



Advancing Renewable  
Energy Communities

# REPORT ON THE POLISH NATIONAL DESK KICK-OFF MEETING

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## INTRODUCTION

The online conference presented in this report has been realised within the range of activities planned under Work Package 3 (Country Desks and stakeholder dialogues) of the COME RES project. It is the kick-off meeting of the National Desk in Poland, aiming to bring together relevant stakeholder groups and initiating a nation-wide dialogue platform. The country desk is a tool to ensure a wide and lively engagement of market actors and stakeholders throughout the project. The online conference was addressed to a wide range of relevant stakeholders in Poland, representing public administrators/decision makers, respective ministries, energy clusters, public authorities, metropolitan areas, branch associations, universities, research institutes, experts and technicians, and distribution system operators.

The conference was organised by The Polish National Energy Conservation Agency (KAPE). The event was held on the 27th of January 2021 on the platform Microsoft Teams. The main aim of the conference entitled „Conditions for development of community energy in Poland” was to present the COME RES project, its objectives, activities, and approach and to discuss the status quo of community energy in Poland in the context of the RED II provisions. The event gathered 85 participants covering a wide spectrum of the energy market.

# PREPARATORY ACTIVITIES

The agenda of the meeting was prepared by KAPE's staff. Titles and content of presentations were coordinated with the speakers.

To achieve a high number of participants and ensure wide publicity of the COME RES project, KAPE conducted extensive informative activities prior to the event:

- Over 150 stakeholders were contacted;
- KAPE shared information on its Twitter and Facebook page.



Krajowa Agencja Poszanowania Energii zaprasza na spotkanie dyskusyjne pt. "Uwarunkowania rozwoju energetyki obywatelskiej w Polsce" w dniu **27 stycznia 2021 roku**, w **godz. 10:00 - 12:30**, dotyczące funkcjonowania energetyki obywatelskiej w Polsce (klastry, spółdzielnie energetyczne, prosumenci).

Spotkanie ustanawia Platformę Dyskusyjną w ramach projektu Komisji Europejskiej COME RES – „Energetyka obywatelska jako klucz do rozwoju wykorzystania OZE w sektorze elektroenergetyki. Integracja wizji długoterminowych z krótkoterminowymi działaniami”. Rejestracja na wydarzenie poniżej:

[Rejestracja](#)

Zapraszamy decydentów, przedstawicieli władz lokalnych, instytucji wspomagających rozwój energetyki rozproszonej, branżowych stowarzyszeń i instytutów do dyskusji, wyrażenia opinii nt. potrzeb i oczekiwań wdrażających tę energetykę, a przedstawiając ofertę projektów UE i narzędzi wspomagających przygotowanie inwestycji.

#### Program spotkania:

- Wprowadzenie. Cel spotkania. Zagadnienia problemowe.  
*Ryszard Wnuk, KAPE S.A.*
- Zadania i działania projektu COME RES.  
*Piotr Nowakowski, Ryszard Wnuk KAPE S.A.*
- Rozwój energetyki rozproszonej w Klastrach Energii - Usługa systemowa samobilansowania.  
*Ryszard Cetnarski, IDEA - Interdyscyplinarny Zakład Analiz Energetycznych (DIZ), NCBJ*
- Wsparcie energetyki obywatelskiej przez WFOŚiGW.  
*Tomasz Koprowiak, WFOŚiGW w Olsztynie*
- Potencjał rozwoju energetyki obywatelskiej Gminy Zalewó  
*Rafał Konicz, Urząd Miejski w Zalewó*
- Wskaźniki efektywności mikroinstalacji PV, na wybranym przykładzie.  
*Piotr Nowakowski, KAPE S.A.*
- Co przyniesie projekt DRES2Market?  
*Hanna Bartoszewicz-Burczy, Instytut Energetyki*

Udział w webinarium jest bezpłatny. Spotkanie odbędzie się na platformie MS Teams (nie jest wymagane posiadanie konta). Bezpośredni link do spotkania wyślemy zarejestrowanym uczestnikom w osobnej wiadomości.

Z poważaniem,  
Piotr Nowakowski, Ryszard Wnuk  
Krajowa Agencja Poszanowania Energii S.A.

f in

[Kontakt](#)

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**KAPE** @KAPEPolska · Jan 20  
@KAPEPolska zaprasza na spotkanie dyskusyjne dotyczące funkcjonowania energetyki obywatelskiej w Polsce (klastry, spółdzielnie energetyczne, prosumenci).

📅 27 stycznia (środa)  
🕒 Godz. 10:00 - 12:30

Zapraszamy do rejestracji na stronie KAPE.  
[kape.gov.pl/event/uwarunko...](http://kape.gov.pl/event/uwarunko...)

