Cyprus	Luxemburg	Belgium
Portugal		
Italy		Italy

# Awards



- Annual high profile awards ceremony during EU Sustainable Energy Week
- Winners, runners-up and shortlisted projects promoted on ManagEnergy.net
  - Published in ManagEnergy good practice brochure
  - Promoted at other EU events
- Open for submissions – November to February – see ManagEnergy.net for deadlines

# IEE publications & reports



**DRAFT**



- Available now in printed form
- 6 languages
- Hard copies & downloadable from IEE website

- MAG V will be available in December 2012
- Texts finalised





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THANK YOU  
FOR YOUR ATTENTION

