

SEE thematic Capitalisation

Thematic Pole 4. Low carbon communities

Main characteristics:		
<p>The SEE Programme approved a number of projects that shared a concrete approach towards low carbon local communities in different ways but having a common aim of making local authorities resource efficient. Energy efficiency (EE) policies at local level have received quite a strong input by the number of approved projects tackling this specific issue and by the strong involvement of relevant municipalities and stakeholders. Furthermore, renewable sources present and/or developed in the programme territory (e.g. hydropower, geothermal at low temperatures, solar) have a strong potential to provide an additional input to local policies. Projects aiming at improving the performance of local authorities in terms of energy and resource efficiency have the chance to exchange best practices, knowledge and concrete useful outputs, to strengthen the value of their outcomes.</p>		
Pole Leader:		
<p>RE-SEEties, László Hunyadi (tel. +36-1-296-1325; hunyadi@bp18.hu) – www.re-seeties.eu</p>		
Project	Key words	Main outputs and results
<p>RE-SEEties István Hunyadi hunyadi@bp18.hu www.re-seeties.eu</p>	<p>Resource efficiency Local policy development Awareness raising</p>	<p>Outputs: Integrated SEE methodological toolkit for resource efficiency with final SEE criteria for assessment, 8 RES Feasibility studies, 8 Resource consumption forecasts of cities, 8 local strategies/action plans of cities, Results: 8 RES feasibility potentials analysed and related future investments planned, 8 cities with well established basis for strategy building, 8 long-term strategic planning procedures started,</p>

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<p>EFFECT</p> <p>Iris Flacco iris.flacco@regione.abruzzo.it / ercole.cauti@gruppometron.it www.effectproject.eu</p>	<p>Energy Efficient Public Procurement Green economy Improvement of energy policy</p>	<p>Outputs:</p> <p>EE shared criteria to be integrated into next programming period public procurement procedures</p> <p>EPPP guidelines with Energy efficient criteria to be used by public authorities in the public tenders</p> <p>Memorandum of Understanding signed by policy makers committing them to incorporate EE criteria in public procurement procedures.</p> <p>Operative Plans in involved countries for qualifying and re-orienting private sector towards the production of energy efficient products and services</p> <p>Results:</p> <p>Increasing the capacities both of public and private sector to improve RES and RUE percentages, through the leverage of Energy Efficient Public Procurement.</p> <p>Increasing the demand for energy efficient product and services and supporting the change to a sustainable energy system.</p> <p>Improvement of competitiveness and promotion of balanced and sustainable economic growth in involved Countries, able to face the growing energy demand.</p>
<p>ENER SUPPLY</p> <p>Rosa Palladino rosa.palladino@comune.poten</p>	<p>Sustainable Energy Planning Public Energy Management Energy Training</p>	<p>Outputs:</p> <p>Energy Maps Energy Audits, Energy Balance, Analysis of Supply</p>

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<p>za.it / marcocaponigro@gmail.com www.ener-supply.eu</p>		<p>Training Courses Results: Improvement of Local Planning Energy Management Experiments concluded</p>
<p>M2RES Diego Santi diego.santi@enea.it www.m2res.eu</p>	<p>Marginal terrains Renewable energy sources Assistance to Public Administrations</p>	<p>Outputs: Operational Guide on “Developing Renewable Energy Sources on Marginal Terrains” Data Base concerning M2RES best practices in EU and non-EU countries 40 feasibility studies and related M2RES investments (turnover potentially ranging from 80.000.000 € to 400.000.000 €) Results: Identification of 70 SEE Municipalities potentially keen on M2RES implementations 12 new tools supporting the upgrading of renewable energy plans at the regional level Establishment of a task force acting according to a common methodology to assist M2RES plans at Municipal level</p>
<p>MILD HOME Flavia Di Noto flavia.dinoto@ven.camcom.it</p>	<p>Sustainable building Local supply chains (from building and manufacturing sectors) Improving good policy in urban zones</p>	<p>Outputs: Final guide “How to build an Eco Green Village based on MILD HOME” Report “Municipality building model for MILD HOME” complete</p>

