EUROPEAN ENERGY AWARD: PILOT IMPLEMENTATION IN GREEK ISLAND CoM SIGNATORIES

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AEGEAN ENERGY AND ENVIRONMENT AGENCY
Aegean Energy and Environment Agency (AEGEA)

- Non-profit entity founded in 2008 – Scientific and strategic advisor of Network of Sustainable Greek Islands DAFNI
- Providing technical support and capacity building to island municipalities and regions
- Encouraging local authorities and citizens to participate in relevant investments through new investment schemes and/or cooperatives
- Raising awareness to enhance citizens' participation in the energy transition
- Participating in consortia under EU programmes and funds (H2020, Interreg, ERASMUS+ LIFE+, ELENA etc.) and other initiatives with DAFNI members as direct beneficiaries
- Organizing conferences, workshops and informational events
European Energy Award (EEA)

A Quality Management and Certification Programme for Local Sustainable Energy and Climate Policy

EEA deals with energy and climate policy as a process

It offers a strong and sound basis for decision in order to plan and monitor local climate policy
EEA: a tool for CoM implementation

STEP 1: Signature of the Covenant of Mayors for Climate and Energy
- Creation of adequate administrative structures
- CO2 Baseline Emissions Inventory & Climate Change Risks and Vulnerability Assessment
- SECAP development with stakeholders

STEP 2: Submission of your Sustainable Energy and Climate Action Plan (SECAP)
- Defining short, mid and long term goals
- Monitoring & Reporting

STEP 3: Submission of your monitoring report
- Offering citizens high quality of life in sustainable, climate-resilient and vibrant cities
- Implementation of SECAP Monitoring & Reporting

Initial Energy Review
- Political decision
- Energy Team

Awarding
- Certification

Defining short, mid and long term goals
- Development of Energy Policy Programme with stakeholders

Implementation of the Energy Policy Programme
- Monitoring & Reporting

Evaluation & feedback
EEA Municipalities

- Ordinary member countries with national programmes
- Pilot countries: Ukraine, Romania
- IMPLEMENT pilot countries: Belgium, Greece, Poland, Croatia
1. Initial Energy Review

Measures within the municipality’s scope of action already implemented

Areas still providing potential for improvement

Initial Energy Review

Municipality’s individual profile - SWOT analysis
2. Initial Energy Policy Programme

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<tr>
<th>No.</th>
<th>measure</th>
<th>description of activity</th>
<th>addition eea-points</th>
<th>realisation lead</th>
<th>termination</th>
<th>priority</th>
<th>single costs</th>
<th>annual costs (internal/external)</th>
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Development, Regional planning
1.1 Concepts, Strategy
1.1.1 Climate strategy at municipality level, energy perspectives
3. Project Implementation

The activities defined in the Energy Policy Programme are implemented by policymakers, the administration and private individuals - the eea-consultant helps to identify the most suitable measures.

Positive effects of implementing the energy policy programme:

- **Local businesses** will benefit (e.g. renovation of buildings, investments in infrastructure, build up renewables, public private partnerships, funding programs)
- **Cost savings** through energy efficiency
- **Higher awareness** on energy- and climate related topics
- **Reduction of CO2-emissions** (high quality of life)
4. Certification and Awarding

Gold - Certification
Accreditation for outstanding work
Role-models on national and international scale

Certification
Accreditation for the successful implementation of measures

Participation
First steps
Where are we right now? How can we improve?

- More than 50% of points
- 75% of points
- Less than 50% of reachable points
IMPLEMENT project

Project ID

- **Horizon 2020 programme**
- 48 months
- **30 pilot Municipalities:** Belgium, Greece, Poland, Croatia
- 300 energy – team members in participating municipalities
- 5 newly set up EEA offices
- **30 Energy Policy Programmes**
- Implementation of **clean energy and resilient to climate change** measures

Objectives

- Roll out the European Energy Award quality management system and certification scheme in four EU member states
- Capacity Building: empower municipalities to implement **climate strategies** based on integrated energy and climate plans
- Measureable energy, CO2 and costs savings as well as **increasing production and consumption of renewable energy** in 30 pilot municipalities
- Certification of municipalities ensuring quality standards and positive recognition
The 6 Greek Pilot Municipalities (1)

**Municipality of Amorgos**
- 1,973 inhabitants
- Pact of Islands signatory
- CE4EU1 island
- short – staffed local authority
- funding for energy retrofitting, desalination & waste water treatment units

**Municipality of Chios**
- 51,390 inhabitants
- Covenant of Mayors signatory
- Chios city: urban centre
- completed and ongoing projects on waste heat recovery, RES, energy efficiency, waste management

**Municipality of Kos**
- 33,388 inhabitants
- Pact of Islands & Covenant of Mayors signatory
- 4th Greek tourist destination
- island of bike
- projects on energy efficient street lighting, SUMP, energy retrofitting
The 6 Greek Pilot Municipalities (2)

**Municipality of Milos**
- 4,977 inhabitants
- Pact of Islands signatory
- Covenant of Mayors signatory
- Tourism: important economic pillar
- High geothermal potential
- Projects on urban planning, desalination, RES, SUMP, wastewater treatment

**Municipality of Mykonos**
- 10,134 inhabitants
- Pact of Islands signatory
- Covenant of Mayors signatory
- Tourism industry expansion
- Port enlargement, desalination, urban planning, landfill, wastewater treatment, mobility – EV, desalination

**Municipality of Thira**
- 15,550 inhabitants
- Pact of Islands signatory
- Tourism industry expansion
- Funding for wastewater treatment
- Projects on energy efficient street lighting, mobility, desalination, energy retrofitting, hiking tourism
The 6 Greek Pilot Municipalities (3)

- December 2019 • Finalizing the Initial Energy Review
- February 2020 • Developing the Initial Energy Policy Programme
- December 2021 • Implementing activities defined under the Initial Energy Policy Programme and progress review
- 2022 • Certification and awarding ceremony
Join the EEA network and become a frontrunner

3 additional municipalities per participating region enrolling in the EEA by the end of IMPLEMENT project
Thank you

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AEGEA: www.aegean-energy.gr/en

IMPLEMENT: www.european-energy-award.org/eu-project-implement