

Intelligent Energy Europe Applying for funding in 2011 - where to focus?

Dana Dutianu
Project Officer
Executive Agency for Competitiveness and Innovation



FOR A SUSTAINABLE FUTURE



Created by the European Commission to manage EU programmes
under Commission control and responsibility:



Competitiveness and Innovation Programme (CIP)
2007-2013

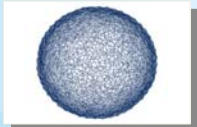
<http://ec.europa.eu/eaci>

FOR A SUSTAINABLE FUTURE

The EU intelligent energy agenda - a snapshot



- **EU 2020 energy strategy**
Competitive, sustainable and secure energy



- **Post-Cancun**
Shared commitment to counter climate change



- **Global goals need local action**
No change without many small, concrete steps

FOR A SUSTAINABLE FUTURE

The EU intelligent energy agenda - a snapshot



- **Energy efficiency**
A high priority of the new Commission



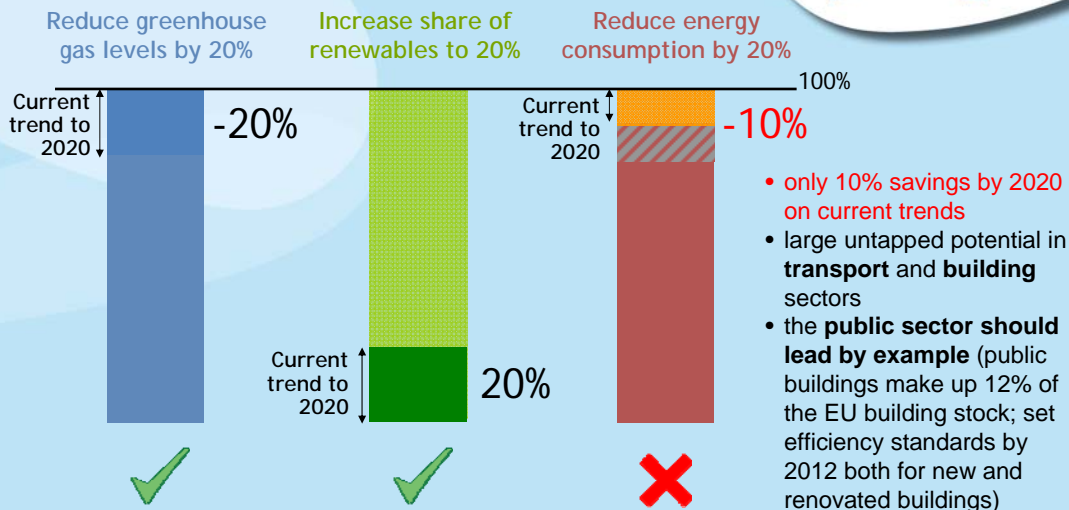
- **Renewables**
Time for implementing national action plans



- **EU funding opportunities**
Priority for energy efficiency and renewables

FOR A SUSTAINABLE FUTURE

Meeting our “20-20-20 by 2020” goals



FOR A SUSTAINABLE FUTURE

Recent policy developments



- **Recast of Energy Performance of Buildings Directive**
- Eco-design Implementing Measures
- Recast of Energy Labelling Directive
- **Review of the EE Action Plan (on-going)**
- Covenant of Mayors (approx. 1600 signatories)
- **RES Directive** → all 27 NAPs submitted
- "Energy 2020 - A strategy for competitive, sustainable and secure energy"
- Recovery Plan – Energy investments
- Amendment of European Regional Dev. Fund – eligibility for RES & EE investments in housing
- EU Infrastructure package

FOR A SUSTAINABLE FUTURE

National Renewable Energy Action Plans (NAPs)