**COME RES Project** @comeres\_eu · Jan 19  
Our Polish Stakeholder Desk will kick off on 27 January with a workshop on the conditions for the development of energy communities in Poland  
@KAPEPolska  
Polish speakers find out more and register here 🇵🇱  
[kape.gov.pl/event/uwarunko...](http://kape.gov.pl/event/uwarunko...)

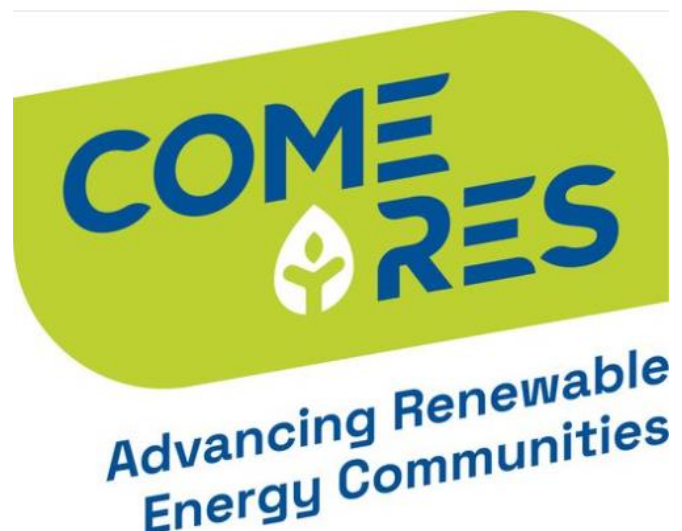
🗨️ 🔄 ❤️ 2 📤

**Krajowa Agencja Poszanowania Energii S.A.**  
21 stycznia o 00:30 · 🌐

Krajowa Agencja Poszanowania Energii S.A. zaprasza na spotkanie dyskusyjne dotyczące funkcjonowania energetyki obywatelskiej w Polsce (klastry, spółdzielnie energetyczne, prosumenci).

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Zapraszamy decydentów, przedstawicieli... [Zobacz więcej](#)



## COURSE OF THE EVENT

The Conference began with an introduction by Dr. Ryszard Wnuk, Senior Expert for Renewable Energy Sources (RES) and Energy Efficiency (EE) at KAPE, who introduced the participants to the issues of stimulation of citizen energy development at the EU level through the relevant directives and regulations. The statistics on electricity production from different RES technologies and the share of RES in final energy consumption in different years were presented. The following topics were also discussed:

- PV market in Poland;
- Perspectives and trends for RES community energy;
- Research support for the development of energy communities.

Then, Piotr Nowakowski, Expert for RES at KAPE, described the origin of COME RES project, underlying the importance of the activities and outcomes that resulted from the previous initiative (WinWind) conducted by the consortium. He presented an overview of the COME RES project, its objectives, and methodology, explaining the links between different activities. Piotr Nowakowski also emphasised how the project will facilitate the RED II transposition and implementation process.

Afterwards, Dr. Ryszard Cetnarski, representing the Interdisciplinary Division for Energy Analyses of National Centre (IDEA) for Nuclear Research, described the existing support schemes and incentives for dispersed energy in general, highlighting the forms of community energy (e.g. energy clusters and energy cooperatives). He also presented the tool of self-balancing service for energy clusters on which IDEA is currently working.

The next lecturer, Tomasz Koprowiak, Head of Energy Advisors at Regional Fund of Environmental Protection and Water Management (WFOŚiGW) in Olsztyn and former mayor of Kisielice Municipality, spoke about multiple forms of support for citizen energy that WFOŚiGW provides in the Warmian-Masurian region. Here, an advisory support and the role of local authorities in the light of energy transition are considered essential. Tomasz Koprowiak also shared concepts on how to create energy cooperatives in the region with the participants.

Following the idea of creating energy communities in the region, Rafał Konicz from the municipal office in Zalewo presented the potential for the development of such initiatives in the municipality. He listed the RES technologies that are being utilised in the municipality and the ones that are under development.

Given the importance of PV systems particularly in the context of collective prosumers (the legal framework is being elaborated by the Ministry of Development), Piotr Nowakowski revealed a set of technical performance indicators for micro-scale PV installations that had been elaborated under the EU-HEROES project. The application of presented indicators is wide. They can be used both as a tool for the assessment of already working PV systems and as a support for the design of PV installation.

Dr. Hanna Bartoszewicz-Burczy, Head of Economic Section at Institute of Power Engineering (partner in the DRES2Market project) described the project being realised in framework of Horizon 2020, its main goals, and approach. The main aim of the DRES2Market project is to develop a comprehensive and affordable approach to facilitate the effective participation of distributed generation based on renewable energies in the electricity markets, and enable to provide balancing and reserve services according to market criteria. She emphasised relevant issues that will be analysed within the project:

- Assessment of existing technologies (energy generation, solutions for energy storage, smart technologies, demand side management, etc.);
- Assessment of existing grid codes and market rules allowing the participation of variable renewable energy;
- Identification of the possibilities of active participation of end-users and prosumers in the electricity generation from RES;
- Verification of the most promising solutions and approaches using simulation processes under real network conditions.



