

## RES & RUE Stimulation in Mountainous-Agricultural Communities, towards Sustainable Development

### Project Description

The mountainous – agricultural communities can benefit from the use of Renewable Energy Sources based on their high potential, as well as the penetration of Rational Use of Energy, taking into consideration the increased heat and electricity consumption, as an inevitable outcome of the economical development. In the above context, the project aims at the RES and RUE stimulation of four mountainous – agricultural local communities of the European Union, namely Karditsa (Greece), Regional park of the mountains of Ardeche (France), Murtal (Austria), Rouge Municipality (Estonia), in a way that will ensure both the integrated and balanced evolution in the most common dimensions (economic – employment, environmental, social and technological) of the Sustainable Development.

### Project Outputs so far

- Overview of the mountainous – agricultural communities in EU (Karditsa, Murtal, Regional Park of the mountains of Ardeche, Rouge Municipality).
- Brief description of the RES and RUE applications and technologies, technology suitability assessment for their implementation and identification of the technologies' impact in the Sustainable Development's dimensions.
- Identification of the needs and prospects for proceeding from a “technological potential” to a “market potential” through a detailed analysis of each community's sector, with emphasis on the energy sector and the existing RES and RUE infrastructure.
- Synopsis of the benefits from the implementation of RES and RUE projects and the impacts of specific RES and RUE projects in the four mountainous – agricultural communities.
- Completion of the Guidelines for Communities' Energy Sustainable Development, special emphasis being placed on the development of a regional Action Plan according to the Basic Steps in the table below.
- Identification of promising RES and RUE ideas in these mountainous – agricultural communities in EU.
- Registry of the regional networks among the local key stakeholders in the 4 communities, and creation of the first European Mountainous and Agricultural Community Network. Cooperation with other mountainous networks such as EUROMONTANA.
- Development of proposals regarding the establishment of an energy network.

#### Establishment of an Action Plan

Step 1: Establish the Management Team	<ul style="list-style-type: none"> <li>• A Steering Committee (SC), in charge of the development, monitoring and assessment of the SEAP</li> <li>• A working group, responsible for the provision of tools for the planning process;</li> </ul>	Step 5: Detailed Data Collection	<ul style="list-style-type: none"> <li>• Detailed data gathering on each target set</li> <li>• Specification of each technologies' potential</li> </ul>
Step 2: Vision Conception	<ul style="list-style-type: none"> <li>• Indicate community goals in 5, 10 or 20 years from now;</li> <li>• Initiation of a public dialogue process</li> </ul>	Step 6: Developing the Action Plan	<ul style="list-style-type: none"> <li>• Specification of programs implemented, timeschedules, owners and beneficiaries, cost estimation, investor identification</li> </ul>
Step 3: Preliminary Energy Inventory	<ul style="list-style-type: none"> <li>• Development of the community's energy balance;</li> <li>• Estimation of future needs</li> </ul>	Step 7: Implementation of the Plan	<ul style="list-style-type: none"> <li>• Implementation of each project according to project cycle activities</li> </ul>
Step 4: Mission Quantification	<ul style="list-style-type: none"> <li>• Quantify the targets for energy savings or RES production</li> <li>• Targets have to be clear, simple and realistic</li> </ul>	Step 8: Monitoring and Evaluation of the Plan	<ul style="list-style-type: none"> <li>• Comparison of the results to the initial objectives, confrontation of potential problems or deviations</li> </ul>

*All the Project Outputs are available through the project site.*



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### NEWS and EVENTS

#### 2<sup>nd</sup> Stakeholders' Workshop, September 29<sup>th</sup>, 2009, Gospic, Croatia

The Mountain RES & RUE project organizes the 2nd stakeholders' workshop, bringing together local stakeholders of Croatian mountainous communities (ESCO representatives, Business Associations, Local Administration etc) and experts from other EU mountainous and agricultural communities. Basic aims of the workshop are the dissemination of project results and the exchange of knowledge and experiences via interaction and participatory processes. Consequently, the workshop organizers place special emphasis on the establishment of fruitful dialogue and acquiring the stakeholders' feedback on the following issues:

- Integrated guidelines towards sustainable energy communities.
- Identified project ideas that meet each community's special needs.
- Development and participation in the first European mountainous communities' network.

Within the workshop's framework, an overview of the activities carried out in Croatian mountainous and rural areas will be realized, and active feedback exchange among the participants will take place.

The event is open to all interested local stakeholders. For more information on the event, as well as the workshop's agenda, please visit the project site, or contact Mrs. Papadopoulou ([alexpapa@epu.ntua.gr](mailto:alexpapa@epu.ntua.gr)) or Mrs. Kojakovic ([akojakovic@eihp.hr](mailto:akojakovic@eihp.hr)).

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### List of Partners

- National Technical University of Athens, Greece
- Rhônald'énergie-Environnement, France
- Syndicate Mixte de Gestion du Parc naturel regional des Monts d' Ardeche, France
- Energieagentur Obersteiermark, Austria
- Rouge energy centre - Rouge municipality, Estonia
- Sofia Energy Agency, Bulgaria
- Energy Institute Hrvoje Pozar, Croatia
- European Renewable Energy Council, Belgium
- Energy Center of West Thessaly, Greece

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