

Malta Intelligent Energy Management Agency

MIEMA

Other energy related funding opportunities for Local Councils

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Joint Information Session

Intelligent Energy Funding Opportunities for Local Councils

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1. About the Agency

- ❑ Mandate to set up Energy Management Agency for Malta (MIEMA) – January 2006
- ❑ Project proposal submitted and funded by the EC – IEE programme
- ❑ Agency legally established by public deed in June 2007
- ❑ Board members nominated

Initial activities

- Meetings with most major stakeholders throughout 2007
- Consortium kick-off meeting in Portugal, November 2007
- Project Partners:
 - Municipality of Barreiro (PT)
 - Municipality of Vaslui (RO)
 - Province of Oristano (IT)
 - Fondazzjoni Temi Zammit (MT)

MIEMA Board of Directors

□ Representatives from:

Fondazzjoni Temi Zammit
Institute for Energy Technology
University of Malta
Ministry for Resources & Rural Affairs
Malta Resources Authority
Ministry of Finance
Consumer Affairs Department
Malta Local Councils
Gozo Local Councils

Building Synergies

□ Identification of Stakeholders

- (MRA; BICC; University of Malta; ME; MCST; FOI; GRTU; Ministry for Resources & Rural Affairs; OPM; Association of Local Councils; MIMCOL – CIP/IEE National Contact Point; FME; private companies; professional bodies; LCs; PV installers...)

□ Coordination with the Consortium partners:

- Internships and staff exchanges
- Professionals from Spain and Italy

2. Project Activities

- Energy Planning (WP 3)

- Sector Activities (WP 4)
Pilot projects/studies on:
 - *Green certificates*
 - *Net metering*
 - *Energy certification of buildings*
 - *Biofuels*
 - *Public lighting*
 - *Energy audits for commercial zone*
 - *Energy audits for tourism establishments*

Activities (cont...)

- Horizontal Activities (WP 5)
 1. *Training courses*
 2. *Information sessions*
 3. *Publicity of pilot initiatives*

- Communication & Dissemination (WP 6 & 8)
 - *Corporate image, website*
 - *Publications and promotional material*
 - *Info-days, press conferences, participation in fairs*
 - *awareness-raising events on specific themes*
 - *technical work sessions with professional bodies*
 - *consortium dissemination activities*

Biofuels

- November 5 2008: Symposium on the production of biofuel from marine microalgae

- In collaboration with:
 - Ministry for Resources and Rural Affairs
 - University of Malta
 - University of Padova

Biofuels (Cont...)



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Wave Energy

- ❑ Renewable energy from waves
- ❑ Innovative technology
- ❑ Compatible with local oceanographic conditions
- ❑ Very low visual impact
- ❑ Collaboration with a Swedish group
- ❑ Planning the setting up of a pilot plant in Malta

3. New Project Proposals

- The Agency has submitted or plans to submit new proposals under:
 - Life+
 - Interreg IVA (Italia-Malta)
 - Interreg IVB (MED Programme)
 - Interreg IVC
 - Interreg MED
 - FP7
 - ERDF
 - ESF
 - ENPI

New Project Proposals: Examples

- Interreg IVB (MED)
 - ECOLIGHT – Energy efficient lighting
 - LiMIT4WeDA – Energy efficient transport
 - ENERSCAPES (as LP) – RES and heritage

- Interreg IVC
 - RENERSEA – Renewable energy

- FP7
 - EUBIOGASNET – Renewable energy
 - InnoGen – Renewable energy

4. Overview of Programmes

- European Territorial Cooperation:
 - Cross-Border Cooperation Programme Italy-Malta 2007-2013 (Interreg IVA)
 - MED Operational Programme 2007 – 2013 (Interreg IVB)
 - Interregional Cooperation Programme Interreg IVC

- European Neighbourhood Policy Instrument (ENPI)

- Framework Programme 7 (FP7) Energy

5. Interreg IVA Italy-Malta

Eligible Areas

□ Areas in Sicily

- The regional Provinces of Agrigento, Caltanissetta, Ragusa, Siracusa, Trapani, Catania and Palermo

□ Areas in Malta

- The entire state of Malta (which includes the islands of Malta, Gozo and Comino).