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	(single buildings and eco-green villages)	<p>with technical and design specifications of reference, compatible with the already defined Eco-Green Village model</p> <p>Report concerning the MILD HOME supply chains and their potentiality in a MILD HOME SEE market</p> <p>MILD HOME Market Analysis report in each Municipality</p> <p>Results:</p> <p>4 pilot projects to create conditions for developing executive projects, submitted to Municipality urban committees for approval, had it approved and first Eco-Green Village based on MILD HOME started</p> <p>2 pilot executive projects of Eco-Green Village based on MILD HOME prepared and approved by Municipality urban committees</p> <p>Innovative component-products developed by local supply chains and used in MILD HOME</p>
<p>SEE HYDROPOWER</p> <p>Maximo Peviani maximo.peviani@rse-web.it www.seehydropower.eu</p>	<p>Hydropower residual potential</p> <p>Small hydropower evaluation</p> <p>Water resource management</p>	<p>Outputs:</p> <p>Definition of policies, methodologies and tools for a better water & hydropower planning and management; the establishment of common criteria for preserving water bodies; to assess strategies to improve hydropower implementation (such as SHP): SMART MINI-IDRO tool, SESAMO tool, SMART MINI-IDRO tool</p> <p>Results:</p> <p>Methods and strategies (GIS database, site public cadastre, software) to improve eco-hydropower production by means of SHP</p>

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		Reliable multi-criteria methodology to support water planning and management for hydropower production and evaluating alternatives on impacted sectors
<p>SNAP-SEE Günter Tiess guenter.tiess@unileoben.ac.at www.snapsee.eu</p>	<p>Resource efficiency – planning and management of aggregates supply Recycling of construction and demolition waste and other materials Capacity building of planning authorities and involvement of stakeholders into planning</p>	<p>Outputs: Aggregates Planning Toolbox Handbook on data and Analysis Methods, containing information and advice on data and methods useful for collecting data regarding (potential) recycling and methods of recycling</p> <p>Results: More consistent, integrated, resource efficient aggregates planning at the national/regional level leading to sustainable supply Improved aggregates supply planning process and related procedures (or at least improvements suggested) in 13 SEE countries Suggested improvements for legislation and procedures for aggregates planning at national, regional and/or local level Enhanced recycling of secondary materials</p>
<p>TRACE Niki Katsi nikikatsi@yahoo.gr</p>	<p>Support local and regional administrations Develop, uphold and advance policies and mechanisms for improving the energy efficiency in buildings</p>	<p>Outputs: 10 territorial operational plans Report on policies to be affected as a result of project activities Network of 6 Energy Investment Forums</p> <p>Results:</p>

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		Improvement of regional/local policies and strategies. Energy efficiency investments increase.
<p>WideTheSEE Piergiorgio Tittarelli p.tittarelli@provincia.teramo.it www.widethesee.eu</p>	<p>Renewable energy Solar thermal energy Policy making</p>	<p>Outputs: Domestic Hot Water (DHW) Methodological guide and Green Paper distributed to competent Policy Makers Multilingual technical and training manuals for DHW installers, content available for any kind of relative training events in the future.</p> <p>Results: Establishment of a transnational Consortium aiming at alleviating disparities in the DHW solar systems market Improve the know-how of installers and assemblers to increase the use of solar thermal plants in the partner Countries with limited penetration.</p>
<p>EnVision'2020 Katya Valkova k.valkova@sofia.bg</p>	<p><i>Energy efficiency Local energy strategy Financial support</i></p>	<p><i>It analyses the energy sector and energy resources consumption in the target cities against EU priorities as well as legislation and institutions responsible for the development and implementation of energy strategy. It identifies key technologies essential to improving the efficiency of energy resource consumption in cities. It identifies and develops innovative new financial instruments to support RES and new forms of energy in collaboration with business and financial sector representatives.</i></p>

