

## URBAN EMPATHY – Working Package 3

### RESULT INFORMATION FILE – Phase 1

Description of the result to be capitalized in URBAN EMPATHY

#### 1. Partner's description

*(Summary information of the partner presenting the result to be capitalized in URBAN EMPATHY)*

Name of the institution presenting the result	Regional Education and Information Centre on Sustainable Development in South East Europe
Type of institution (city, region, agency, tech institute...)	Non-profit, non-governmental
Main contact	Name: Azrudin Husika Position: president Telephone: +38733613193 Mail: a.husika@reic.org.ba

#### 2. Project description

*(Summary information of the project corresponding to the result)*

Name of the project	Energy Efficiency and Renewables – Supporting Policies in Local level for Energy
Acronym of the project	ENER SUPPLY
Starting date	April 2009
Ending date	March 2012
Project status (finished, execution...)	finished
Project type (standard, targeted, strategic, ...)	standard
Lead partner of the project	Municipality of Potenza
Project website	<a href="http://www.ener-supply.eu/en/index.php">http://www.ener-supply.eu/en/index.php</a>
Programme (MED, Interreg...)	South East Europe Transnational Cooperation Programme
Programme Priority	Priority Axis 1: Facilitation of innovation and entrepreneurship Priority Axis 2: Protection and improvement of

	the environment Priority Axis 3: Improvement of the accessibility
Programme Objective	Improvement of the territorial, economic and social integration process and contribution to cohesion, stability and competitiveness through the development of transnational partnerships and joint actions on matters of strategic importance
EU 2020 Strategy (choose the most suitable one from the following options)	<input type="checkbox"/> Smart growth <input type="checkbox"/> Inclusive growth <input checked="" type="checkbox"/> Sustainable growth <input type="checkbox"/> Economic governance

Description of the **PROJECT**. Main topic and objectives. (300 words approx.) *(Describe in more detail the project's main thematic and objectives, providing relevant information about the contents addressed in it and where does the result to be capitalized come from)*

The general aim of the ENER-SUPPLY project was to assist the local territories in becoming more capable of using renewable energy sources (RES) and implementing Energy Efficiency (EE) measures. This general aim had been achieved by the transfer of knowledge from the experienced technical partners through:

- Trainings on RES and EE (for local authorities and young professionals);
- E-learning trainings;
- support in the development of RES Maps and Feasibility Studies (FSs) on geothermal, biomass, wind and micro hydro power;
- RES handbook elaboration;
- Preparation of energy day
- Project Management
- Experimentation of the main actions of the Energy Management System (EMS) in the Public authorities with reference to the energy audits, energy balance and analysis of energy supply.

### 3. Result description

*(Summary information of the result to be capitalized in URBAN EMPATHY)*

Name of the result to be capitalized in URBAN EMPATHY	Summer Camp (Summer School) with specific methodology and contents: the guidelines for the Sustainable Energy Action Plan in Fojnica
Type of result (operational tool, recommendations, good practices, guideline, ...)	Training on local energy planning
Current status of the result (under development, completed, not started...)	completed
Type of deliverable (document, website, database, ...)	Document: The guidelines for the Sustainable Energy Action Plan in Fojnica: a result of the Summer School 2012 (based on two training programmes, RES handbook and RES Maps)
Specific URL link	
Publication date	September 2012
Language	English

Description of the chosen **RESULT** to be capitalized in URBAN EMPATHY. Result objectives. Utility and purpose. (200 words aprox.) *(Brief description of the result's most relevant characteristics, pointing out the main objectives and purpose.)*

The project result – of the ENER SUPPLY Summer Camp has been a guideline to develop a SEAP in Fojnica. The guidelines contain:

- A discussion on the local development of the area;
- The identification of 20 concrete measures to promote sustainability and the reduction of CO<sub>2</sub>
- The definition of the Baseline Emissions Inventory.

The guideline for the Sustainable Energy Action Plan is a tentative proposal for “guidelines” for a Sustainable Energy Action Plan (SEAP) in the city of Fojnica, put together for the purpose of identifying and planning its potential renewable energy and energy efficiency within the sustainable development principles. The guideline is developed within ENER SUPPLY project.

Applied approach takes into consideration all economic, social and environmental aspects, via a thorough understanding, analysis and evaluation of the current development in the town. Several actions have been studied and analyzed in order to provide a clearer and accurate overview of several aspects of renewable energy and energy efficiency, which are: hydro-power, sustainable mobility, solar energy, biomass, bio-fuels, communication tools and initiatives, etc.

The main references for the guideline are the Covenant of Mayors initiative, EU directives and national legislative frameworks on renewable energy, together with SEAPs, Energy Community and other regional and local initiatives and campaigns. Tentative calculations provided for each action, and a general conclusion summarized the findings accordingly.

