

# ECOCLUB ANNUAL REPORT

## 2020

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### INTRODUCTIONS



The year 2019 in Ukraine was expected to be stormy and people's attention was drawn to political battles and human tragedies. The state maintained GDP growth, continued decentralization, started to work The State Energy Efficiency Fund and reformed state support scheme for renewable energy. These measures will lead to reduction in greenhouse gases emissions. However, it is clearly not enough for building safe and secure energy system, which is needed to prevent a climate disaster.

In addition to this global challenge, Ukrainians have another one - an institutional weakness of authorities, particularly those protecting the environment. Even some "green" projects may harm the environment, not to mention factories and coal-fired power plants, or pollutant discharges and emissions. We lack not only governmental bodies able to protect the right of Ukrainians "to a safe and

healthy environment and to a reimbursement of violation of this right" (art. 50 of the

Constitution) but even regulatory acts enforcing the article are missing. For example, there is no regulatory act prohibiting air pollution which exceeds safe levels.

Therefore, in 2020 Ecoclub will continue activities aimed at introducing environmentally sound and sustainable practices, requirements and institutions into communities and into a public policy in order to fulfill environmental values and energy independence of Ukrainians.

Our achievements in 2019 would not have been possible without a wonderful team, responsible and strong partners and support from our backers. From the bottom of my heart I thank these people for the opportunity to do good things together.

Andriy Martynuk, Chair of the Board of Ecoclub

## **ABOUT ECOCLUB**

Ecoclub is an energy-oriented environmental protection NGO based in Rivne. Ecoclub works for a safe future with affordable energy. We have more than 10 years of energy efficiency experience including organizing educational events (seminars, lectures and trainings), street actions, lobbying and advocacy activities and studies. We publish analytical reports and researches; broadcast through media our view of energy policy and energy efficiency.

Our mission: Creating a future with green energy by empowering communities and influencing policy.

These are our strategic priorities:

- involvement of people into shaping and implementing of energy policy;
- progressive political decisions in energy sector on local and national levels;
- affordable energy carriers that does no harm to environment and climate.

You can support Ecoclub by becoming a member of the organization:

[https://ecoclubrivne.org/join\\_us/](https://ecoclubrivne.org/join_us/)

Members' support will make Ecoclub's demands stronger, as they will not only reflect views of employees but also will show an importance of environmental issues for a wider public.

## **WORK DIRECTIONS:**

### **ENERGY EFFICIENCY**

Obstacles to improving an energy efficiency of public facilities and building stock are lack of knowledge, expertise and solutions for energy efficiency measures. Ecoclub activities in 2019 were aimed at creating new tools for supporting energy efficiency, enhancing existing ones and raising awareness of all stakeholders.

## Series of trainings "Energy management in hospitals"



From February to May Ecoclub in collaboration with Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH (hereinafter - GIZ) conducted 7 trainings for representatives of healthcare institutions in Chernihiv, Sumy, Vinnytsia, Mykolaiv, Kharkiv, Lviv and Dnipro.

Roughly 1,7 thousand hospitals and 10.2 thousand polyclinics in Ukraine need energy modernization. Almost all the buildings were built before 1990 and do not meet current energy standards. However, after the implementation of an energy management system, they will be able to save up to 20% of energy costs.

At the events, experts trained participants in the following topics:

- The theory of hospital energy management. Energy budget and energy balance of the institution, organization of energy monitoring and assessment of prospective energy saving.
- Technical features of hospitals' buildings and equipment: practical cases.
- Funding of energy efficiency measures. Assessment of investments for energy efficiency. How to overcome legislative barriers, that prevent certain forms of funding of energy efficiency.

**Results:** 189 participants were trained. Some of them said in the questionnaires a month after the trainings that they had already used in practice the acquired knowledge of energy audits, measuring equipment, analysis of energy consumption data, modernization of lighting system and features of building insulation.



### Hackathon EnergyLab

### Hospital

A platform for visualization and analysis of energy consumption data, a program for automated energy costs forecasting, a methodology for selecting key energy monitoring points in hospitals -

some of the best ideas that participants have developed at Hospital Energylab Hackathon. All ideas were aimed at improving energy management of hospitals and reducing energy consumption.

Within two days 7 teams looked for ideas for next directions:

- Monitoring of energy consumption.
- Visualization of energy consumption and energy efficiency data.
- Behavioral changes for staff, visitors and patients of institutions.
- Decision support systems for improving energy efficiency.
- Other areas of energy efficiency and digitization.

Their task was to develop solutions that would improve energy efficiency in healthcare facilities.

The teams included IT-professionals, energy efficiency equipment manufacturers, energy managers of hospitals, representatives of governmental bodies, students. Participants were selected on competitive basis.

Next experts supported teams in development of their ideas:

- Tetiana Zyatikova, Zhytomyr City Council, Energy Management and Investments.
- Serhii Harashchuk, consultant of the Association of Ukrainian Cities.
- Oleksandr Bovhyria, software developer at SoftServe.
- Maria Druzhinina, technical Expert, European Energy Distinction in Ukraine.
- Dmytro Marusych, energy efficiency expert.
- Illia Yeremenko, Climate Change advisor.

