



EU SUSTAINABLE ENERGY WEEK24-28 JUNE 2013





27 June 2013

Energy





LOCAL LEADERSHIP IN

SUSTAINABLE ENERGY

SEAP Development and Delivery - The eReNet Approach & Tools Available













Outline

- Overview;
- eReNet Vision;
- Adopted Approach;
- Engagement & Training of Local Actors;
- eReNet Tool for SEAPs' Development;
- Web Application;
- Expected Results;
- Conclusions.







Overview (1/2)

- Rural Web Energy Learning Network for Action (eReNet);
- Under the Intelligent Energy for Europe Programme, managed by the Executive Agency for Competitiveness and Innovation;



- Duration of Action: 21/06/2011 20/12/2013;
- Coordinator: National Technical University of Athens (NTUA);



Website:

http://erenet.epu.ntua.gr

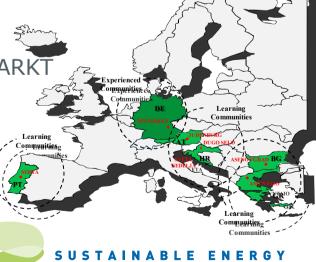






Overview (2/2)

- National Technical University of Athens NTUA (Greece);
- Energy Agency Upper Styria EAO (Austria);
- North-West Croatia Regional Energy Agency REGEA (Croatia);
- Black Sea Energy Research Center BSERC (Bulgaria);
- IrRADIARE, Ltd IrRADIARE (Portugal);
- Municipality of Amyntaio AMYNTAIO (Greece);
- Town of Neumarkt (in the upper Palatinate) NEUMARKT (Germany);
- Asenovgrad Municipality ASENOVGRAD (Bulgaria);
- Municipality of Judenburg JUDENBURG (Austria);
- Sertã City Council CM SERTÃ (Portugal).



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eReNet Vision (1/2)

Rural Communities



Energy Sustainable
Rural Communities

- Inhabited by a large amount of Europe's population, while covering 90% of Europe's land surface;
- Generate 45% of gross added value in EU-27 and 53% of the employment;
- Possess a vast potential for the realization of Renewable Energy & Rational Use of Energy (RES/RUE) activities;
- Fewer rural regions' adhesion to the Covenant of Mayors (CoM) initiative;
- Face particular challenges as regards growth, jobs and sustainability, situation that is being aggravated by the financial and economic crisis.







eReNet Vision (2/2)

- Support CoM and rural communities' Sustainable Energy Action Plans (SEAPs) through knowledge transfer and capacity building;
- Socialize the existing tools and methodologies for SEAPs' development and monitoring;
- Promotion of RES/RUE activities in rural areas by supporting promising initiatives to be included under structural funds;
- Linking energy actors at local and EU level;
- Creation of rural learning municipalities on sustainable energy.







Adopted Approach

 SEAP development and Training Web tools EU Training workshop Broad Dissemination activities Training seminars **National** • Training materials (e.g. guides) Dissemination activities Synergies' promotion with local Local authorities Dissemination activities

Levels of
Tutoring &
Networking
Local
Authorities







Engagement & Training of Local Actors (1/3)

Training Workshops



- Capacity building of the related actors via interaction and participatory processes.
- Knowledge transfer from other rural communities in the country (e.g. panel discussion, field visits) is essential ⇒
 Added value to local actions and the importance of local problems in the rural communities.







Engagement & Training of Local Actors (2/3)

Public Consultation Meetings

- The local authorities and stakeholders can co-create the energy vision for the territory and the ways for its implementation, and invest financial and human resources towards this direction;
- The stakeholders' lack of contribution is an important barrier. New approaches on triggering their interest should be adopted;
- Emphasis on the need for targeted interventions in the agricultural sector.









Engagement & Training of Local Actors (3/3)

Training Seminars & Material

Diffuse the idea and modus operandi of the SEAPs in other communities with similar characteristics, assuring thus the wider impact of the results;

Information Days

Advice on planning and funding, as well as local and regional energy companies and local investors in order to attract investors and obtain finance for RES/RUE projects.











eReNet Tool for SEAPs' Development (1/5)

Key Parameters for Rural Communities

- Increased energy consumption in the Agricultural/Fishery/Forestry sector;
- Less significant role of industry and the usually small contribution of public transport;
- Heavier reliance on private transportation;
- Smaller number of engaged stakeholders, which allows for a different decision making process;
- Different options available for RES/RUE technologies;
- The rural communities are not served by good infrastructure, such as lack of grids (e.g. natural gas), older and less efficient buildings.







eReNet Tool for SEAPs' Development (2/5)

Customized Methodology

- Based on the Covenant of Mayors (CoM) guidelines and the available SEAP methodologies and tools developed in the past, customized to the rural communities' characteristics;
- Separate study of the energy consumption and the proposition of targeted actions/ measures within the framework of the SEAP;
- The relevant consumptions are included in the related sectors (Tertiary, Transport) of the submitted Baseline Emissions Inventory Table, according to the CoM guidelines.