## DISCUSSION AND CONCLUSIONS

During the discussion, several RES community energy research projects and initiatives were presented. One of them, KlastER (Development of distributed energy within energy clusters), is being realised by the consortium composed of the Ministry of Development, University of Science and Technology (AGH), and Interdisciplinary Division for Energy Analyses of National Centre (IDEA) in the framework of the GOSPOSTRATEG programme from 2019 to 2021. One of the project's objectives is to develop viable business models for community energy. It was emphasised that a current problem for developing business models is the lack of regulations that would enable any business models for community energy, which would ensure competitiveness in the energy market.

The three factors that influence the development of energy communities were underlined:

- Enabling a regulatory framework;
- Support schemes;
- Awareness and social acceptance.

The network of energy advisors that runs in every voivodeship in Poland within Regional Funds for Environmental Protection and Water Management acts to promote RES and energy efficiency on a local level. This network is an effective tool that raises the awareness of local actors and facilitates the development of community energy. The energy advisors are doing so by consulting, advising, and participating in conferences workshops and training for municipal energy managers. The services of energy advisors are free of charge because they are funded by the European Operational Programme Infrastructure and Environment.

It is worth noting that KAPE already started this cooperation under the WinWind project with the Regional Fund for Environmental Protection and Water Management in Olsztyn and is still maintaining this lively cooperation under the COME RES project. The regional fund represents the target region of the project.

One of the most valuable inputs was provided by the Director of the Low-Emission Economy Department of the Ministry of Development, Labour, and Technology Mr. Przemysław Hofman. He presented the current status of regulatory work in detail. He also stated that the work on a proposal for a framework for collective prosumers is almost finished. The Ministry is currently at the stage of receiving confirmations from the Energy Regulatory Office (ERO) and The Ministry of Climate and Environment regarding the project.

There are two models for collective prosumers that are intended to be introduced:

- Virtual prosumption – dedicated for installations that are not physically connected with the owners (energy consumers). A similar model as introduced in Lithuania. In this model prosumer will be using a part of privileges that regular prosumers have (e.g. net-metering scheme);
- Collective prosumption – dedicated for multifamily buildings. This model will operate on the same basis as individual prosumers (with the same rights and obligations).

At the moment, the draft regulatory framework is being prepared by the Ministry. The authorities want to verify the impact of such solutions on the budget for the billing manager and RES fees (included in energy bills of final consumers) with the ERO. There is an initial agreement with the institutions that should introduce these solutions in the third quarter of 2021.

The Ministry announced that the implementation of regulations to balance energy cooperatives is in progress.

Following the RES amendment ACT of 2019, there are 3 regulations that should be issued:

- a regulation on prosumer balancing;
- a regulation on energy cooperatives;
- Rules for connections from RES installation to distribution networks.

The draft of these regulations had had final shape, however, the Ministry of Climate and Environment is making some modifications based on remarks that came out during public consultations. Hopefully, introducing these regulations will allow actual development of energy cooperatives.

The Ministry of Economic Development, Labour and Technology and The Ministry of Climate and Environment and the Ministry of Agriculture are preparing themselves for the introduction of the provisions of RED II into the regulatory framework. It was expressed that the Ministries are open for suggestions and proposals concerning energy cooperatives, clusters, and enabling framework.

The Ministries will examine which laws have to be updated in order to improve the status of community energy. In order to fulfil the provisions of the RED II Directive, the Ministries as above will try to implement necessary improvements to the existing business models for citizen energy (prosumers, energy clusters). It seems that some of the existing business models could help to achieve the RED II objectives. Hence, the Ministries will utilise what has been already developed. In the opinion of the Ministry of Economic Development, Labour and Technology, collective prosumers may fulfil a major part of obligations that RED II impose on Poland. An analysis will be conducted that examines to what extent the act on collective prosumers introduces the aspects of the Directive.

There are some possible solutions that are not deployed in Poland, yet:

- Selling electricity by prosumers;
- Energy sales between neighbours.

These are new ideas for which some new solutions ought to be prepared in the upcoming months.

The Ministry of Economic Development, Labour and Technology expressed the will to cooperate with COME RES and to deeply monitor the COME RES project and to make use of our published studies, analysis and positions.



Undoubtedly, PV is the fastest-growing RES technology in Poland, especially on a micro-scale. This current development is highly stimulated by a dedicated support scheme for prosumers (net-metering scheme) and by a number of programmes (mainly the “My Electricity” programme), giving an opportunity to receive investment support either in grant or loan formula. The high interest in PV installations that also has been expressed by many stakeholders, is reflected by the total installed capacity, which in December 2020 reached 3.66 GW according to the Polish Transmission System Operator (PSE).