The ideas of the teams were evaluated by an international jury:

- Ricardo Külheim, director of GIZ project “Energy Efficiency Advisory Services for Companies”.
- George Cristodorescu, coordinator of the energy efficiency sector GIZ Ukraine.
- Veit-Klemens Raishch, advisor to the Kosovo Energy Efficiency Project.
- Oleksandra Gumeniuk, director of the European-Ukrainian Energy Agency.
- Petrunin Dmytro, director General of the Energy Efficiency Directorate, Ministry of Regional Development, Construction and Housing and Communal Services of Ukraine.
- Zhanna Yaroshenko, chief Physician of the NSCRM NAMS of Ukraine.
- Olena Khomych, deputy chief physician of Ovruch Center for Primary Health Care.
- Sergey Huba, chief energy Engineer of Chernihiv City Hospital # 2.
- Olga Vedmidera, Sumy National Scientific Committee “St. Zinaida DCL”, deputy director for Economic Affairs.
- Volodymyr Vinnytsky, deputy chief physician of Chernihiv Maternity Hospital

Results: more than 100 participants: energy managers, doctors, IT specialists, representatives of local authorities and civil society.

The winning team developed a prototype of a platform that aggregates data on energy consumption by individual units and institutions, analyzes them and enables cost optimization decisions.

Hospital Energylab Hackathon was held by Ecoclub and GIZ in collaboration.

### **Support of revolving fund<sup>1</sup> of Klevan amalgamated community**



Established in 2018, fund has started operations in March 2019. Its foundation is a result of the collaboration of Ecoclub, local deputies and the leadership of the Klevan amalgamated community.

The budget of the fund is UAH 100,000. The fund is the first in Rivne region and the third in Ukraine.

The most popular measures among residents of Klevan community is replacement of windows. There are loans for energy efficiency measures for buildings (insulation of facades, basements, roofs; replacement of doors and equipment; other) and development

of renewable energy sources (for example, the installation of collectors for heating water or solar power plants).

Results: 9 families used the revolving fund for the year, about 135,000 hryvnias have been issued.

The main support from the Ecoclub in 2019 is consultation and a leaflet with a list of services and an explanation of the principle of operation of the revolving fund, issued jointly with the Heinrich Böll Stiftung | Kyiv - Ukraine: <https://ecoclubrivne.org/download/9890/>

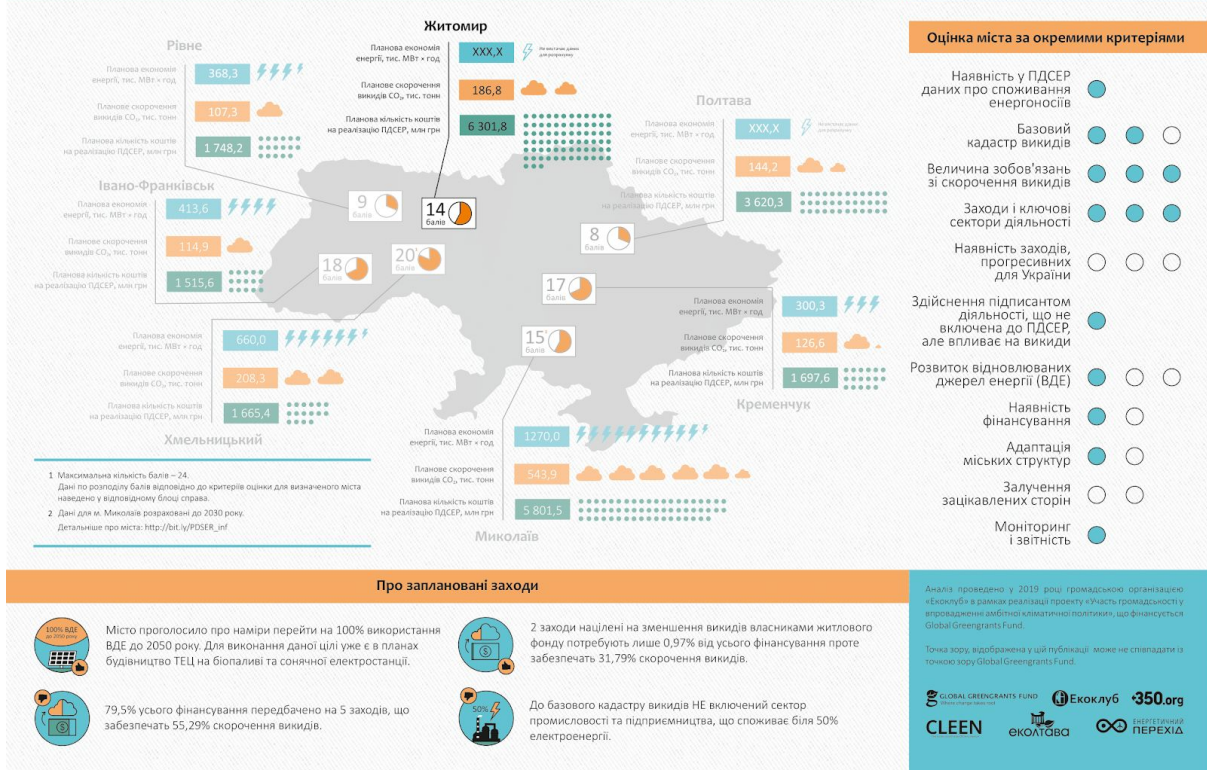
### **Analysis of the energy plan (SEAP) of Zhytomyr**