- Key in explaining the implementation measures – a reference for the monitoring
- Evaluation and translation procedure undergoing
 - ✓ All published at the transparency platform of DG Energy
http://ec.europa.eu/energy/renewables/transparency_platform/action_plan_en.htm
 - ✓ For 2020 **over half of the Member States (AT, BG, CZ, DK, DE, GR, HU, ES, FR, LT, MT, NL, SI, SE) are planning to exceed their own targets** and be able to provide surpluses for other Member States
 - ✓ For **two Member States (IT, LU), a small part of the renewable energy needed to reach their target is planned to come from “imports”** in the form of statistical transfers from Member States with surpluses or third countries
 - ✓ If all these production forecasts are fulfilled, the overall share of renewable energy in the EU **will slightly exceed the 20% target** in 2020 → the EU would reach **20,34% RES share in its final energy consumption in 2020:**

FOR A SUSTAINABLE FUTURE

Intelligent Energy – Europe in a nutshell



€730 million from 2007-13

IT'S YOUR CALL



ec.europa.eu/energy

- Supports EU renewable energy and energy efficiency policies and helps reach the 2020 targets
- Encourages the uptake of proven intelligent energy solutions
- Is not a technology development programme, unlike FP7
- Works to make Europe more competitive and innovative

FOR A SUSTAINABLE FUTURE

«Promotion and dissemination project»?



A project which...

- helps deliver the key EU climate change and energy objectives
- matches the priorities of the IEE Work Programme 2011
- involves at least 3 partners from different countries
 - in 2011 - exception for “Building Workforce Initiative” and “Mobilising local energy investments”
- takes 2 to maximum 3 years to deliver
- is not a “hardware” type investment or research & development project!



FOR A SUSTAINABLE FUTURE

The 2011 call for proposals



Call identifier:
CIP-IEE-2011

Deadline for applying:
Thursday 12 May 2011, 17:00
(Brussels local time)

Except for “Building Workforce Training and Qualification Initiative”:
Wednesday 15 June 2011, 17:00
(Brussels local time)

Electronic submission only

For further information: <http://ec.europa.eu/intelligentenergy>

FOR A SUSTAINABLE FUTURE

Who can apply for funding?



- Any public or private organisation established in the EU, Norway, Iceland, Liechtenstein, and Croatia (check IEE website)
- International organisations
- Individuals cannot apply

FOR A SUSTAINABLE FUTURE

What's new in 2011?



- A multi-annual scheme for **training and qualification of the building workforce**, focusing on national strategies to develop the necessary 'green' skills
- Actions aimed at promoting more **energy savings in industry**
- Actions aimed at facilitating the uptake of '**nearly zero energy buildings**'
- Actions aimed at simplifying procedures for **grid developments** to deliver more renewable energy
- Support to local and regional authorities, in particular for **mobilising actors and local investments** in energy efficiency and renewable energy



FOR A SUSTAINABLE FUTURE

How will this year's budget be spent?



→ **€67 million**
to support “promotion and dissemination projects”
(up to 75%* of the eligible project costs)

* exception for “Building Workforce Initiative”

→ **€30 million**
for the “ELENA” facilities via EIB, KfW and CEB



→ **€17 million**
to purchase services (tenders) and support activities
not subject to calls (e.g. standards)

FOR A SUSTAINABLE FUTURE

Funding areas 2011



1. Energy efficiency (SAVE)

- 1.1. Energy-efficient products
- 1.2. Industrial excellence in energy



2. Renewable energy sources (ALTENER)

- 2.1. Electricity from RES
- 2.2. RES in heating & cooling
- 2.3. Bio-energy



3. Energy in transport (STEER)

- 3.1. Energy-efficient transport
- 3.2. Clean and energy efficient vehicles



4. Integrated initiatives

- 4.1. Local energy leadership
- 4.2. Mobilising local energy investments
- 4.3. EE and RES in buildings
- 4.4. Building Workforce Initiative

FOR A SUSTAINABLE FUTURE

1. Energy efficiency (SAVE):



1.1. Energy-efficient products

Actions aimed at:

- Increasing the market share of **sustainable and energy-efficient products**
- fostering **green procurement**
- checking compliance with EU legislation (**market surveillance**)



1.2. Industrial excellence in energy

Actions aimed at:

- Reaping savings in **specific branches** (incl. energy-intensive industries)
- Establishing **cross-sector schemes** (e.g. audit or financing schemes for SMEs; waste heat recovery scheme)