IVA: Strategic Framework

GENERAL OBJECTIVE

“Strengthening the attractiveness and the competitiveness of the cross-border area, within a framework of environmental sustainability”

PRIORITY AXES

PRIORITY AXIS I

COMPETITIVENESS:
Research and Innovation;
Sustainable Development

PRIORITY AXIS II

ENVIRONMENT, ENERGY and
RISK PREVENTION

PRIORITY AXIS III

TECHNICAL ASSISTANCE,
AWARENESS,
COMMUNICATION and
PUBLICITY

IVA: Axis II Specific Objectives

- ❑ 2.1 Contributing to the protection of the environment through the safeguarding, valorisation and monitoring of natural resources
- ❑ **2.2. Contributing to the development of renewable energy and energy efficiency**
- ❑ 2.3. Promoting joint actions in the sphere of prevention of risks resulting from both natural and human causes
- ❑ 2.4. Contributing to the strengthening of cross-border institutional partnership in the areas identified under Priority Axis II

IVA: Specific Objective 2.2

Contributing to
the development of
renewable energy and
energy efficiency

IVA: Objective 2.2 Indicative Actions

- ❑ Actions for the development of energy supply systems from renewable sources
- ❑ Integrated actions for the implementation of intervention of energy saving and efficiency for buildings and the street lighting network
- ❑ Actions for the adjustment of the distribution networks, through specific technical solutions to enable the supply and distribution of energy from renewable sources

IVA: Obj 2.2 Indicative Actions (Cont.)

- Development of joint demonstration initiatives of public awareness for the dissemination of energy-saving practices
- Development of an Italian-Maltese Research centre for the transfer of solutions to increase the eco-efficiency of the local productive systems and the diffusion of eco-sustainable practices in the energetic field and the diffusion of energy-saving practices among the citizens

IVA: Beneficiaries Axis II

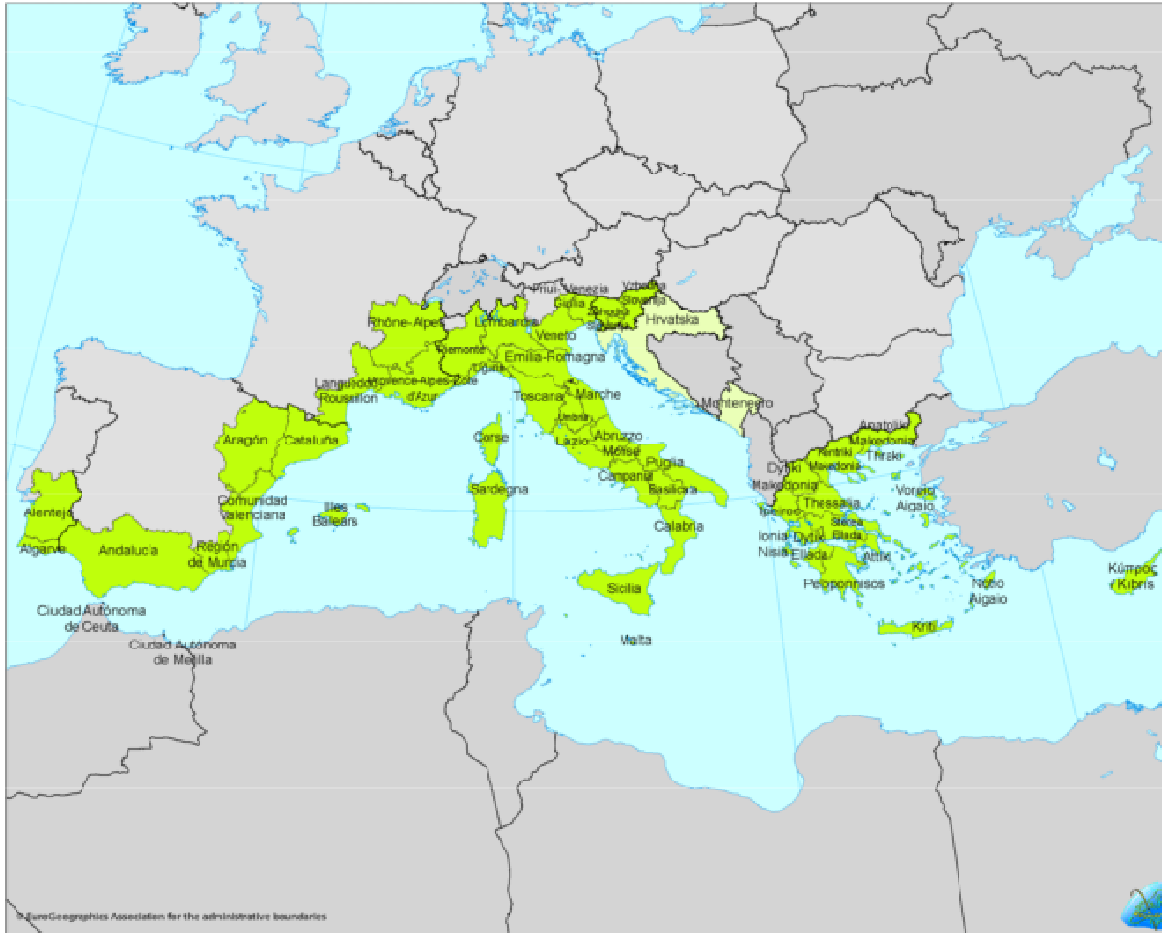
- ❑ Central and Local Public Administrations and Bodies
- ❑ Universities and Centres and Research Consortia
- ❑ Management entities of protected areas
- ❑ Airport and Maritime Authorities
- ❑ Consortia and Local Development agencies