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<sup>1</sup> Revolving Fund is a tool to support energy efficiency and RES. Borrowers of the fund pay one-time administrative fee of 3% of the amount of the loan and no interest rate. Then they repay the loan's body monthly in equal parts. After repayment by one borrower, money are given to another, so the fund "revolves".

# ГРОМАДСЬКИЙ АНАЛІЗ Плану дій сталого енергетичного розвитку (ПДСЕР)

М. Житомир



Zhytomyr is the first city in Ukraine (and Eastern Europe) to announce intentions to transit to 100% green energy use by 2050.

A high-quality and realistic Sustainable Energy and Climate Action Plan is one of the factors necessary to achieve this goal. Ecoclub analysis showed that although SEAP contains most of the necessary data, number of drawbacks to work on remain. In particular, innovative for Ukraine measures are almost absent in the document, which mentions only installation of 20 heat pumps. There are no organizational measures to incentivise development of RES and no strategic goals are set. In regards to the implementation of RES, the planned measures address only public sector and centralized heat supply.

In general, the SEAP of Zhytomyr contains the necessary information and background data for the proper formulation of a purpose and long-term goals. It lacks details describing processes and solutions. However, the city makes big steps to move to 100% RES. In particular it plans to build thermal power plant on biofuels and solar power plant.

Results: infographic <https://ecoclubrivne.org/download/9734/>

In 2020, Ecoclub will participate in the development of energy and climate plans (SECAPs) of Zhytomyr and Korosten.

The analysis was supported by Global Greengrants Fund and 350.org - Ukraine.

**Workshop “Principles of Activity of the Energy Efficiency Fund of Ukraine”**

In April, Ecoclub, in conjunction with Rivne Reforms Council, held a seminar for residents and heads of condominiums about the principles of the Energy Efficiency Fund of Ukraine. Infographic from the site of the fund: <https://eefund.org.ua/>

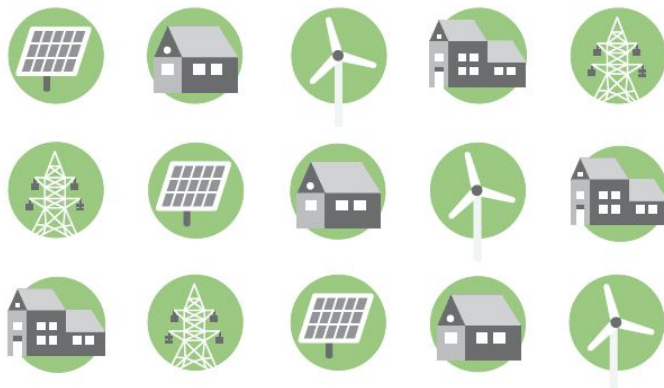
The experts spoke about the monetization of subsidies and the possibilities of condominiums' cooperation with Energy Efficiency Fund with regard to modernization and reduction of energy consumption. Also about energy audits and required for this devices and successful experience of Rivne condominiums in implementing energy efficient measures.

## **RENEWABLE ENERGY RESOURCES (RES)**

In 2019, there were changes in the scheme of state support for RES. Instead of feed-in tariff, the auctioning system was introduced for for large power plants. Apart from that, the concept of energy cooperative was reflected in legislation.

Similar to energy efficiency, the barriers for the development of renewable energy are lack of knowledge and solutions on the ground, lack of understanding of the potential of green energy and the capacity of communities for the energy transition.

### **Energy cooperatives**



Energy cooperatives can be a powerful incentive for local economies to grow, because local farmers and entrepreneurs will benefit from the production of pellets or briquettes for heating. Power plants that use the sun, wind or biomass, can also develop communities, especially if such businesses are owned by community.

Today, the only obstacle to the creation of energy cooperatives is low awareness and lack of trust among people.

During 2019, the Ecoclub supported one of the first Ukrainian energy cooperatives, founded in the Berezdivska amalgamated community. We published a brochure "Energy cooperatives - energy independence for communities". Which elaborates on legal, economic and technical aspects of the possible activities of energy cooperatives.

Results: brochure on the concepts and principles of energy cooperatives, legal framework, economic models, Ukrainian examples and instructions how to create an energy cooperative: <https://ecoclubrivne.org/download/9679/>

A site about Ukrainian energy cooperatives has been developed: <http://uaenergycoop.com/>  
 The brochure and the site was created with the support of Heinrich Böll Stiftung | Kyiv - Ukraine.