Despite the fact that the development of the PV industry will continue to grow in the next years, the exchange of experiences, the presentation of best practice cases, and a merit dialogue remain substantial and valuable. The conference met the right time for a discussion on the development of energy communities and gathered a high number of participants – 85, who belonged to the following groups:

- Policy makers (The Ministry of Economic Development, Labour and Technology, The Ministry of Climate and Environment, The Ministry of National Defence),
- National renewable energy organisations (Alliance of Associations Polish Green Network, The Polish Wind Energy Association, Polish Green Building Council),
- Regional energy organisations (Baltic Agency of Energy Agency),
- Metropolises (The Agglomeration Opole Trust, The Gdansk-Gdynia-Sopot Metropolitan Area),
- Energy clusters (Żywiecki Klaster Energii),
- Academia (Warsaw University of Life Sciences, Silesia University),
- Scientific Institutes (Institute of Power Engineering), Interdisciplinary Division for Energy Analyses of National Centre (IDEA) for Nuclear Research,
- Civic and Social Organisation (Association “SPRING”),
- Banks: (Bank of Environmental Protection),
- Regional Fund for Environmental Protection and Water Management – energy advisers,
- PV industry (Bison Energy),
- Technical universities (Silesian University of Technology),
- Public utilities (GPEC Group – Leader of Thermal Industry in Pomerania),
- Local authorities: Municipality of Zalewo, Municipality of Gorlice, Municipality of Bytom, Municipality of Kościelisko,
- Parliament.

All the presentations concerning topics as presented in the agenda are considered very interesting and highly valuable. Many speakers and simultaneously actors from the field (e.g. Ministries, PV supplier, financial & scientific institutions) provided to the participants mass of first-hand information and update on regulatory works, what found appreciation by the stakeholders.

Many questions and remarks were asked (via chat) during the event and were answered the by speakers or other participants. Therefore, the meeting established a fruitful and strong interactive character.

# SCREENSHOTS

## Regulacje dla Energetyki Rozproszonej

### System opustów (Net-metering)

Dedykowany dla instalacji PV. Magazynowanie nadwyżek w sieci.

Jeden odbiorca - Behind the meter.

Wielu odbiorców – wirtualny prosument \* końcowe etapy.

### Obniżki opłat sieciowych dla Klastrow Energii

Dedykowany lokalnym społecznościom energetycznym.

Wynagrodzenie za obszarową autokonsumpcję \* końcowe etapy.

Wynagrodzenie za wzrost samowystarczalności \* w trakcie przygotowania.

### Dopłaty do inwestycji OZE i w efektywność energetyczną

Dedykowane gminom i mieszkańcom. Pokrycie części kosztów inwestycyjnych i ulgi podatkowe.

Budynki jednorodzinne:

- **Cryste powietrze**
- **+ Uliga termomodernizacyjna**
- **Stop smog** (dedykowane dla ubogich energetycznie)

Wszystkie budynki

- **Premia termomodernizacyjna**

Wymaga audytu budynku. Wsparcie tylko w formule kredytowej.

**+ cPPA** (bezpośrednie umowy kupna/sprzedaży energii odnawialnej)

**IDEA** INTERDISCIPLINARY DIVISION FOR ENERGY ANALYSES

**Enercode** your access code to the future

#### Uczestnicy

Wpisz nazwę

Podczas tego spotkania (78)

- Agata Skrzypek
- AD Adam Dziadula (Gość)
- A Aleksandra (Gość)
- AS Aleksandra Stefańczak (Gość)
- AC Andrzej Curkowski (Gość)
- AS Andrzej Szajner (Guest)
- AR Angelika Ryndak (Gość)
- Anna Ciechomska
- AS Anna Grodzińska SAO(Gość)
- AG Anna Grzelak-Frank Spoza organizacji
- AM Anna M (Gość)

+69
WM
AS
TP
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AW

**DRES2Market: Podejścia techniczne, biznesowe i regulacyjne mające na celu zwiększenie możliwości rozwojowych energii odnawialnej do prowadzenia aktywnych działań na rynkach energii elektrycznej i usług pomocniczych.**

Hanna Burczy

Instytut Energetyki – Instytut Badawczy

**COME RES**

**„Uwarunkowania rozwoju energetyki obywatelskiej”**

**Hanna Bartoszewicz- Burczy**

**INSTYTUT ENERGETYKI**

**27 Styczeń 2021 r.**

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# PARTNERS



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 953040. The sole responsibility for the content of this document lies with the COME RES project and does not necessarily reflect the opinion of the European Union.