EU RES policy framework and relevant initiatives for municipalities to promote RES in the urban environment

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Bases of the European Energy Policy

- Climate change
- Energy efficiency and renewable energy sources
- Security and continuity of energy supplies
- Competitiveness

Intelligent Energy
European policy

20-20-20 energy objectives

- reduce greenhouse gas emissions by 20% by 2020
- reduce its global primary energy use by 20% by 2020
- increase the level of renewable energy in the EU's final energy mix from 8.5% in 2005 to 20% by 2020

- RES directive 2009/28/EC
- Initiatives for the promotion of RES in the urban environment
The RES directive:

- Sets Mandatory national targets for RE shares by 2020 (EU targets 20%, including 10% renewable share in transport);
- Requires National action plans;
- Introduces the possibility of cooperation mechanisms among to provide flexibility to Member States in reaching their targets;
- Requires reduction of administrative and regulatory barriers; use of minimum levels of energy from RES in new/refurbished buildings (Art 13)
- Requires improvements in provision of information & training (art 14)
- Requires improvements in access to the electricity grid;
- Creates a sustainability regime for biofuels.
The RES Directive: Planning, building codes (art. 13):
– relevance for RES in the Urban environment

- Recommend the use of RES and district heating – for planning of residential and industrial areas, city infrastructure planning
- Measures to be introduced in building regulations and codes to increase RES share in buildings sector
  - Minimum RES levels by 2014
  - Exemplary role of public buildings by 2012
  - Also energy efficiency requirements of systems and equipment
The RES Directive:
(art 13) Administrative procedures — relevance for RES in the urban environment

Ensure that national rules on authorisation procedures are proportionate and necessary:

- Coordinated, defined responsibilities at national – regional - local level, transparent timetables

- Comprehensive information on the processing of applications and on assistance available

- Streamlined administrative procedures

- Objective, transparent, non-discriminatory rules

- Transparent, cost-related administrative charges

- Simplified, less-burdensome procedures for small installations
The RES Directive: Information and training (art. 14) – relevance for RES in the urban environment

Member States shall ensure that:

- Information is available on support measures
- Information is available on net benefits, costs, EE of equipment and systems
- Certification schemes or equivalent qualification schemes are available by 31.12.2012 for installers of small scale RES systems (scheme based on minimum criteria laid down in ANNEX IV). Mutual recognition at EU level;
- Information available on certification schemes and list of installers;
- Guidance available for planners and architects;
- Information, awareness raising and training to inform citizens
What is next?


- National Action Plans are due by June 2010.
The role of regional and local authorities in the implementation of the Directive

- Implementation of the RES directive
  - Setting own targets and objectives
  - Involvement in the preparation of National Action Plans
  - Awareness raising, information, guidance, training
  - Implementation of regional/ local support schemes or minimum obligations in buildings (building codes), public buildings
  - Cooperation and coordination of authorisation procedures local-regional- national authorities
  - Spatial planning, city planning
  - Sharing best practices
Supporting programmes and tools at EU level

IEE programme


- IEE promotion and dissemination projects

- Elena Initiative - European Investment Bank

- BUILD-UP, MANAGENERGY, EUSEW, etc...

Others (i.e. Covenant of Mayors, Concerto etc..)

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

- [http://concertoplus.eu/](http://concertoplus.eu/)
A programme to help convert policy into action

EU energy efficiency and renewables objectives

- Creating and spreading effective methods and best practice
- Training and education
- Know-how transfer
- Market intelligence
- Inform policy development and implementation

Real changes on the ground
Intelligent Energy – Europe in a nutshell

- €730 million from 2007-13
- 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
How will this year’s budget be spent?
(final figures tbc)

- €56 million to support “promotion and dissemination projects” (up to 75% of the eligible project costs)
- €15 million for the “ELENA” facility of the European Investment Bank - to support Market Replication Projects
- €17 million to purchase services (tenders)
- €16 million for concerted actions and other mechanisms
A project which...

