



EVENT REPORT

<p>D.T3.10.1: Workshop 1 in 2021 ENES-CE project.</p> <p>Title of Event: "Presentation of the Baseline Emission Inventory (BEI) in the Niemce Commune and the possibility of using it for energy planning", i.e. proposals for future joint investments in the Niemce Commune as part of the created citizen energy group, within the ENES-CE project.</p>	
Date & Place of Event:	20 th of July 2021, conference room at the Niemce Commune Office, 121 Lubelska street, 21-025 Niemce, Lubelskie Voivodeship, Poland.
Partner/s Involved:	PP10 Lubelskie Voivodeship and the Niemce Commune.
Relation to Project:	Meeting with stakeholders organised by a partner PP10 Lubelskie Voivodeship with the Niemce Commune.
Topics tackled and description of links to deliverables/outputs	<ul style="list-style-type: none"> - Presentation of the Baseline Emission Inventory (BEI) in the Niemce Commune and the possibility of using it for energy planning and investment activities in the Niemce Commune, considering the participation of residents and other stakeholders. - Discussion on the presented proposals for future possible projects, activities until 2030 with a perspective until 2050, identification of the needs and suggestions of interested parties of potential energy cluster partners. - Gathering the expectations and suggestions of workshop participants for: <ul style="list-style-type: none"> ➤ a plan for the consultation system with the Commune Energy Engineer, ➤ an environmental education plan to raise awareness of the possibilities of reducing low emissions and future air quality measurement methods in the Niemce Commune. - Presentation of the idea of creating an energy cluster in the Niemce Commune and the next steps within ENES-CE project. - Discussion on the vision of cooperation and gathering information that will be included in such documents as: a civil law agreement on the creation of a citizen energy group in the form of an energy cluster in the Niemce Commune in the Lubelskie Voivodeship.
Expected effects and follow-up, findings/conclusions that will contribute to	<ul style="list-style-type: none"> - Involvement of residents and other stakeholders from the Niemce Commune in planning energy investments. - Motivating participants to establish a citizen energy group in the form of an energy cluster.



<p>achieving further project results</p>	<ul style="list-style-type: none"> - Collecting proposals, opinions and information from participants interested in creating a citizen energy group in the form of an energy cluster in the Niemce Commune. 																		
<p>Type of audience reached (project target groups)</p>	<p>Numbers of reached target groups in the framework of event:</p> <table border="1"> <thead> <tr> <th>TARGET GROUP</th> <th>VALUE</th> </tr> </thead> <tbody> <tr> <td>LOCAL PUBLIC AUTHORITY</td> <td>5 (Head of the Niemce Commune, Deputy Head of the Niemce Commune, Councillors of the Niemce Commune).</td> </tr> <tr> <td>REGIONAL PUBLIC AUTHORITY</td> <td>3 (employees of the Marshal's Office of the Lubelskie Voivodeship).</td> </tr> <tr> <td>SECTORAL AGENCY</td> <td>-</td> </tr> <tr> <td>INFRASTRUCTURE AND PUBLIC SERVICE PROVIDER</td> <td>3 (representatives: Primary School in Niemce, Social Welfare Centre in Niemce, Cooperative "Alfa" in Niemce)</td> </tr> <tr> <td>INTEREST GROUPS INCLUDING NGO's</td> <td>-</td> </tr> <tr> <td>HIGHER EDUCATION AND RESEARCH</td> <td>1 (Expert - Eko precyzja)</td> </tr> <tr> <td>BUSINESS REPORT ORGANISATION</td> <td>2 (Greenhouse farm of "Leonów")</td> </tr> <tr> <td>GENERAL PUBLIC</td> <td>1 (a resident - also a commune employee. Most of the workshop participants are also residents of the Niemce Commune).</td> </tr> </tbody> </table>	TARGET GROUP	VALUE	LOCAL PUBLIC AUTHORITY	5 (Head of the Niemce Commune, Deputy Head of the Niemce Commune, Councillors of the Niemce Commune).	REGIONAL PUBLIC AUTHORITY	3 (employees of the Marshal's Office of the Lubelskie Voivodeship).	SECTORAL AGENCY	-	INFRASTRUCTURE AND PUBLIC SERVICE PROVIDER	3 (representatives: Primary School in Niemce, Social Welfare Centre in Niemce, Cooperative "Alfa" in Niemce)	INTEREST GROUPS INCLUDING NGO's	-	HIGHER EDUCATION AND RESEARCH	1 (Expert - Eko precyzja)	BUSINESS REPORT ORGANISATION	2 (Greenhouse farm of "Leonów")	GENERAL PUBLIC	1 (a resident - also a commune employee. Most of the workshop participants are also residents of the Niemce Commune).
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<p>Annexes (photo, media coverage web-links etc.,)</p>	<p>https://www.facebook.com/gminaniemce/?hc_ref=ARSoV6hFn7m1TBP8qyctelOY-4DJSuOsWPDuGmPPWIDQwuHe2PNdUqkdElseKKk-5CY&fref=notif_tn_kC-R</p> <p>https://www.niemce.pl/aktualnosci/n,226962,zaproszenie-na-spotkanie-pt-prezentacja-bazowej-inwentaryzacji-emisji-bei-w-gminie-niemce.html</p> <p>https://www.niemce.pl/aktualnosci/n,227479,warsztaty-w-gminie-niemce-z-interesariuszami-projektu-enes-ce.html</p> <p>https://www.lubelskie.pl/aktualnosci-fundusze-europejskie/warsztaty-w-gminie-niemce-z-interesariuszami-projektu-enes-ce/</p> <p>https://www.lubelskie.pl/kategoria/aktualnosci-fundusze-europejskie/</p>																		