## Analysis of RES potential in Chortkiv (Ternopil region)



Chortkiv is a city that committed to energy transition to RES by 2050. This decision led questions about where to get these 100% RES, what resources we should use to replace existing consumption and how much of these resources we need.

With support of GGF Ecoclub have analyzed the renewable resources of Chortkiv rayon. The most

promising (given the climatic conditions and geographical location of the city) types of energy are sun and biomass.

Analysis conducted by Ecoclub will allow local authorities to forecast trends for the implementation of RES projects in Chortkiv. For business this is a guide to investment opportunities. Its effective implementation will help to create new jobs, create tax revenues to the budget and modernize the energy infrastructure.

Results: An analysis of RES potential for Chortkiv was developed: <https://cutt.ly/Drb2VUr>

Infographics prepared with Heinrich Böll Stiftung | Kyiv - Ukraine: <https://ecoclubrivne.org/download/10064/>

Important: The first step before switching to RES is reduction of consumption. Implementation of basic energy-efficient measures in buildings (insulation of walls, attics, installation of automatic heat flow control etc.) reduces consumption by 30-40%.

## Signing petition for 100% RES



During June-August, Ecoclub, with the support of NGO Ecoaction, organized 6 street actions for collecting signatures to the leaders of the Ukrainian political parties on Ukraine's



transition to 100% green energy by 2050.

Among the requirements of the petition are:

- Include obligations into political party program to increase energy efficiency and ensure Ukraine's transition to 100% RES by 2050.
- Create a legislative framework that allows ordinary Ukrainians across the country to use benefits of renewable energy.
- To allocate more funds in the state budget for programs of support of energy efficiency, development of RES, environmentally friendly public transport.
- Abandon plans for completion of Khmelnytska NPP and construction of new coal and nuclear power plants.

In addition to Rivne citizens, the petition was also signed by visitors of festival Banderstadt, Buscha Paporot and Plast.

Results: 1,000 signatures were collected by Ecoclub volunteers. Together with partner organizations - Ecoltava, Khmelnytskyi Energy Cluster, Ekosens and Green world (Ecological and Humanitarian Association) - we have collected 14,000 signatures of Ukrainians for the transition to renewable energy.

### **Seminar “Transition of communities towards 100% RES: benefits and precautions”**

Ecoclub together with Khmelnytskyi Energy Cluster developed a methodology for analyzing the potential of renewable energy sources for communities. The methodology allows to analyze the existing infrastructure and cost-effectively reachable RES potential.

During the seminar in Khmelnytsky Ecoclub presented the methodology for representatives of cities and amalgamated communities and explained how to utilize the potential of RES in communities and opportunities and obstacles in the process of energy transition.

Results: 16 participants of the event learned about the methodology for assessing the potential of renewable energy: <https://ecoclubrivne.org/download/9478/>

The methodology was developed within the framework of the project of the International Renaissance Foundation “Civic Synergy”.

Opportunity: Any interested community can ask Ecoclub for advice. We will help to assess the community's potential for transition towards 100% RES and advise on sustainable energy development.

The event was supported by Heinrich Böll Stiftung | Kyiv - Ukraine.

## Khmelnytsky Energy Forum



On June 11, activists of Ecoclub and Khmelnytsky Energy Cluster presented to the public and experts an analysis of the potential of renewable energy sources in Khmelnytsky.

Khmelnytskyi is the first region of Ukraine to receive such a detailed study of the potential of renewable energy sources. According to the results of the research, solar energy forms the basis of the

potential of RES in Khmelnytsky region by the number of issued licenses, the second by size of the potential is bioenergy and the third is wind energy.

Results: Khmelnytskyi's Renewable Energy Potential Analysis:  
[https://ecoclubrivne.org/analiz\\_vde/](https://ecoclubrivne.org/analiz_vde/)

It was implemented within the framework of the project of the International Renaissance Foundation “Civic Synergy”.

## Study trip with DENA



Ecoclub in cooperation with German Energy Agency (DENA) organized a study visit to Germany for the representatives of local authorities. Delegates from Zhytomyr, Lviv, Chortkiv, Baranivska, Machukhivska, Berezdivska and Merefyanska amalgamated communities, Voznesensk,

Myrhorod, Korosten visited number of sites to learn experience of German communities in the use of renewable energy.

Participants discovered the experience of German communes in Berlin, Brandenburg and Feldheim (the first community in the country which created independent energy cooperative and has already switched to 100% renewable energy).

The delegation had meetings with representatives of Heinrich-Böll-Stiftung and Germanwatch e.V.

Results: 10 representatives of Ukrainian cities and OTG received new acquaintances, knowledge and exchange of experience in sustainable energy development of communities.

## CLIMATE CHANGE

The new Ministry of Energy and Environmental Protection of Ukraine is developing a "Green course" where the share of RES is increased, compared to existing plans, and should reach 70% in 2050.