6. Interreg IVB - MED



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- EU27 Cooperation areas
- Other cooperation areas

IVB: Priority Axes

- ❑ PRIORITY AXIS I : Strengthening innovation capacities
- ❑ PRIORITY AXIS II : Protection of the environment and promotion of a sustainable territorial development
- ❑ PRIORITY AXIS III : Improvement of mobility and territorial accessibility
- ❑ PRIORITY AXIS IV : Promotion of a polycentric and integrated development of the Med space

IVB: PRIORITY AXIS 2

- ❑ OBJECTIVE 2.1. : Protection and enhancement of natural resources and Heritage
- ❑ **OBJECTIVE 2.2. : Promotion of renewable energies and improvement of energy efficiency**
- ❑ OBJECTIVE 2.3. : Maritime risks prevention and strengthening of maritime Safety
- ❑ OBJECTIVE 2.4. Prevention and fight against natural risks

IVB: OBJECTIVE 2.2.

Promotion of renewable energies and
improvement of energy efficiency

IVB: Objective 2.2. Possible Actions

- ❑ Promoting transnational networks for capitalisation, development and transfer of innovative technologies for the production and use of renewable energy (solar, wind power including offshore, biomass, geothermal ...)
- ❑ Creation and dissemination of innovative materials and production processes amongst public actors and businesses that allow to reduce energy consumption.
- ❑ Using results of research and promoting pilot projects to develop processes improving energy efficiency and reducing energy consumption.

IVB: Objective 2.2. Possible Actions (Cont.)

- Innovations in the field of standards (construction, housing, transport...) ; supporting the harmonisation of standards and the respect of international directives in terms of energy saving, efficiency and consumption.
- Disseminating information and raising awareness of the civil society with regards to the use of innovative technologies in the field of energy.

IVB: Beneficiaries Objective 2.2.