List of keywords related to the result (10 words max.) *(Please provide a short list of keywords related to the result to be capitalized in Urban Empathy, e.g.: urban planning, sustainable growth, mobility, energy efficiency, renewable energies, governance...)*

Summer camp, energy efficiency, renewable energy, reduction of carbon emission, energy management, sustainable energy planning

Describe the potential benefits or improvements that the result may generate through the capitalisation process (200 words approx.) *(Describe improvements either in your result or those that it may generate due to the capitalisation process)*

There are two main results of the promotion of the Summer Camp inside the process of Capitalization:

- To reinforce the contents of the Summer Camp with future and innovative methodology, information and good examples. The Summer Camp is run each year in the Bosnian Territories and has become a reference happening in the South East Area. Every year more than 20 students from all countries practice together measures on sustainable energy planning. The introduction of new methodologies and innovative topic will improve the quality of the Summer Camp in the coming years. At the same time to territory of Fojnica and all Central Bosnian Canton that is the direct application of the exercise of the Summer Camp will benefit from the process.
- Others areas involved in Urban Empathy capitalization process can benefit from the experience and the content of the ENER SUPPLY Summer Camp, as the use of 'learning by doing' methodology on Energy Planning that is already identified and ready to be used. During the capitalization process it could be enriched with other elements from other projects it can be shared in all the Med Countries. A Mediterranean Summer or Spring Camp could be a further step.

#### 4. Result evaluation

According to your own criteria, which are the main strong points of your result? Which are the weak ones? (300 words approx.) *(Describe the strengths and weaknesses of the result to be capitalized in Urban Empathy)*

The main strong point is the application of the main topics of sustainable energy to a real concrete case in a 'learning by doing' methodology using outputs of ENER SUPPLY (RES handbook, Energy management experimentation, trainings on RES and EE, RES maps).

The sustainable energy guideline is based on the Covenant of Mayors and it has been applied through ENER SUPPLY. To have already applied the ENER SUPPLY methods give strong advantages in terms of reliability and effectiveness. Indeed the training Handbook has been already used. In addition all the comments from former students have been collected. RES Maps have been elaborated on real data for a concrete development purpose.

In addition it is important to highlight another strengthens. The process is executed by young participants coming from all the South East European Countries giving more benefits in terms of cultural exchanges and relation buildings.

##### Weak points

The guideline is based on ENER SUPPLY outputs which were made by different technical partners. Although, intention of the technical partners was to write all outputs in the way to be understandable to readers who are not very much familiar with the issues from professional point of view, some parts are difficult to read and understand. It is necessary to simplify some parts of the guideline in order to be able to include in the summer camp participants with less (or even without) technical knowledge background.

Low level of commitment of local authorities – there was co-financing of local authorities in ENER SUPPLY, therefore, there is lack of commitment of local authorities for diagnosis information, implementation of the guideline in preparation of SEAP and later implementation of concrete measures. This is consequence of low level of awareness of importance of energy issues for local development. Traditionally, energy planning has been implemented by top – down approach.

Related to the previous weak point, one more weak point of the guideline is insufficient public participation in local energy planning. This part has to be develop more, although some experience in organisation of local energy days were used.

How do you think your result can affect the main aspects to be considered in a sustainable urban model?

(300 words approx.) (Describe the capacity of the result to fulfil the sustainable urban model main principles)

*Cross - cutting aspects*

- Territorial management and urban design
- Social and Economic cohesion

*Sectorial aspects*

- Sustainable mobility
- Energy efficiency

The Guidelines in the reality affects all the four aspects.

- Territorial management and urban design

The Guidelines aim to analysis and prepare measures to implement sustainable energy action plans in territories. It is indeed a planning action therefore the guideline can be applied in different aspects of urban planning such as district heating infrastructure, mobility, design of buildings (incorporation of RES facilities in urban design).

- Social and Economic cohesion

The guideline includes the involvement of the stakeholder in decision making process at local level. There are described communication and information actions.

- Sustainable mobility:

Even though sustainable mobility was not one of the main topics of ENER SUPPLY, the guideline develops a first approach by proposing actions to improve sustainable mobility in mountainous small municipalities like Fojnica. The most relevant is the approach on how these measures have been built.

- Energy efficiency

The entire methodology before and during the Sumer Camp is based on the broader concept of the efficient use of the resources. The ENER SUPPLY Summer Camp methodology is based on the Energy Management suggestions coming from EU best practices and foreseen the application of concrete actions. Again as in sustainable mobility is important the process in which the measures are set up.



What influence do you consider that your project result could have on environmental governance and what could be its impact on urban policies? At which level? (Local, regional, national, MED or European level...) (300 words approx.) *(Describe the level of influence of the result and its applicability on EU policies)*

The implementation of energy efficiency policy in Bosnia and Herzegovina (similar situation is in the whole Western Balkan) goes very slowly. One of the main problems is unclear role of the stakeholders, especially on local level (municipal one). The guide contains guidelines for involvement of local stakeholders in implementation of energy efficiency policy from higher level.

