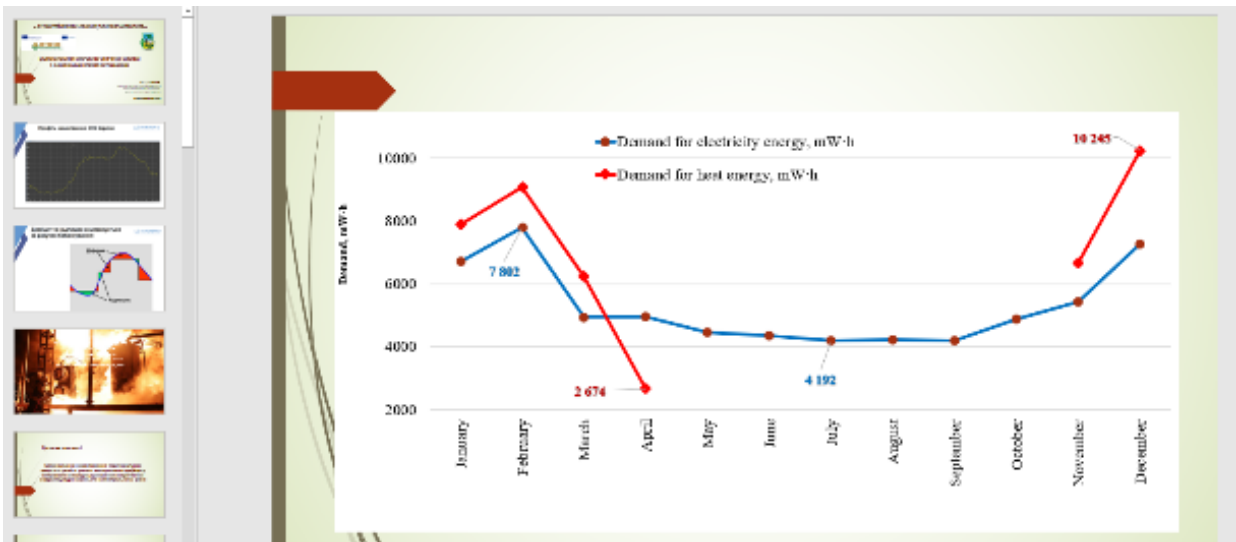


European climate law sets ambitious goals for decarbonization and the transition to sustainable energy using. The Energy Transition Roadmap to 2050, developed by the European Commission, envisages scenarios leading to a significant reduction in greenhouse gas emissions and achieving climate neutrality. The main priority is the commitment to large energy savings, covering energy efficiency measures at different levels of the economy and everyday life.

In the Education and Research Institute of Energetics, Automation and Energy Efficiency of the National University of Life and Environmental Sciences of Ukraine within the framework of the project **ERASMUS+ «VET partnership For Green and Smart Electricity in Building»** the international scientific and practical conference **"Photovoltaics: vocational education and the labor market"** was held, which brought together international partners **SOFIA ENERGY CENTRE LTD (Bulgaria)**, **SDRUZHENIE KAMARA NA INSTALATORITE V BALGARIY (Bulgaria)**, **SURDURULEBILIR KALKINMA VE CEVRE DERNEGI (Turkey)**, **ENERGOEPEKTUROBIS TSENTRI SAKARTVELO (Georgia)**, **PEOPLE IN FOCUS (Albania)**, **TANIK CULTURAL AND SOCIAL ECONOMIC DEVELOPMENT OF BORDER SETTLEMENTS (Armenia)**, **DHOMA KOMBETARE E ZEJTARISE (Albania)**, specialists, scientists, representatives of vocational education, educational and pedagogical staff, students, stakeholders who research and implement the latest technologies in the field of photovoltaics. The event is aimed at discussing modern achievements, trends in the development of solar energy, labor market issues and professional training of installers and technicians.

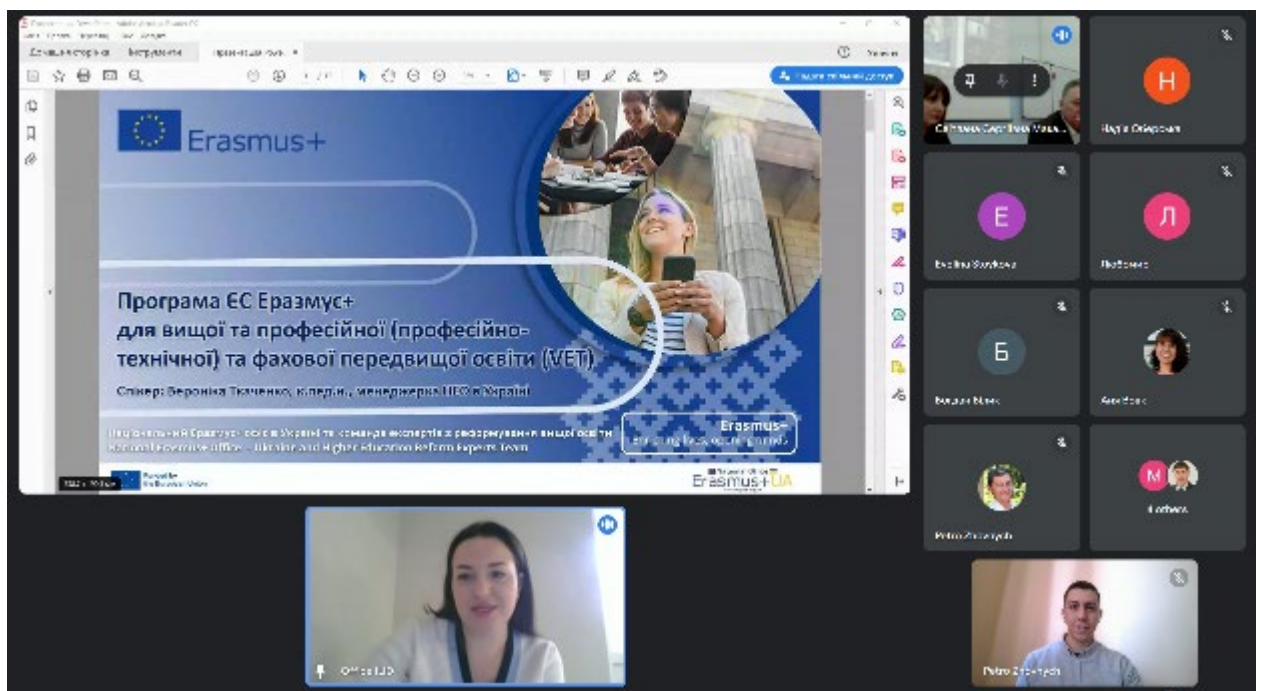
Director of the Research Institute **Victor Kaplun** opened the conference with a welcoming speech. An interesting, rich report accompanied by a presentation material contained a detailed analysis of balancing microenergy systems with solar power plants. The speaker spoke about the current experience of organizing the structures of territorial communities in the context of the global transition to green energy and decentralization of energy supply systems.