- ❑ Local authorities , municipal cooperation structures
- ❑ Regional authorities
- ❑ State services in charge of the sector concerned
- ❑ agencies and institutes specialised in energy management and renewable energy
- ❑ control and certification organisms
- ❑ Enterprises and groups of enterprises specialised in renewable energy
- ❑ enterprises with high level of energy consumption
- ❑ Financial institutions
- ❑ development agencies

7. Interreg IVC OP

Contributing to the
European Commission Initiative
"Regions for Economic Change"

IVC: Eligible Areas

All EU member states,
Norway and Switzerland

IVC: Thematic Priority Axes

- Priority 1: Innovation and the knowledge economy
- Priority 2: Environment and risk prevention

IVC: Priority 1 Sub-Themes

- innovation, research and technology development
- entrepreneurship and SME's
- the information society
- employment, human capital and education

IVC: Priority 2 Sub-Themes

- natural and technological risks
- water management
- waste prevention and management
- biodiversity and preservation of natural heritage
- **energy and sustainable transport**
- cultural heritage and landscape

IVC: Priority 2 Beneficiaries

- ❑ Regional and local public authorities
- ❑ Nature protection institutions
- ❑ Emergency services and other risk management bodies
- ❑ Public transport authorities
- ❑ Authorities responsible for protecting cultural heritage and landscapes
- ❑ Authorities in the field of tourism
- ❑ Universities, knowledge and research institutes and institutes for higher education
- ❑ Other public authorities or bodies governed by public law demonstrating relevance in the field of environment and risk prevention.

8. European Neighbourhood Policy Instrument

- Replaces various geographical programmes including:
 - TACIS (for our eastern neighbours and Russia)
 - MEDA (for our southern Mediterranean neighbours)
 - Thematic programmes such as EIDHR (European Initiative for Democracy and Human Rights)

ENPI (Cont...)

- ❑ Flexible, policy-driven instrument
- ❑ Designed to target sustainable development and approximation to EU policies and standards
- ❑ Supports the agreed priorities in the ENP Action Plans
- ❑ Supports cross-border contacts and co-operation between local and regional actors and civil society
- ❑ 15 ENPI cross-border cooperation (CBC) programmes, identified on the external borders of the EU

ENPI (Cont...)

- Through ENPI, the commission will work with neighbourhood partners to:
 - improve energy efficiency
 - examine the scope for developing a green energy market
 - expand partners' capacity to produce solar, wind and sustainable biomass energy sources

ENPI (Cont...)

- Furthermore, the Commission will:
 - deepen its *climate change* dialogue, including in relation to adaptation
 - provide technical assistance to build capacity on climate change policies
 - promote the Kyoto mechanisms,¹⁰ which have significant potential to attract foreign direct investment
 - foster development of cleaner technologies

9. 7th Framework Programme (FP7)

- ❑ 7 th Framework Program (7th FP) for Research and Technological Development
- ❑ Energy-related sub-programmes e.g CONCERTO
- ❑ Collaborative projects with a predominant demonstration component
- ❑ Due to their research nature, projects should focus on research excellence, systems innovation and data provision

FP7: CONCERTO

- Part of the call for proposals of COOPERATION programme, Theme 5, ENERGY (Activities Energy 2.8, 4.4 and 8.4)
- Call identifier: FP7-ENERGY-2008-TREN-1 and the work program of FP7
- Supports the development of technologies for
 - renewable energy sources (Bioenergy, wind, small hydro, geothermal, solar)
 - energy efficiency sectors (eco-buildings)
- Focus on systems integration:
 - combine demonstration of energy efficient technologies in buildings supplied by renewable energy sources
 - integrating energy demand with supply, in an economic perspective

10. Other Sources

- ❑ European Regional Development Fund (ERDF) 2007-2013
- ❑ Calls by the Planning and Priorities Coordination Division (PPCD) within the OPM
- ❑ Separate calls for project proposals will be launched shortly under Operational Programme I: 'Investing in Competitiveness for a Better Quality of Life'

Other Sources (Cont...)

- Priority Axis 4: Upgrading Services of General Economic Interest
- Focus area: Energy - call restricted to interventions regarding energy efficiency and renewable energy sources in infrastructure in Gozo (total financial threshold: EUR 5 million)

Other Sources (Cont...)

- ❑ MEPA-operated funding for local council projects
- ❑ The planning authority has signed an agreement with a number of councils to fund 13 projects in the localities
- ❑ Over €500,000 made available the Urban Improvement Fund (UIF) scheme, which is operated by the Malta Environment and Planning Authority
- ❑ The urban improvement projects include new energy-saving and anti-pollution street lighting in Gozo
- ❑ Another scheme issued by the Department of Local Councils

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