FOR A SUSTAINABLE FUTURE

Funding areas 2011



1. Energy efficiency (SAVE)

- 1.1. Energy-efficient products
- 1.2. Industrial excellence in energy



2. Renewable energy sources (ALTENER)

- 2.1. Electricity from RES
- 2.2. RES in heating & cooling
- 2.3. Bio-energy



3. Energy in transport (STEER)

- 3.1. Energy-efficient transport
- 3.2. Clean and energy efficient vehicles



4. Integrated initiatives

- 4.1. Local energy leadership
- 4.2. Mobilising local energy investments
- 4.3. EE and RES in buildings
- 4.4. Building Workforce Initiative

FOR A SUSTAINABLE FUTURE

2. Renewable energy sources (ALTENER):



2.1. Electricity from RES

- **Grid issues:** “Infra-structure Package”, offshore authorisation procedures, electricity storage.
 - ↳ actions to support implementation of the new Infrastructure package and the RES Directive (Article 16).
- **Social acceptance:** analysis, information on impacts of new RES generators and grid extensions.
 - ↳ actions to support the social acceptance of future renewable electricity-generating plants and of new constructions to reinforce and expand the electricity grid.
- **Simplification of procedures:** support and training for authorising officers, reduce delays
 - ↳ relevant for both large renewable electricity generators and small generators, e.g. PV systems on buildings
- **Strategic initiatives:** analyses, planning, streamlining of market frameworks (e.g.: flexibility mechanisms)
[“all RES” strategic initiatives eligible under this Key Action]

- Active participation and engagement of relevant market actors and authorities
- Not technological development !

UTURE

2. Renewable energy sources (ALTENER):



2.2. RES in heating & cooling

- **Biomass, heat pumps and solar in existing buildings:** motivate public authorities, other building owners
 - ↳ Actions to support the implementation of Art. 13(2) of the RES Directive
 - ↳ Public authorities and other building owners should be actively engaged and support the action
- **District heating and cooling with RES:** intelligent networks, motivate planners and builders
 - ↳ **Existing networks:** Intelligent approaches to facilitate changeover of DHC networks to RES and management of DHC networks already using RES (smart meters, innovative market instruments, structures and codes)
 - ↳ **New networks:** Urban planners, local and regional authorities and the building sector (designers, property developers and contractors), aiming to include DHC using RES when planning, designing, building and renovating residential, commercial or industrial areas.
- **Strategic initiatives:** support schemes, guarantees of origin, permit procedures, environmental impacts and social acceptance.

- Active participation and engagement of relevant market actors and authorities
- Not technological development !

UTURE

2. Renewable energy sources (ALTENER):



2.3. Bio-energy

- **Solid biomass:** increase supplies from sustainably managed forests, agricultural residues and wastes
- **Liquid biofuels:** sustainable supply chains from non land-using biofuels (eg waste cooking oil, residues).
- **Biogas:** from waste and agricultural residues for heat, CHP, gas grid injection, and/or transport fuel.
- **Strategic initiatives:** bio-energy policies and plans, with focus on sustainability.



FOR A SUSTAINABLE FUTURE

Funding areas 2011



1. Energy efficiency (SAVE)

- 1.1. Energy-efficient products
- 1.2. Industrial excellence in energy



2. Renewable energy sources (ALTENER)

- 2.1. Electricity from RES
- 2.2. RES in heating & cooling
- 2.3. Bio-energy



3. Energy in transport (STEER)

- 3.1. Energy-efficient transport
- 3.2. Clean and energy efficient vehicles



4. Integrated initiatives

- 4.1. Local energy leadership
- 4.2. Mobilising local energy investments
- 4.3. EE and RES in buildings
- 4.4. Building Workforce Initiative

FOR A SUSTAINABLE FUTURE

3. Energy in transport (STEER)



3.1. Energy-efficient transport

Actions aimed at:

- supporting the take up of **Sustainable Urban Mobility Plans**
- or increasing the energy efficiency of **freight distribution** in urban areas
- or greening **leisure travel**