Workshop Event Report No 1 in 2021: "Presentation of the Baseline Emission Inventory (BEI) in the Niemce Commune and the possibility of using it for energy planning", i.e. proposals for future joint investments in the Niemce Commune as part of the created citizen energy group within the ENES-CE project.

20th of July 2021 (11 a.m. - 1 p.m.), conference room at the Niemce Commune Office, Lubelska street 121, 21-025 Niemce, Lubelskie Voivodeship, Poland.

The ENES-CE project workshop meeting No. 1 in 2021 namely on July 20, 2021 was attended by representatives of the Niemce Commune: Head of the Niemce Commune, Deputy Head of the Niemce Commune, employees of the Niemce Commune Office, councillors and residents of the commune, local entrepreneurs, as well as representatives of other institutions in the commune, such as: Cooperative "Alfa" in Niemce, Primary School in Niemce, also Social Welfare Centre in Niemce. The workshop was also attended by employees of UMWL (Marshal Office of the Lubelskie Voivodeship in Lublin, as well as an expert in energy planning employed as part of the ENES-CE project (15 people in total).

The meeting was started by Mr. Henryk Smolarz - Deputy Head of the Niemce Commune, who presented the purpose of the meeting and summarized the results obtained during the previous workshop meetings. Then, the discussion on the creation of an energy cluster in the Niemce Commune began.

By motivating workshop participants to create an energy cluster, Mr. Kajetan Kościak - acting Head of RES Division in the Department of Environment and Natural Resources of in the Marshal's Office in Lublin, presented the idea of creating an energy cluster and mentioned additional benefits resulting from it for potential members of the energy cluster, i.e. the possibility of receiving additional points when submitting applications for co-financing investments related to RES from regional and national programs in which bottom-up energy initiatives are to be rewarded.

In addition, the discussions focused on the creation of self-balancing energy areas in the future, plans to amend the energy law and the RES Act on energy aggregators and changes that are to allow the production of energy from renewable sources in one place, and billing elsewhere, which at the moment is not allowed in Polish law.

The representatives of Greenhouse farm of 'Leonów' joined the discussion, presenting their expectations and vision of cooperation with other stakeholders.



When considering the future joint investments in renewable energy sources within the cluster, the problem of available connection capacity at power station in the commune was discussed, as well as further visions of investments leading to joining the Polish Electricity Grid (PSE) in the context of the RED II directive. Among others, on the need to find financing and technical entities (with concessions) in the future, as well as on establishing a mechanism for controlling energy within the group, on investments in “actual” energy storage, balancing energy within the group, as well as on the distribution of costs in individual investments. It was emphasized that in the case of the implementation of “Cluster Projects”, which will be financed from external funds, the Partners should conclude separate agreements strictly regulating the principles of financial and material contributions and other property components.

During the discussion on the vision of cooperation, suggestions were collected regarding the content of the agreement on the creation of a citizen energy group in the form of an energy cluster in the Niemce Commune in the Lubelskie Voivodeship.

As agreed, the cluster will include the founding members and the coordinator. The cluster will be open to accepting new partners / members, and participation in it will be based on the principles of voluntariness and willingness to cooperate and based on the principles of the cluster functioning. The Niemce Commune declared its willingness to assume the function of a coordinator. The name of the energy cluster was also considered. Among the proposals there were, among others “Energy Cluster in the Niemce Commune, in the Lubelskie Voivodeship”, “Cluster of Energy in the Niemce Commune”, or “Cluster “Energy from Niemce”. The name issue will be clarified at the next workshop.

