



# LOCAL ACTION PLAN ON ENERGY POVERTY

## Sisačko-Moslavačka County-CROATIA

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PARTNERS





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## 1. Introduction

### Aim of the action plan

The aim of the local action plan is targeting the stakeholders, describing and analyzing the area. Through the process of local planning, groups of households with highest needs for energy services will be chosen and targeted. All the support needed trough or after energy advisors finish households' visits will be detailed in the plan. Project partners will define target households, advising methodology, social and other actors, local and national action partners and devices used for the support of advising activity. In determining the devices used, project partners will focus on availability of the devices, include local SME, R&D and production companies as donors, and rely on specific needs of households in the area, based on climatology, way of life and poverty status.

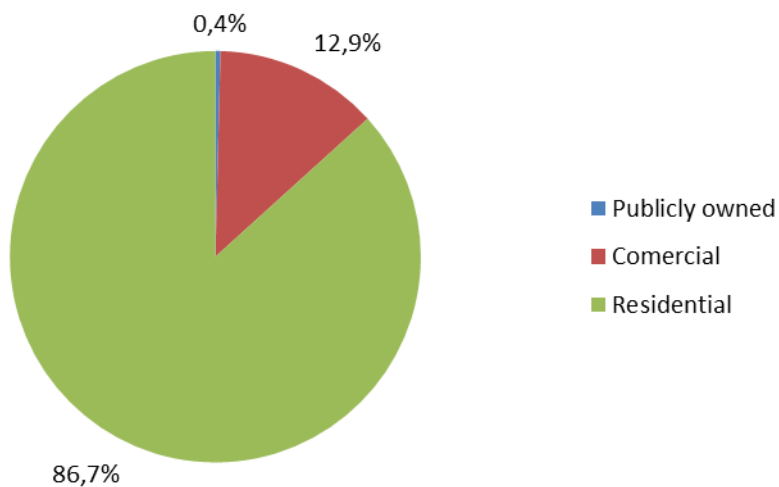
## 2. Data about the energy poverty in the region (pilot area)

### Population of the region and socio-economic parameters

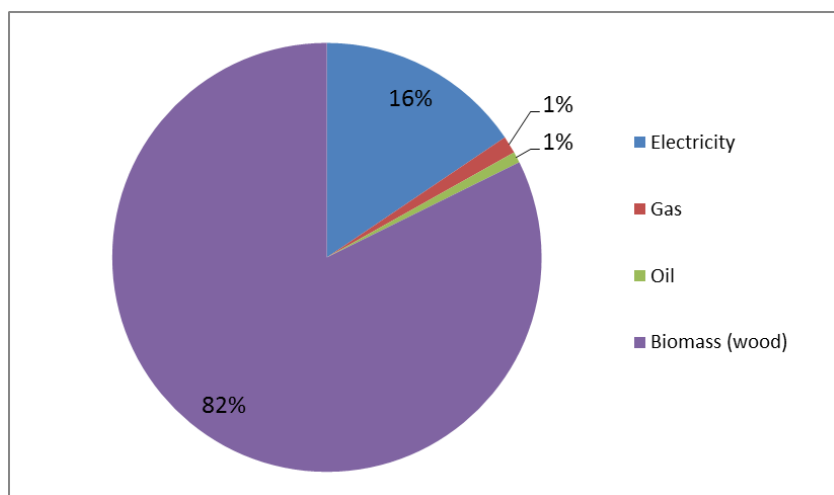
Chosen target area is Sisačko Moslavačka County (SMC), which covers 6 cities, 13 municipalities and 179.087 people. There is a continuous process of ageing of population, with high level of emigration. In the SMC there is high unemployment rate of 27,4 % with continuous growth, compared to state average of 15%.

Average personal income in SMC is 5041 HRK (670 EUR), below state average, with above 10% income being spent on energy costs. SMC is in first category of un-development in Croatia, with most of the area covered by "special state care" laws. SMC was highly developed industrial area with mainly oil and highly – polluting industries, whose development or/and working completely stopped in 2000s.

Based on data from Sustainable energy action plan for Local action group UNA (part of Sisačko Moslavačka County with 7 municipalities included) and with unavailability of other statistical data on energy consumption, following pies show average energy consumption in buildings-by type and energy consumption in households by fuel type.