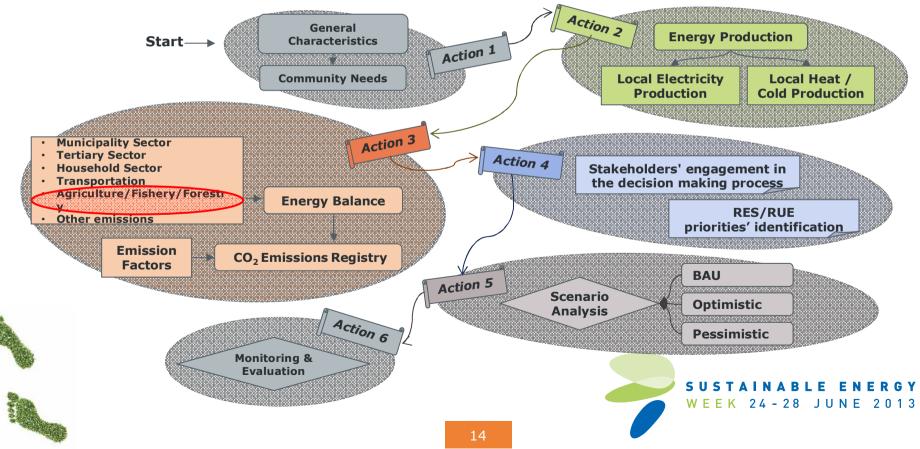






eReNet Tool for SEAPs' Development (3/5)

General Philosophy

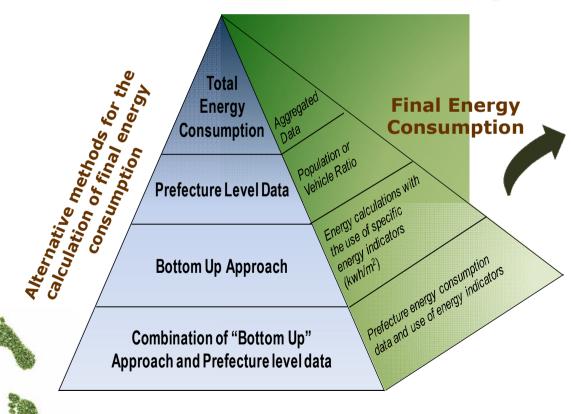






eReNet Tool for SEAPs' Development (4/5)

Baseline Emission Inventory



Emission Baseline Inventory



- Main approaches for data entry in Greece, Austria, Croatia, Bulgaria, Portugal and Germany;
- Consortium experience.







eReNet Tool for SEAPs' Development (5/5)

Offering

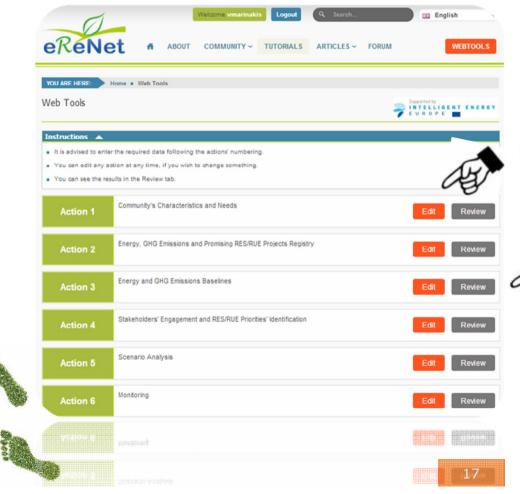
- Free for use for all registered users;
- Facilitation of the required procedures for the development and monitoring of a SEAP;
- Available in 6 languages (En, Gr, Hr, De, Pt, Bg);
- Guides the user through all SEAP development steps, one by one.







Web Application (1/3)



Available at:

http://erenet-tools.epu.ntua.gr

Editing the necessary community data

Reviewing the results obtained from the inserted data

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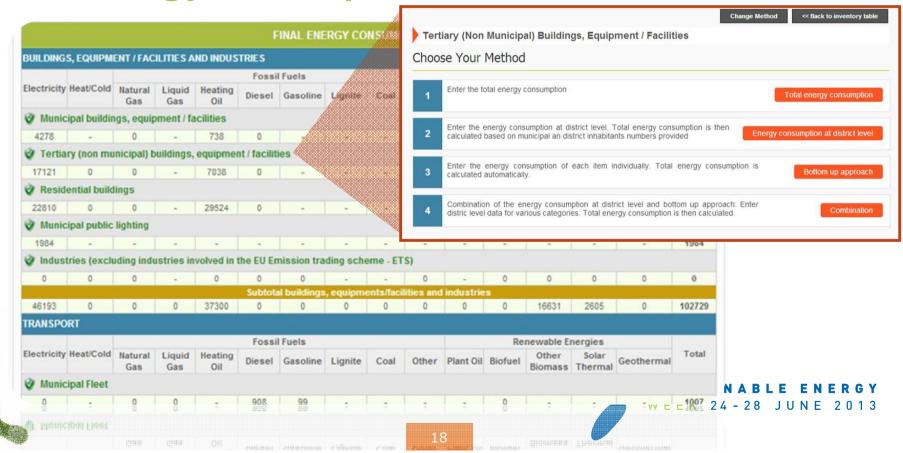