The work represents 70% of the total SEAP. The process has been built through a direct involvement of the local actors (interviews, discussion, document collection, visits).

The Municipality of Fojnica has been informed and the document has been promoted to the Decision Maker (municipal assembly, mayor etc.). The application can improve the local performance rates. The guideline to develop a SEAP in Fojnica is base for development of official SEAP of Fojnica which is on going process (initiated by the guideline produced on the Summer Camp). The local experts engaged for development of official SEAP follow methodology and recommendations for development of local energy plan. Since the guide prefers energy efficiency measures which do not require high capital investments but better energy management and low investment measures, such measures will be priority for Fojnica municipality. Recently, in Bosnia and Herzegovina as well as in the Region of Western Balkan, the practice is to put on the first priority complex and high investment measures which are not affordable for small and relatively poor communities such as Fojnica. In this way, the guide will be basement of energy policy in Fojnica.

The Summer Camp can be replicated in other of med area regions focusing in one or a group of municipalities. The guide should be improved on that occasion to make it more general in order to be applicable in any territories (for instance, in territories with high cooling needs, flat terrain etc.).

What is the main target group the result is addressing to? (public administration, public sector, private sector, research groups, ...) How does it enhance public participation? (200 words approx.) *(Describe the target audience that could use the result and if citizen participation processes have been considered)*

The Guidelines to implement a SEAP in a specific territory (Fojnica) has been promoted to the main stakeholders: local authorities in Bosnia and Herzegovina that is municipal and cantonal administration, since they play the main role in energy efficiency in buildings and small scale renewables.

At the same time the direct application of the guidelines in an official SEAP will see the involvement of further local targets as companies, families, public authorities. The SEAP guideline includes identification and participation of stakeholders. Local authorities are responsible for involvement of stakeholders in those issues.

But in the development of the Guidelines of SEAP the main direct target have been the participants themselves coming from different parts of South East Europe, working together and develop jointly a concrete policy proposal. Their commitment will last in the long term.

In the capitalization process the main targets can be multiplied involving other municipalities and more attendees.



Is the result currently in use in the Europe/MED area? (150 words aprox.) *(Please provide further information on the usability of the result, pointing out if it has already been implemented or in use)*

The guideline is made within the Summer Camp for Fojnica municipality, therefore it is in use only in this municipality by municipal administration in the process of development the SEAP based on the Guidelines.

The guidelines is also currently used to develop new Summer Camp in the area (probably a new one will be created in Kosovo).

In addition the application of the basic initial methodology is already used by several municipalities in energy planning (see the website of ENER SUPPLY). Some territories for the Maps, some others for the audits, some others for the training who used to have more and more people registered

<http://www.cres.gr/crescampus/moodle/course/category.php?id=2>).

The RES handbook in 12 language is still now days downloaded.  
[http://ener-supply.eu/en/news\\_27.php](http://ener-supply.eu/en/news_27.php)

According to your own criteria, what are the main innovative aspects of the result? (150 words aprox.) *(Please provide further information on the level of innovation achieved by the result to be capitalized in URBAN EMPATHY: new methodologies, etc...)*

From the methodology point of view the main innovative aspect is the use of concrete examples in the most used RES (geo-thermal, micro-hydro, biomass...) and the application of experience of Energy Management in the Public Sector.

In general, such methodology usually is based on market standards (e.g. ISO 50001).

From the implementation point of view it is multicultural learning by doing process, in which the students, young professionals, have been involved in the preparation of such guidelines driven by GREEN experts. All this has strengthened the process of ownership of the result from the participants and the territory.

How do you think your result could be implemented? Through which means? Do you think it is easily transferable? Estimated costs, resources, time needed for implementation, key actors involved... Please include any other relevant criteria you may consider important (300 words aprox.) *(Please provide further information on implementation and transferability requirements of the result)*

The result can be further implemented through the reinforcement of the current application on local scale. In this way new participants will join the process as attendee but also more municipalities will join. The starting methodology and data will be the basic point to go further.

What is requested? More commitment at political level. Therefore a specific action on the so called main “bottleneck”, the availability of financial source to support Green Investment, should be carried out within the preparation activity of the Summer School. The investigation and pre-initial proposal could be developed by REIC or together with other partner. This will become a topic of the School. Another action will be the intensive effort to involve the local decision-makers.

Estimated costs of two weeks summer school is about 25.000 EUR.

Cost for the new activity – investigation on the financial source - should be around 10.000 EUR.

Key actors who should be involved are municipality authorities, Energy Community Secretariat, NGOs, business etc.

The School can be replicated in other part of the MED involved countries and REIC can provide the methodology and partnership to build a growing process in the field of peace and common effort to the sustainability.