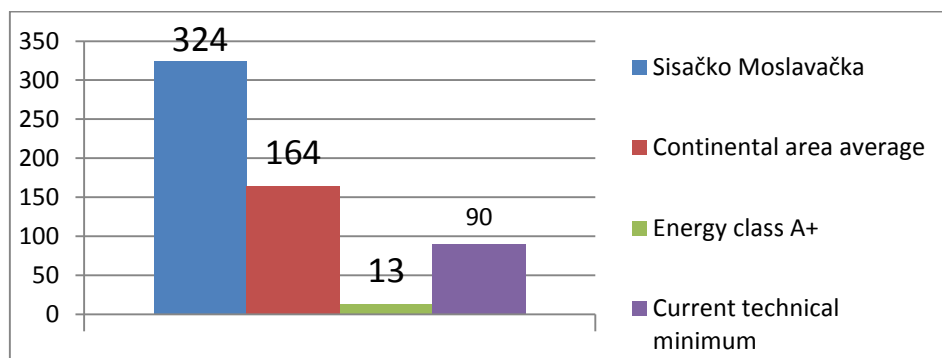


### Energy demand and the state of the building fund



Average consumption of energy in residential sector in Sisačko Moslavačka County is significantly higher than in other parts of continental area of Croatia and incomparably higher than current EU building standards.





High level of consumption of conventional biomass, low level of building quality and insulation, very low standard and high level of average unemployment are all showing high percentage of expected energy poor inhabitants.

Sisak, as the county capital, is included in programs financed by Found for environmental protection and energy efficiency Croatia in subsidizing implementation of EE and RES measures in households.



### 3. Stakeholders related to energy poverty

- Public Centres for Social Welfare
- Unions and Non-governmental organisations taking care of people with disabilities
- Churches and religious institutions
- Household-help centres
- Pensioners' Associations
- Humanitarian organisations (Caritas, Red Cross)
- Employment offices
- Larger groups of stakeholders

*Details explained and targeted in local communication plan (D4.2).*

#### **Already identified stakeholder:**

Association „Novi svijet“ (New world) Luščani:

Association "New World" Luščani (UNS) is a non-profit, non-governmental, non-political civil society organizations established 8 February 2001 in the village of Luščani near Petrinja. Their area of work is:

The elderly and people with disabilities

Children and young people

Unemployed

### 4. Target group

Given the objectives of REACH project, there are two target groups. Each target group would go through a phase of "training of trainers", where participants will learn about the ideas and the methodology of this project. The target groups are comprised of:

- Households at risk of energy poverty

- Faculties, teachers and students

Households at risk of energy poverty (Low income households from Sisačko Moslavačka County)





Households at risk of energy poverty are the main target group of this project, as within its duration 400 visits are going to be implemented. The specific aim of the visits is to analyse the energy and water consumptions, to give advice in order to achieve savings, and to provide a set of saving devices, with the aim of reducing annual costs.

Faculties, teachers and students (Faculty of electrical engineering and computing, Zagreb, contact: Prof. Željko Tomšić, pHD  
Faculty of law- Social work study centre, Zagreb: Prof. Ivana Dobrotić, pHD)

Faculties, teachers, and students are the next group to be targeted and communicated with. The purpose of the communication with them is to build partnership in execution of activities. DOOR has approached these stakeholders easily, with already gained trust from DOOR's previous actions. This stakeholder group will also ensure sustainability of the action.

## 5. Timetable for the actions

Action:	April- November	November	December	January	February
Targeting					
Communication with the stakeholders					