3.2. Clean and EE vehicles

- assisting fleet operators and authorities with the implementation of the **Clean Vehicle Directive**
- or addressing specific issues related to the **safety** or **eco-driving** of clean and energy efficient vehicles



FOR A SUSTAINABLE FUTURE

Funding areas 2011



1. Energy efficiency (SAVE)

- 1.1. Energy-efficient products
- 1.2. Industrial excellence in energy



2. Renewable energy sources (ALTENER)

- 2.1. Electricity from RES
- 2.2. RES in heating & cooling
- 2.3. Bio-energy



3. Energy in transport (STEER)

- 3.1. Energy-efficient transport
- 3.2. Clean and energy efficient vehicles



4. Integrated initiatives

- 4.1. Local energy leadership
- 4.2. Mobilising local energy investments
- 4.3. EE and RES in buildings
- 4.4. Building Workforce Initiative

FOR A SUSTAINABLE FUTURE

4. Integrated initiatives:



4.1. Local energy leadership

➤ Integration of sustainable energy policies in public authorities' operations:

- ↻ Capacity building and exchange of experience between **experienced** local authorities and **'learning'** local authorities:
 - ✓ Institutionalisation of sustainable energy policies
 - ✓ Implementation of SEAPs* in 'learning' bodies.

➤ Cooperation between public authorities and other local actors (energy utilities)

- ↻ Facilitating **cooperation and sharing** between public authorities and other local actors of **energy data** needed for the development, implementation and monitoring of SEAPs



**Sustainable Energy Action Plans*

FOR A SUSTAINABLE FUTURE

4. Integrated initiatives:



4.2. Mobilising local energy investments

- **Technical assistance (TA) for public authorities** on energy efficiency and/or renewable energy projects (identified in their SEAPs), to secure bank loans and/or EU grants (e.g. from cohesion or structural funds).

Special conditions :

- ↻ Applicants may come from one country or more
- ↻ Targeted actors: local/regional level (e.g. municipality, city, province, region, other public bodies or their groupings, etc)
- ↻ Applicants must commit to CO₂ reduction targets
- ↻ Applicants must submit technical details and costs of their proposed TA and their investments
- ↻ Investment costs must be ≥ 15 times TA costs
- ↻ Min. investment 6M€, within 36 months of signature



- See specific instructions in the « Guide for proposers »

FOR A SUSTAINABLE FUTURE

4. Integrated initiatives:



4.3. EE and RES in buildings

Priority on **nearly-zero energy buildings** with actions aimed at:

- encouraging **integrated energy design**
 - ↪ e.g. large-scale commitments amongst market actors; embedding of common procedures into tendering specifications; etc
- or increasing the visibility of **front runners**
 - ↪ for capacity & confidence building, by means of practical exposure to success stories
- or increasing the **conversion of the existing stock** into nearly-zero energy buildings
 - ↪ supporting preparation and implementations of measures and instruments, including regulations and finance schemes, building codes, etc
- or helping the **public sector** set the example
 - ↪ encouraging public sector to become an early adopter and to go beyond the requirements laid down in the legislation
- or aiming to get **industry** on board – with complementary EE and RE solutions



FOR A SUSTAINABLE FUTURE

4. Integrated initiatives:



4.4. Building Workforce Initiative

- **Continuing education**: skills and training on energy efficiency and renewables in buildings for craftsmen, and other on-site **workers**
- Pillar 1 (Call 2011): **National qualification platforms and roadmaps**: agreed needs, priorities, measures, accreditation schemes, etc.
One proposal per country.
- **Specific Guide, application forms and deadline (15 June 2011)**
- Pillar 2 (Call 2012): **Qualification schemes**. Proposals will be invited next year, to be based on an established national roadmap.

FOR A SUSTAINABLE FUTURE



MULTUMESC PENTRU ATENTIE !



Deadline for applying: 12 May 2011

Except for “Building Workforce Training and Qualification Initiative”: 15 June 2011

<http://ec.europa.eu/intelligentenergy>



FOR A SUSTAINABLE FUTURE