SMILEGOV
Islands fostering multi-level governance for sustainable energy planning

Kostas Komninos, SmileGov Coordinator
DAFNI – Network of Sustainable Aegean and Ionian Islands
The DAFNI network

- DAFNI is a network of island local authorities both local (33) and regional (2)
- DAFNI is a Non Profit Organisation
- DAFNI has 33 Municipal and 2 Regional members
- DAFNI promotes sustainable development in Greek islands through integrated actions in the fields of energy, environment and culture
- DAFNI is founding member of the Pact of Islands initiative promoting local sustainable energy planning in European islands
- DAFNI is member of ISLENET, a European network of island organisations promoting projects on sustainability
SMILEGOV

Enhancing effective implementation of sustainable energy action plans in European islands through reinforcement of smart multilevel governance
Pact of Islands – The starting point

- Initiative launched in 2011 under the ISLE-PACT project co-funded by DG-ENERGY
- Local sustainable energy planning focusing on the islands’ special characteristics
- In liaison with Covenant of Mayors
- Several bankable sustainable energy projects
- However, inefficient or inexistent collaboration among authorities, citizens and stakeholders raise barriers in realising the projects
- Need for enhanced MLG

74 islands from:
- Cyprus
- Denmark
- Estonia
- Greece
- Italy
- Malta
- Spain
- Sweden
- Portugal
- United Kingdom
Why Islands and Why MLG?

- Islands in Europe but also globally are frontrunners in the fight against climate change. Along with coastal areas are the most impacted ones.

- Islands are rich in renewable energy resources, with significant potential to increase energy efficiency in their local infrastructure and the need to shift to sustainable mobility.

- Islands and especially non interconnected ones to mainland have high energy production costs.

- Islands are not only for islanders but for visitors too – Seasonality results to significant environmental pressures on the islands – Sustainable tourism.

- Islands have a strong tradition in cooperation and experience sharing and can benefit by investing in their human and cultural capital to overcome these barriers.

- Islands are living labs of different governance structures.
Different governance structures

- **Samso – Denmark**
  - Region
  - Municipality

- **Oland – Sweden**
  - County
  - Region
  - Municipality

- **Canary Islands**
  - Regional Government
  - Province
  - Cabildo
  - Municipalities

- **Malta**
  - National Government
  - Municipalities
  - Communities
The dual interpretation of MLG

**Multi-Level Governance**

- EU level
- National level
- Regional level
- Local level

**Multi-Lateral Governance**

- Local Stakeholders
- Financing Institutions
- Academia
- NGOs

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2015 CoopEnergy Conference
3 December 2015
Capacity development – The structure

1. **Capacity development among islands**
   a. From advanced to learning partners – **Plenary workshops**
   b. Among advanced partners – **Territorial workshops**
   c. Among partners – **Field trips**
   d. From cluster leaders to the members – **Local workshops**
   e. For new comers – **E-learning**

2. **Elaboration of sustainable energy projects**
Island clusters

✓ **12** clusters with **163** members in total others more and others less experienced

✓ **312** trainees to join the activities

✓ **58** projects to work with
Capacity development – The tools
Good practices on enabling conditions for good MLG

1. Boosta Project
Öland, Sweden

2. Electrical Vehicles
Samsø, Denmark

3. Swimming pool heating
Syros, Greece

4. Wind – pumped Hydro power station
El Hierro, Spain

5. Integrated mobility master plan
Nicosia, Cyprus

6. Biogas as transport fuel
Gotland, Sweden

7. Community Energy Scotland
Scotland, UK
Capacity development – The tools
Good practices on enabling conditions for good MLG

Title
Municipal swimming pool heating with rejected power plant heat in Syros islands

Theme of Collaboration
Project development coordination & Funding scheme

Contact person
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Partners involved
- Municipality of Syros – Ermoupolis
- Public Power Corporation S. A.
- Hellenic Electricity Distribution Network Operator (HEDNO)
- Region of South Aegean
- “The Green Fund” (Ministry of Environment, Energy and Climate Change)

Cluster of Greece
Syros Island
Capacity development – The tools
Good practices on enabling conditions for good MLG

Results related to MLG processes

- Involvement of local authority personnel in project working groups
- Beneficial project for all the involved parties
- Pre-feasibility studies were early enough carried out
- Regional level setting the project in high priority
- Small investments taken over by involved parties

Lessons learnt on MLG processes

- Local specialists have more interest about projects affecting their lives
- Highlight win-win conditions
- Commitment of involved parties assists financing support
Capacity development – The tools
Strategic Guidelines for facilitating the implementation of sustainable energy projects

Solutions for enhanced MLG
- to overcome barriers in different priority areas
- to overcome barriers in different timeframes

Solutions for enhanced project development
- Logical Framework Approach
- Problem tree and solving tree
- Critical chain project management

Identified Priority Areas
Analysed Sustainable Energy Projects
Analysed iSEAPs

Establishing new MLG collaborations
Moving iSEAPs forward
Moving Sustainable Energy Projects

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Capacity development – The tools
Toolbox to support project development

1. Guide on Overcoming MLG Barriers
2. Guide on Innovative Financing Mechanisms
3. Guide on Stakeholders’ Analysis
4. Project Bankability Analysis spreadsheet template
Capacity development – The tools
E-learning platform

http://www.energyacademy2020.eu
Capacity development – The activities
The plenary workshops

4 workshops focusing on:

1. Set up the common priority areas where MLG should be reinforced
2. Learned about step by step project development
3. Learned about stakeholders involvement in sustainable energy planning and implementation
4. Learned about innovative financing mechanisms for the elaboration of sustainable energy projects
Capacity development – The activities
The local workshops
Capacity development – The activities
The field trips
The sustainable energy project elaboration

- Evaluation of technical and financial studies
- Regular contacts with all actors involved in a step-by-step basis until a common understanding of the project is reached
- Examination of financing tools available
- Stakeholders analysis

The U-curve project development concept

The straightforward desired project development process

The actual back and forth U-curve project development process
Results – Impact
The SMILEGOV in numbers

✓ 12 island clusters have been established
✓ 163 island authorities have joined the clusters
✓ 57 islands have joined the Pact of Islands
✓ 312 persons have been trained in the Energy Academy 2020
✓ 55 sustainable energy projects taken steps towards implementation
✓ 15 island Sustainable Energy Action Plans have been developed
✓ 105 M€ of cumulative investments will be realised
✓ 2807 GWh of primary energy will be saved
✓ 998 GWh of renewable energy will be produced
✓ 1087 ktCO2/year of greenhouse gas emissions will be reduced annually
THANK YOU

For more information

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Visit our European Sustainable Islands Website

http://www.sustainableislands.eu