## 6. Action plan

<b>Action Steps</b> <i>What Will Be Done?</i>	<b>Key Tasks</b>	<b>Responsibilities</b> <i>Who Will Do It?</i>	<b>Timeline</b> <i>By When?</i> <i>(Day/Month)</i>	<b>Communications Plan</b> <i>Who is involved?</i> <i>What methods?</i> <i>How often?</i>
<b>Work package 2:</b> <b>Mapping</b>	Task 2.2. Mapping of national situation	DOOR staff (Slavica, Ivana)	<b>December/14</b> <b>+sustainability</b>	Energy Agency – communication with similar projects in Croatia (REA Sjever) Meetings with Authorities (Center for Investments in Energy sector, Ekenerg, UNDP, local stakeholders, members of local government/ national government) <b>ensuring sustainability:</b> Education Authority (Faculties involved) & Local NGOs, other stakeholders
	Task 2.3. Mapping of local situation			
	Task 2.4. Ensuring commitment of the stakeholders			
	Task 2.5. Ensuring sustainability of the pilot actions			
<b>Work package 3:</b> <b>Building capacity</b>	Task 3.1. Training of partners	DOOR staff +experts		<ul style="list-style-type: none"> <li>- <i>target teachers</i></li> <li>- <i>research curriculum links and classroom needs</i></li> <li>- <i>include practical tips on energy efficiency in faculty curriculum</i></li> <li>- <i>coordinate different teachers and students to achieve multi-sectoral approach</i></li> <li>- <i>ensure synergy between sectors</i></li> </ul> Faculty of electrical engineering and computing, Faculty of law Senior experts - contracted
	Task 3.2. Training of teachers			
	Task 3.3. Adjusting training program to local needs			
	Task 3.4. Training of energy advisers			
	Task 3.5. Post-training support			
	Task 4.1. Promotion campaign			<ul style="list-style-type: none"> <li>- <i>identify target groups</i></li> </ul>

<b>Work package 4: Empowering households</b>	Task 4.2. Organization of visits	DOOR staff +experts+ local actors		<ul style="list-style-type: none"> <li>- <i>research/develop approach and materials with reference to target audience</i></li> <li>- <i>deliver awareness programme to householders via talks, presentations, mail shots, newsletters, posters</i></li> <li>- <i>target geographical communities and communities of interest</i></li> <li>- <i>plan and resource awareness raising campaign aimed at local businesses</i></li> <li>- <i>identify and enlist support of those able to deliver campaign</i></li> <li>- <i>encourage public to ask questions about energy efficiency</i></li> <li>- <b>include businesses as donors of specific energy saving equipment</b></li> <li>- <i>involve businesses as partners</i></li> <li>- local authority economic development</li> <li>- trade organizations</li> <li>- energy suppliers</li> <li>- Energy Agency</li> <li>- Local "green" SMEs</li> </ul> <p>Local SME related to energy efficiency are officially asked to participate the project.</p>
	Task 4.3. Implementation of visits			
	Task 4.4. Monitoring & support for visits			
	Task 4.5. Providing post-visit support to the households			
<b>Work package 5: Establishing fuel poverty as policy issue</b>	Task 5.1. Fine-tuning action plans	DOOR staff +experts		<ul style="list-style-type: none"> <li>- <i>lobby Members of Parliament and other key people on specific issues</i></li> <li>- <i>offer training/awareness-raising on fuel poverty for all elected representatives</i></li> </ul> <p>Members of local government/ national government</p>
	Task 5.2. Recommendations for decision-makers			
	Task 5.3. National level policy work			
	Task 5.4. EU level policy work			
	Task 5.1. Fine-tuning action plans			
<b>Work package 6: Evaluation</b>	Task 6.1. Evaluation of visits			
	Task 6.2. Evaluation of policy work			
<b>Work package 7: Communication</b>	Task 7.1. Commun. plan	DOOR staff (PR!)+designer		<ul style="list-style-type: none"> <li>- identify target groups</li> <li>- research/develop approach and materials with reference to target audience</li> </ul>
	Task 7.2. Visual identity			
	Task 7.3. Website			
	development			
	Task 7.4. Presentation tools			
	Task 7.5. Presenting action			
	Task 7.6. Media work			
Task 7.7. Using social networks				

## Partners



Focus - Association for Sustainable Development, Slovenia

[www.focus.si](http://www.focus.si)



Society for Sustainable Development Design, Croatia

[www.door.hr](http://www.door.hr)



Energy agency of Plovdiv, Bulgaria

[www.eap-save.eu](http://www.eap-save.eu)



Macedonian Centre for Energy Efficiency, Macedonia

[www.macef.org.mk](http://www.macef.org.mk)

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