Activists managed to draw attention to the necessity to adapt cities to climate change. the Ecoclub's activities on developing climate strategies took place in Chortkiv and Korosten. Ukrainian Climate Network received more than 30 requests from journalists for comments on climate change.

### Climate negotiations



Ecoclub representative followed the international climate negotiations (COP) as the civil society observer.

Purpose of participation:

- monitor Ukraine's position on fulfilling its international commitments

under the Paris Agreement;

- keeping up to date with global trends in climate change and adaptation;
- sharing the news to Ukraine;
- communicating with colleagues from other countries to build new partnerships and experience exchange .

During the talks, she met with the Minister of Energy and Environment and other members of Ukrainian delegation to discuss the Government's plans for energy and climate policy, particularly on climate change adaptation measures.

As a result of the negotiations, the countries adopted the Declaration "Chile-Madride time for action" however, delaying the adoption of key decisions on international carbon market (Article 6) until further negotiations of parties in Glasgow (Scotland).

Results: Overview of the negotiations prepared by Ecoclub representatives: <http://tri.im/TAX7W>

### National forum "Climate ambitions of communities"



On November 28-29, the national forum "Climate ambitions of communities" was held in Lviv. It aimed to bring together, inform and support representatives of local governments, including mayors, in the process of transition towards 100% renewable energy. Local authorities had the opportunity to meet

with each other and with civil society organizations.

Within two days, visitors of the forum:

- listened to reports cities committed to 100% RES by 2050 (Zhytomyr and Chortkiv);
- participated in panel discussions on wind and solar energy;
- meet the organizations offering support to cities in the field of climate change at the "resources fair" ;
- discussed adaptation to climate change in an urban environment;
- sought practical solutions for the energy transition;
- discussed the national energy policy from the perspective of cities.

During the forum, two new communities - Baranivska and Trostyanetska - declared the transition towards 100% RES by 2050. The voluntary commitments made by communities' leaders include the implementation of energy efficiency in public and private buildings, reduction of transport emissions, attraction of investments and the implementation of renewable energy projects.

The Association of Small Cities of Ukraine (about 350 member cities) has also joined the commitment to 100% RES by 2050 to support small cities in the energy transition.

21 cities/communities have signed the declaration the forum, expressing their intention to develop plans for a transition to green energy.

Declaration text: <http://bit.ly/32dwvAl>

The signed forum declarations and memorandums on energy transition will help local government to advocate for change and identify potential allies in their communities.

Results:

- 2 communities have signed a memorandum on the transition to 100% RES by 2050;
- 21 communities have signed a forum declaration acknowledging climate emergencies and calling on the country's government to step up climate action;
- 53 representatives of local authorities, including 9 mayors, and 58 activists from 30 NGOs attended the event.

## DEVELOPMENT OF COMMUNITIES AND OTHER CIVIL SOCIETY ORGANIZATIONS

Our goal is to prioritize sustainable energy in development strategy of each community. Due to decentralization, the role of communities in decision-making and their implementation is greatly enhanced. Therefore, Ecoclub consistently seeks opportunities to inform communities about best energy efficiency and renewable energy practices and to implement such projects.

### Sustainable energy solutions in communities



In November, Ecoclub, with the support of Norwegian Ministry of Foreign Affairs in Ukraine, launched the project Communities advance sustainable energy solutions (CASES).

Its purpose is to promote local sustainable energy development projects implemented in collaboration between residents, government and business.

According to the results of the competition, the committee identified the best projects.

The winners of the first stage of the competition:

- Pyryatyn City Council;
- Dobropillia City Council;
- NGO SARG (Severodonetsk);
- Zhytomyr City Council;
- Baranivka City Council;
- POLISSIA EKO ENERGO LLC (Korosten);
- Voznesensk Water Supply Utility;
- Shyroke Village council;
- Zhmerynka City council;
- Chortkiv City Council;
- Sambir City Council;
- Netishyn City Council.

In 2020, we will:

- train 36 local authorities, businesses and citizens to plan energy projects;
- support the development of innovative energy projects and stakeholder engagement in 12 communities;
- select and co-finance 2-4 pilot sustainable energy projects that will win in the second stage for 200-400 000 UAH per project.

Results: A competition was held and 12 communities were selected to study and implement projects.

### **The guidebook “Energy self sufficiency of a community”**

In the face of rapid climate change and the threats of energy dependence by an aggressive neighbouring country, energy security and the environmental protection become one of the most important steps for community development.