- helps deliver the key EU climate change and energy objectives
- matches the priorities of the IEE Work Programme 2010
- involves at least 3 partners from different countries
- takes 2 to maximum 3 years to deliver
- is not a “hardware” type investment or research & development project!
Funding areas 2010

- Energy efficiency (SAVE)
- Energy-efficient transport (STEER)
- Renewable energy sources (ALTENER)
- Integrated initiatives
RES in buildings Priorities for 2010 (1)

- Accelerate deployment of biomass, geothermal and solar for heating / cooling, and PV electricity individual systems in energy efficient buildings and district heating / cooling
  - Promote new building codes or ordinances
  - Capacity building for local / regional authorities (planning)
  - Stimulate investments in renewable energy for groups of buildings to achieve economies of scale
  - Targeted information on support measures, benefits/costs and performance of RES systems

Actions should preferably be led by:
- public authorities (urban planners and energy specialists working together),
- organisations from the building sector, such as construction companies, architects, developers, housing associations,
- energy service companies aiming to invest in RES systems.
Projects that address Articles 13 and 14 of the RES directive that are the main drivers of specific actions in the building sector.

With concrete engagement of actors from the building sector and from public authorities (as partners, or with any other proactive role, not only as recipients of info) is a priority of the key action RES in buildings.

Ongoing and future IEE actions should be ambitious in terms of:

- Additional RES installations triggered during and after the action (MWh per year of new RE supplies);
- Voluntary commitments by important market actors to install RES in new / refurbished buildings after the end of the action (MW per year, kW per m2);
- Evidence that specific project outcomes have influenced the introduction or implementation of new plans, building codes or ordinances.
Implementation of five best practice Solar Thermal Ordinances (STOs)

**Partners:** local authorities, technical and research institutes, solar energy association, energy agencies

**Target groups:** cities, local and regional authorities

**Expected results**

- Development of optimized STOs
- Pilot implementations of STOs (local show cases) + demonstration of their high impact in five areas: the Region of Lazio and the Cities of Lisbon, Murcia, Stuttgart and Giurgiu
- Dissemination of project outcomes to potential new local authorities in Europe
- Over 10 new local authorities start concrete implementation on STO
Solar energy in the urban planning process of five European cities

**Partners**: cities, local energy agencies, universities, consultants

**Target groups**: local authorities (energy, planning and urban departments).

**Expected results**

- Implementation of advanced planning and policy making process integrating solar aspects in European cities: at least six cities integrating solar energies as part in their urban planning (Paris, Lisbon, Munich, Vitoria, Lyon and Malmo).
- Establish a more comprehensive approach of interdisciplinary planning within local authorities.
- Identified methods and instruments for solar urban planning will be applied together with the local authorities in pilot actions.
Solar District Heating (SDH) in Europe - Integration of large scale solar thermal plants in new and existing DH networks

Partners: DH associations, local energy planning experts, engineering company, solar utility

Target groups: local authorities, planners, local utilities, DH suppliers, housing sector

Expected results

• Analysis of current market conditions and barriers for SDH translated into recommendations for decision makers and support scheme managers
• Development of industry standards and guidelines for SDH
• Training courses on SDH for technical and non-technical staff (utilities, DH suppliers, developers, decision makers)
• Dissemination activities incl. SDH plant visits for market actors and decision makers
More projects are needed: the 2010 call for proposals

Expected publication date:
mid-March 2010

Expected deadline for applying:
mid-June 2010

Info day in Portugal on 13 April 2010

Info days in other countries: please check the website:
http://ec.europa.eu/energy/intelligent/events/ninfodays_en.htm
Intelligent Energy – Europe: what’s in the box?

ELENA – European Local ENergy Assistance

BUILD UP energy solutions for better buildings
Commitments of Local Authorities when joining the Covenant of Mayors

- To go beyond the EU’s CO2 20% reduction objective
- Prepare a Baseline Emission Inventory
- Set up a Sustainable Energy Action Plan
- Submit regular Implementation Reports
- Organise Local Energy Days

1297!

866 CITIES SIGNED UP and commit to reduce CO₂ emissions on their territories by at least 20% by 2020!
Financial Institutions (European Investment Bank)

ELENA – European Local Energy Assistance

- **Technical assistance** facility for municipalities
- 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
BUILD UP Goals

- Gather building professionals, local authorities and citizens

- Become THE European portal for energy efficiency in buildings

- 2 main goals:
  - Transfer best practices of energy savings measures and foster their uptake
  - Keep the market updated about EU energy policy for buildings
ManagEnergy

Tools and services for local and regional authorities and energy agencies

- Interactive website
- Networking opportunities
- Capacity building workshops
- Case studies and good practices
- Education corner
- Information on EU legislation
- Annual events

www.managenergy.net
Thank you for your attention!

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