Web Application (2/3)

Final Energy Consumption

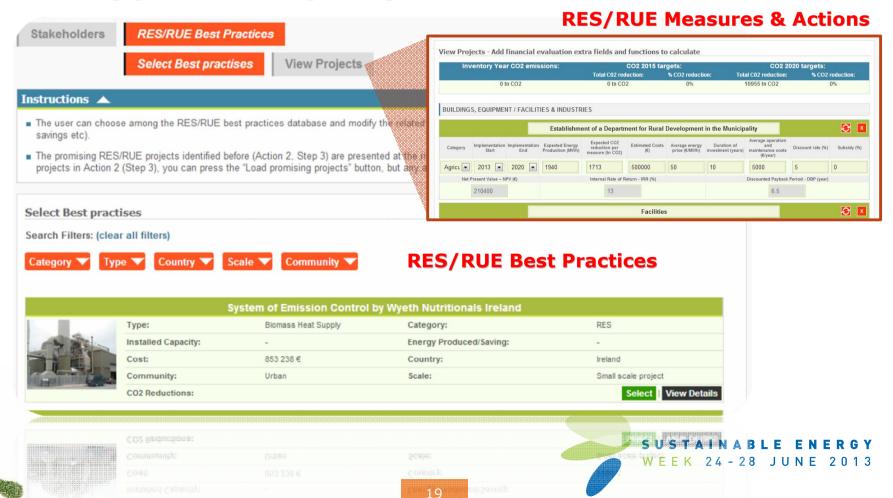
Alternatives Methods







Web Application (3/3)

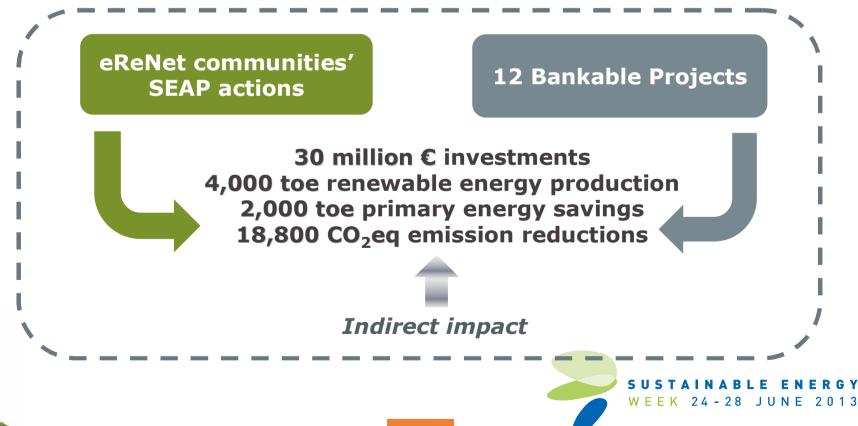






Expected Results (1/2)

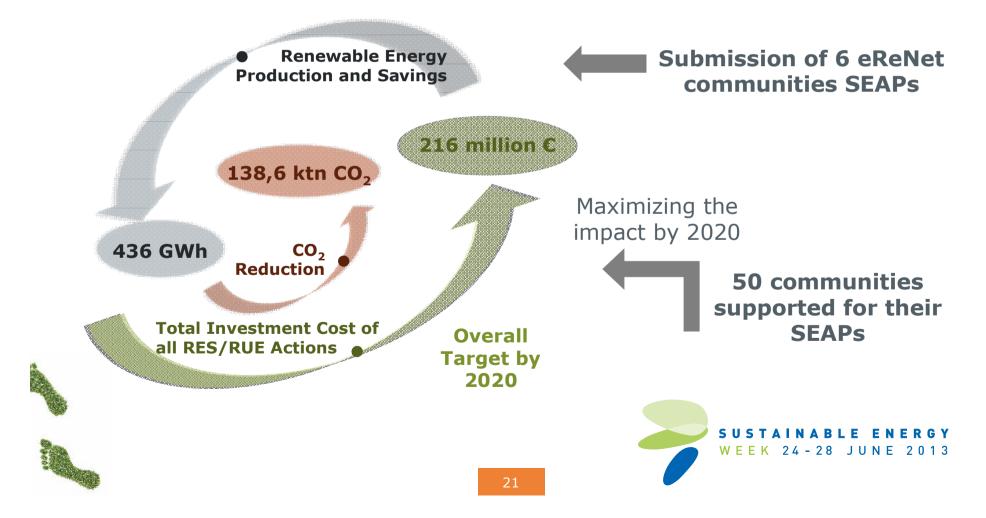
Target within the project duration







Expected Results (2/2)







Conclusions

Sustainability

The Result

Our Offering

Customized methodology & web tools

Efficient support of local authorities

(Training, SEAP elaboration, Bankable Projects)

Dissemination, Training

(info days, dissemination activities, integrated web platform)







Thank you for your attention!

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Visit us at: http://erenet.epu.ntua.gr

Web tools available at:

http://erenet-tools.epu.ntua.gr