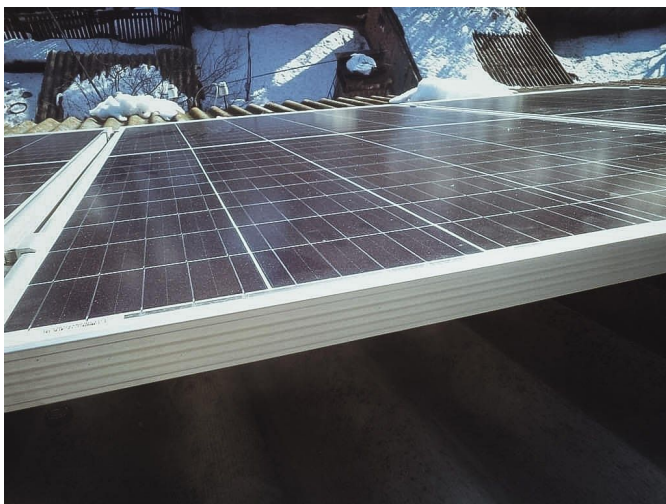


The guide prepared by Ecoclub and Ecoaction will help local governments to estimate an energy potential of their communities, create a plan for utilization of renewable energy and energy efficiency, and provide information on the tools for implementing such a plan in real life.

Results: The guide is published: <https://ecoclubrivne.org/download/9848/>

### **Solar panels for Chupakhivka and Novograd-Volynsky**

As a result of the cooperation of Ecoclub with Chupakhiv amalgamated community (Sumy region) in the kindergarten "Sonechko-1" polycrystalline solar panels and a boiler were installed. The implementation of this helps to save significantly on energy costs of the kindergarten.



Panels in Novograd-Volynsky were installed in a family-type orphanage based on the Schavlinsky family.

50% of the funds for construction and installation of the facilities were provided by German partners of the Ecoclub - Women Engage for a Common Future, the other 50% - money from Chupakhivka and Novograd-Volynsky communities respectively.

and boilers installed.

Results: polycrystalline solar panels

We are glad to share our experience in the field of construction of solar water heaters. Download the manual on self-made solar water heaters: <https://ecoclubrivne.org/download/3431>

### **Solid fuel boilers**

Rivne city plans to install 30 solid fuel boilers. The first one was installed in a boiler room on the Herzen street, 5a without the permission of the city council. While residents of the city have learned about the plans for other 29 units from the publication in the local media, which appeared only as a result of the scandal caused by the launch of the first boiler.

Ecoclub has formed the position on this, since the development of renewable sources can be beneficial for a community as well as it can be harmful to the environment: [https://ecoclubrivne.org/vde\\_30/](https://ecoclubrivne.org/vde_30/)

In general, we support the idea of energy transition, but only when no violations of the law take place and with the continued involvement of the community in the dialogue for decision-making.

Results: 2 speeches at the Rivne City Council session and 3 statements from Ecoclub. Support to Coalition of Rivne Reform Council.

### **Coordination of CLEEN (Civil local energy efficiency network)**

Throughout 2019, Ecoclub continued to coordinate the CLEEN network, which includes 23 NGOs from Armenia, Georgia, Moldova and Ukraine. The focus of the network is to improve energy efficiency in communities.

As CLEEN coordinator Ecoclub worked on:

- intensifying communication between network members;
- responding to administrative issues;
- attracting new members;
- fundraising.

Results: the network implemented joint projects.



CLEEN members analyzed energy plans (SEAP) of Ukrainian cities: Zhytomyr - NGO Ecoclub, Mykolaiv - NGO Ecoltava, Merefyanska amalgamated community, Kharkiv region - NGO Nature Conservation of Kremenchuk in cooperation with NGO Energy of the World. Also three Georgian cities by NGO Gamarjoba - Tbilisi, Kutaisi and Mtskheta. The methodology of public SEAP

evaluation developed by Ecoclub has been tested in Georgia and has proven to be applicable in other countries where members of the network operate.

Several more diverse ideas have been implemented - from What? Where? When? quiz to trainings on building insulation in Armenia.

Network activity in 2019 was supported by WECF (Women Engage for a Common Future), Naturstrom Stiftung and GLS Treuhand, GGF and 350.org.



## Coordination of Energy Transition Coalition

Energy Transition Coalition is an association of six NGOs to promote Ukraine's transition to energy saving and the use of renewable energy. Coalition's vision is 100% RES in Ukraine by 2050.

More about the work of the coalition: <https://energytransition.in.ua/>



Results:

- Memorandum on transition to 100% RES by 2050 between 350.org (coalition member) and Baranivka and Trostianets amalgamated communities. Economic model of transition of Zhytomyr city to 100% RES by 2050 has been

developed.

- Coalition position on feed-in tariff change (<https://cutt.ly/Ye7zbKc>) and biomass certification (<https://cutt.ly/Ze7zndq>).
- More than 6400 people have signed online and offline a petition asking for 100% RES transition: <https://energytransition.in.ua/100re>
- Public and non-public meetings with political parties and MPs to put renewable energy and energy efficiency issues on the agenda (<https://ecoagenda2019.org.ua>, <https://cutt.ly/6e7zTEf>, <https://cutt.ly/Ye7zYeN>, <https://cutt.ly/6e7zYX5>, <https://cutt.ly/5e7zUix>)

Following three meetings and more than 10 skype calls between April and December 2019, the coalition has created:

- Coalition's mission and vision <https://energytransition.in.ua/pro-nas>
- Development targets until 2022 <https://cutt.ly/ge7zS5o>
- procedures for selecting a Coalition Coordinator and Coalition Media Coordinator <https://cutt.ly/Ke7zDfW>
- Coalition positioning procedures <https://cutt.ly/ve7zFfx>
- the order of admission of new members to the coalition and resignation of existing members <https://cutt.ly/Se7zFYc>

- work plan for 2020.