Olena Shelimanova, Associate Professor of the Department of Energy System Engineering presented current trends in the development of photovoltaic systems for buildings, emphasizing their role in ensuring energy efficiency and reducing the carbon footprint. Important areas of development are the integration of PV systems into facades and roofs, the creation of "smart" buildings with decentralized energy management, as well as innovations in photovoltaic components and materials.



Veronika Tkachenko, Ph.D., Project Manager of the ERASMUS+ Office in Ukraine, presented the experience of ERASMUS+ in Ukraine, emphasizing the importance of international cooperation in the field of education. The ERASMUS+ program actively supports projects that contribute to the development of skills for the green transition and vocational education, in particular in the field of photovoltaics.



Evelina Stoykova presented the latest technologies for PV systems in buildings. The project coordinator VET4SEB emphasized the importance of using high-tech materials and intelligent systems improving the performance of PV systems, such as BIPV technologies (Building Integrated Photovoltaics), which allow the integration of solar panels into building structures. Particular attention was paid to innovative solutions that made it possible optimal using of solar energy, increasing efficiency and reducing energy costs.



Svitlana Makarevych, Associate Professor of the Department of Power Systems Engineering, spoke about the platform of non-formal education for installers of photovoltaic systems in buildings. The educational activities of the Education and Research Institute of Energetics, Automation and Energy Efficiency of the National University of Life and Environmental Sciences of Ukraine are implemented in cooperation with one of the largest distributors of technologies and equipment for renewable energy, Atmosfera LLC. A training program "Installer of photovoltaic stations" was jointly developed as a component of the institute's non-formal education platform. The developed online platform with educational materials of the project VET4GSEB provided an opportunity to gain skills in the installation and maintenance of photovoltaic systems. The application integrated multimedia lectures, practical and video materials that helped participants better understand the theoretical and practical aspects of training, the ability to communicate with trainers and other participants of the course, which created a favorable environment for the exchange of experience and discussion of practical issues. In order to assess the acquired knowledge by the participants, the final certification was carried out on the platform. To obtain a certificate, it was necessary to collect at least 80% of the correct answers. The speaker emphasized the importance of creating tools for distance learning that allow training qualified specialists to work in the field of renewable energy.

The participants passed testing and received certificates **EuroPass within the framework of the project ERASMUS+ «Vocational Education and Training for Green and Smart Energy in Buildings».**



«Професійно-освітнє партнерство для екологічної, розумної електрики в будівлях» розроблено до конкурсу: ERASMUS-EDU-2022-CB-VET — Розбудова потенціалу в галузі професійно-технічної освіти та навчання (VET).

VET4GSEB

Train VET trainees for green, digital soft skills and competences via innovative training methods

VET4GSEB Aim: The project will create innovative approaches and training materials, including training materials, case studies, and a handbook for trainers and students.

Main objectives: The main objective of the VET4GSEB project is to provide professional and digital skills training for VET trainees in the field of green and smart electricity in buildings, including energy efficiency, energy storage and smart grids.

Discards:

VET4GSEB - UKRAINE

Увійти: Налаштування | Увімкнено | Журнал подій | Завантажити | Вийти

Загальне

Активувати

МОДУЛЬ 1: ВСТУП

Модуль 1.1 Інформація про...

Модуль 1.2

Модуль 1.3

Модуль 1.4

Матеріали для навчання...

Тест 1 - Модуль 1

Цифрові інструменти 1

МОДУЛЬ 2. М'які навички

Модуль 2.1

Модуль 2.2

Загальне

Активувати

МОДУЛЬ 1: ВСТУП

Модуль 1.1 Інформація про проект VET Partnership For Green and Smart Electricity in Buildings

Модуль 1.1 Інформація про проект VET Partnership For Green and Smart Electricity in Buildings

Міжнародна науково-практична конференція «Фотовольтаїка: інноваційна освіта та ринок праці»
5 листопада 2024, Київ, Україна
Project 101092226 – VET4GSEB – ERASMUS – EDU – 2022 – CB – VET

Co-funded by the European Union

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Нотатки до слайда









The conference highlighted important aspects of the development of PV systems, emphasizing their role in ensuring energy independence and the transition to sustainable using of energy resources.