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<p>GeoSEE Gregor Tepež gregor.tepez@kssena.velenje.eu</p>	<p><i>Geothermal energy</i> <i>Resource efficiency</i></p>	<p><i>The project focuses on the innovative approaches to realise in the short term the potential of low-enthalpy geothermal resources to produce electricity and additionally enhance that of already established RES. It will give recommendations defining the way-ahead to ensure that national and European government and economic operators can increase energy and resource efficiency through the deployment of low-temperature geothermal power. It addresses restrictions in national and European legislation that hinder the adoption of innovative and sustainable utilisation of low-temperature geothermal resources and suggest legislative solutions to facilitate and streamline permitting procedures and market adoption of low-temperature geothermal energy.</i></p>
<p>LOCSEE Jure Leben Jure.Leben@gov.si</p>	<p><i>Climate change mitigation policies</i> <i>Sharing experiences</i></p>	<p><i>It develops a systematic cross-sectoral approach for creation of low carbon policies which will contribute to the reduction of greenhouse gas emissions on the way to low carbon South East Europe. It aims at increasing know-how of public authorities and other institutions dealing with the climate change for coordinated transfer of EU climate legislation and to enhance the involvement of stakeholders in policy development.</i></p>
<p>Further projects or stakeholders contributing to the thematic pole</p>		
<p>Project: ZEROWASTE and ZEROWASTE PRO (implemented within the programme MED 2007-2013, Objective 2.1 "Protection and enhancement of natural resources and heritage") The project "Low Cost - Zero Waste Municipality" aimed at developing an integrated Zero-waste management system for Municipalities that is based on the principles of re-use, recycling and reduce of waste that ends up in landfills and dumps. (http://www.med-zerowaste.eu/index.html). ZEROWASTE is a closed project, continuing its operation under the name 'ZEROWASTE PRO' since summer, 2013.</p>		

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Key- words: *(bio) waste management, home composting, resource and energy maximization*

Main outputs and results:

Alternative waste management scheme procedures in Municipalities

Regional Policy tools on the implementation procedure of alternative waste management schemes and Interactive Decision Support Tool

Pilot application of household composting for a certain number of households in Greece, Slovenia, France and Italy, determination of environmental impact of home composting through the LCA tool in Catalonia and Spain.

Municipalities include and apply tangible waste management tools

Municipal servants, policy makers with advanced and exchanged know- how on alternative waste management.

Maximized resources and energy, reduced and re- used waste in cities

Project: RENERGY - Regional Strategies for Energy Conscious Communities (implemented within the programme INTERREG IVC, Priority 2: "Environment and risk prevention", Sub-theme: "Energy and sustainable transport") – 01/01/2012-31/12/2014

The project "RENERGY" aims to improve, by interregional cooperation, the effectiveness of regional development policies in the area of energy with a particular focus on responding to the Covenant of Mayors' requirements. INTERREG IVC projects that focus on related aspects have been studied to tap significant resources and capitalize on existing experience.

It aims to improve effectiveness of local/regional sustainable energy policies/strategies by (1) demonstrating the relevance of a holistic, integrative, bottom up process to take local community needs, demands, cultural and infrastructural characteristics into account, (2) emphasizing the crucial role of the energy business sector in RES uptake and EE management and (3) emphasizing the role of local/regional governance bodies in developing/implementing sustainable energy policies and furnish these bodies with sufficient competences, powers & knowledge. These 3 issues are the main project pillars analysed and communicated through the 3 Case Studies and the Energy Labs. Energy Labs is a completely new platform concept for local energy action ensuring continuous dialogue and cooperation between experts, producers/suppliers and end-user representing the 3 project pillars. (<http://www.renergyproject.eu>).



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Key- words: *policy making, market uptake, community involvement*

Main outputs and results:

Regions evaluation in terms of RES/EE efficiency

Present Energy labs and case study visits exchange to fill knowledge gaps & prepare & implement local/regional RES/EE implementation plans.

Implementation Plan Model editing, including policy recommendations the findings of which will be disseminated to target groups and used at regional/local level by partners while designing their regional implementation plans.