Coalition is supported by Heinrich Böll Stiftung | Kyiv - Ukraine.

### Coordinating Ukrainian Climate Network

Ukrainian Climate Network is a network of 33 NGOs from different regions of Ukraine working in the fields of climate change: energy, transport, and environmental education.

It was founded on March 24, 2000 being one of the first NGO coalitions in Ukraine. The network has been chaired by a representative of Ecoclub for several cadences.



UCN influences climate policy and practice by consolidating efforts of Ukrainian NGOs.

More about UCN:

<http://climategroup.org.ua/>

In 2019, the network was supported by Heinrich Böll Stiftung | Kyiv - Ukraine and Swedish Society for the Conservation of Nature (SSNC).

#### Results:

- 4 new network members;
- a workshop on energy transition of cities in Vinnytsia for 29 participants;
- Seminar “Adapting Cities to Climate Change” (38 participants);
- 4 meetings of the UCN Council;
- 2 meetings with the working group on the development of the second Nationally Defined Contribution of Ukraine to the Paris Agreement;
- 2 press tours to Vinnytsia and Zhytomyr;
- 15 signatories to the “Climate Guardians” memorandum.

## **Development of an institutional capacity of Ecoclub**

In 2019, Ecoclub started the project “Environmental Policy and Advocacy Initiative for Ukraine (EPAIU)”. with the support of International Renaissance Foundation.

Within this framework, Ecoclub carried out strategic planning, updated the charter of the organization, and developed the necessary policies and procedures (tendering, communications, anti-corruption, gender equity, etc.) to be adopted by the general assembly.

Ecoclub representatives attended 11 trainings, including on financial management, strategic planning, communications, good governance, informational and digital security and more.

### **Newsletters of 2019 (all in Ukrainian)**

425 subscribers of the newsletter

15 issues for members and subscribers of Ecoclub about activity of the organization, opportunities for training, recreation and creative work, articles about eco-friendly life-style, environmental protection and more.

Subscribe at: <http://eepurl.com/dsFvav>

987 contacts of cities and amalgamated communities

17 issues with project competitions, learning opportunities, funding and development opportunities for communities.

Subscribe at: <http://eepurl.com/glSXlf>

131 participants of the newsletter for energy managers

17 letters inviting to events of Ecoclub and partners, changes in legislation, useful resources for learning and finding funding, and sharing experiences.

## **ANTI-NUCLEAR ACTIVITY**

### **Participation in public hearings on completion of 3,4 Khmelnitsky NPP units**

In February, Ecoclub, together with representatives of Rivne Regional State Administration, Khmelnitsky NPP, Ministry of Ecology and Natural Resources of Ukraine and concerned citizens, participated in public hearings in Rivne on the construction of KhNPP #3.

Ecoclub strongly opposes the construction plans and considers it to be a danger to both the environment and the national interests of Ukrainians. In particular, because:

- Russia owns the proposed supplier of reactors, Skoda JS company;
- existing structures at the NPP construction site can be dangerous;
- lack of water for cooling is expected due to climate change;
- new nuclear units will produce tons of additional radioactive waste.



Ecoclub is of opinion that instead of realizing the precarious KhNPP 3, 4 project, it worths more to invest in development of clean and safe renewable energy sources and energy efficiency.

\*The study “Transition of Ukraine to Renewable Energy by 2050” by the Institute of Economics and Forecasting of the NAS of Ukraine confirms a very real possibility to reach 91% of renewable energy

sources in the structure of the final energy consumption in 2050: <https://cutt.ly/ztwBUzq>

Results: participation in the Environmental Impact Assessment Procedure of the KhNPP Construction Project 3, 4: providing comments, participating in public hearings.

### **Hackathon “Khmelnitsky NPP: threat or opportunity?”**

On December 11, the first in Ukraine hackathon on nuclear energy was held in Khmelnytsky. Ukrainians from various fields, concerned with security, social component, economic development, state of environment and an overall development of the region and Ukraine participated in the event. Several scenarios of possible development of KhNPP 3,4 project were analyzed.



At the invitation of Khmelnytsky Energy Cluster, Ecoclub representatives moderated the event.

Next scenarios were considered at the hackathon:

- The 3rd and 4th units are being completed. The 1st and 2nd units remain in operation with the life term extension;
- Units 3 and 4 are not being completed. The 1st and 2nd units remain in operation with the life term extension;
- KhNPP (1st and 2nd units) closes: units 3 and 4 are not being completed, units 1 and 2 start to decommission after they reach the end of their life term.

Results: hackathon infographic: <https://cutt.ly/vrGGHC8>

## EVENTS FOR ECOCLUB SUPPORTERS

In 2019 organization was supported by 36 members.