The next stage of the workshop meeting was the presentation of an external expert as part of the ENES-CE project, who presented the purpose of the Baseline Emission Inventory (BEI), explained what it concerns and what elements are its components. Then, the expert discussed the ideas of the Covenant of Mayors for Climate and Energy and presented the differences between the existing Sustainable Energy Action Plans (SEAP) and the Sustainable Energy and Climate Action Plans (SECAP) planned to be implemented.

In order to familiarize the stakeholders with the BEI development methodology, the basic principles of the emission inventory used during its creation were indicated, individual sectors occurring in it were discussed, the calculation methodology applied, as well as the selection of greenhouse gases and air pollutants included in the inventory were presented. Information on the base year (2010) was presented, which is the key to determining the goal of reducing CO₂ emissions in a multiannual perspective, and then the conclusions resulting from the inventory were summarized. A detailed discussion of BEI and its structure made it possible to present the possibility of using the Base Emission Inventory to select activities aimed at reducing CO₂ emissions, reducing final energy consumption and increasing the share of RES in the area of the Niemce Commune until 2030, taking into account the perspective until 2050.

Among the series of 16 actions proposed by the expert to be implemented within the created energy citizen group, individually by cluster members or in cooperation, it was discussed that



among the presented investments, priority investments for the Commune and residents could be:

1. **Investments in photovoltaic panels, as in the currently implemented priority project in the commune "Eco-efficient commune of Niemce"**. The expert proposed repeating such a project in the future, until 2030, depending on the possibility of receiving funding by the Commune and residents or the energy cluster and its members.
2. **Replacement of low-power combustion sources in the municipal-housing sector with coal furnaces (meeting the ecodesign requirements in accordance with Directive 2009/125/EC), with gas, with biomass in 440 residential buildings in all localities of the commune until 2030 and continuation of the project in the longer term, until 2050.** A proposal was made to use the STOP SMOG program by the commune and the least affluent inhabitants, or individually by the inhabitants, using subsidies for investments in renewable energy from the National Fund for Environmental Protection and Water Management or the ROP - Regional Operational Program of the Lubelskie Voivodeship, the commune's budget of the inhabitants' own funds.

At the same time, it was discussed that investment projects for the replacement of combustion sources could be preceded by "an ecological education action for the community, as part of information and promotional meetings aimed at raising awareness of the possibility of reducing low emissions in the commune, the possibility of choosing air quality notification systems in the future" as part of the ENES-CE project. The expert also proposed the continuation of activities in the following years until 2050 by conducting an "educational and information campaign to raise awareness about energy efficiency (EE) and the related possibilities of financing investment activities", by the commune, e.g. as part of the activities of the Commune Energy Engineer or an external expert or as part of an energy cluster activity.

3. **Modernization and construction of street lighting** currently implemented and proposed for further implementation.
4. **Thermomodernization of buildings and supporting energy-saving construction in housing construction.** A project implemented individually by residents or as part of a cluster by cluster members as a cooperation in order to reduce final energy consumption, improve energy efficiency of facilities used by them and improve air quality.

Referring to the proposal and expectations regarding the "ecological education action for the community under the ENES-CE project", the commune informed that at this stage it does not declare the purchase of a device for measuring/notifying about air quality as part of an educational campaign, because it is in the process of purchasing an application that residents will be able to install on their phones. The application will provide information on waste management and perhaps it can be extended to provide information on air pollution in the Niemce Commune.

During the workshop, the expected scope of activities of the Commune Energy Engineer in the Niemce Commune was established, which will operate under the "plan of the consultation and



advisory system in the field of possible investments regarding the use of renewable energy and EE in the commune with a Commune Energy Engineer or an external expert". The meetings would be held once a year for a larger number of stakeholders and once a month as part of meetings with individual stakeholders. The plan will be presented at the next workshop and the residents will be able to discuss it further.

The workshop meeting was an important element in the process of creating a citizen energy group. The results of the Baseline Emission Inventory (BEI) were compared with the expectations, needs and investment plans of the project stakeholders, the cooperation vision was discussed and the gathered information is to be included in the draft agreement on the establishment of an energy cluster and presented during workshops 2 in 2021.

The summary of the workshop meeting made it possible to obtain initial declarations of joining the energy cluster in the Niemce Commune. It was agreed that the content of the agreement would be discussed at workshops 2 together with other documents prepared by the external Expert. The signing of the agreement is planned at 2021 workshop no 3

During the meeting, multimedia presentations and open questions were the activating methods, setting up the discussion of the workshop participants.