### Traveling with Ecoclub

In May, together with supporters of Ecoclub, we visited Berezne Arboretum, a landscape reserve “Sokolyni hory” and the ruins of Hubkiv Castle.



Arboretum covers the territory of 30 hectares and more than 1000 woody plants of local, domestic and world flora inhabit it. It is divided in separate sections with intriguing names: Jasmine Garden, Foothills, Rocky Garden, Rosary, Birch Grove, Syringarden.

There is also a wild area in which everything is stored as it should be in the forest. And also such zones: "Forests of plains of Ukraine", "Carpathians", "Crimea", "Caucasus", "Siberia", "Far East", "Central Asia", "American region", "Japan-China".

Sokolyni Hory is a peculiar decoration of the nature of the Rivne region. There are 19 species of rare red-book plants growing here.

In the forests near Hubkiv Castle and the Sokolyni Hory, the one can find 10 species of orchids.

Even rain could not spoil the remarkable trip.

### **Watching Docudays movie**

In December, in cooperation with Committee of Voters of Ukraine, Ecoclub presented a film "Death by design" in Rivne at the #DocuDaysUA Human Rights Documentary Film Festival (dir. Sue Williams, 2016, USA).



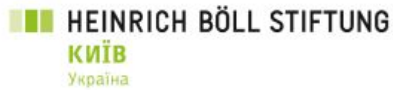
This is an investigation into the backbone of the electronics industry that demonstrates the impact of gadgets on the environment and human health. The screening was visited by 12 viewers. After it we had an interesting discussion about a consumerism, a rapid development of technologies and how they shape our habits and about the environmental problems of Rivne.

Ecoclub joins the DocuDaysUA Travel Festival for the fourth time.

### **English speaking club**

At the end of 2019, Peace Corps volunteer Michael Jaehnig joined Ecoclub. Every Tuesday, we invite all interested to talk in English to our office, where we chat over travels, traditions, holidays, books and other topics.

## COOPERATION



Тут міг бути логотип  
вашої організації :)



## PLANS FOR 2020

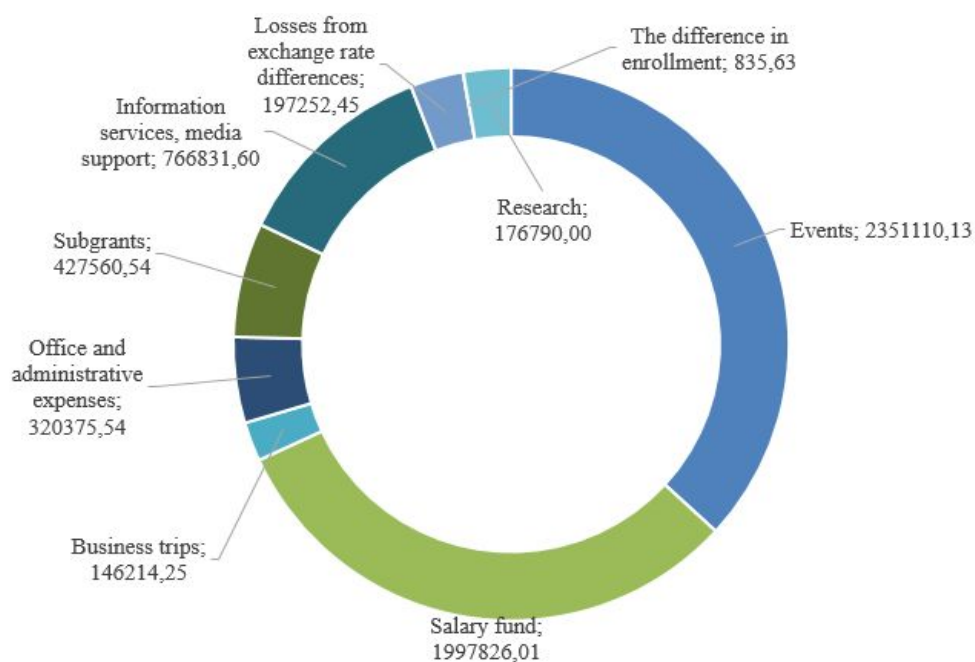
- Development of financial instruments to stimulate investment in low carbon development (cooperatives, revolving funds, local budget support programs).
- Propell high standards of vulnerability assessment and preparation for community adaptation to climate change.
- Informing the population in order to create public demand for a climate policy.
- Encouraging communities to switch to 100% RES.
- Provision of services for the development of local energy plans.
- Support for the Ukrainian Climate Network and other public networks and civic participation mechanisms, including CLEEN and 100% RES.





- Bank interest - 3386,68
- Income from exchange rate differences - 82603,37
- Ecoaction - Public Participation for ambitious climate policy - 114450
- Ecoaction - Strengthening of civil society awareness in the implementation of national climate policy - 80550
- Ecoaction - Participation at COP 25 - 10000
- International Renaissance Fund - Synergy of actions [...] in the format of the energy cluster for energy reform in Khmelnytsky region - 215900

## COSTS - 6 384 796,15 UAH



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