

Professional Association of Environmentalists of the World  
(PAEW)



# PAEW'S ACTIVITIES IN 2023

A brief 2023 report on PAEW's work  
in Ukraine and cooperation with foreign  
organizations and companies

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PAEW

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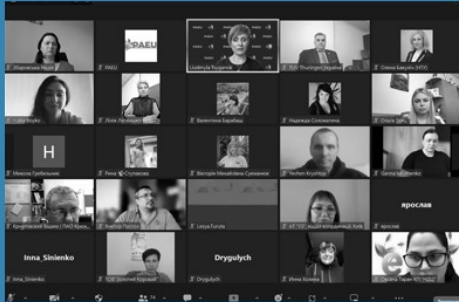
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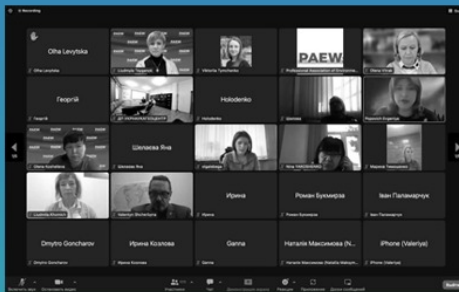
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# PAEW

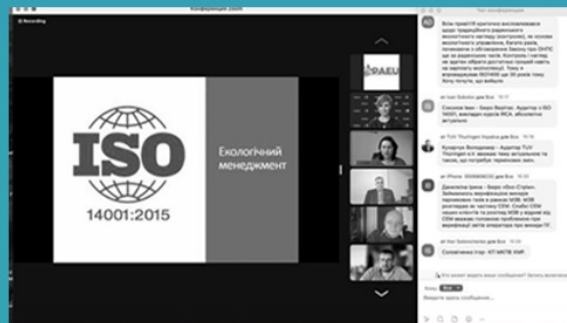


Throughout the year, PAEW initiated regular training seminars, courses, webinars, and roundtables on the most important and problematic topics.

**Below are some of the educational activities we have conducted:**

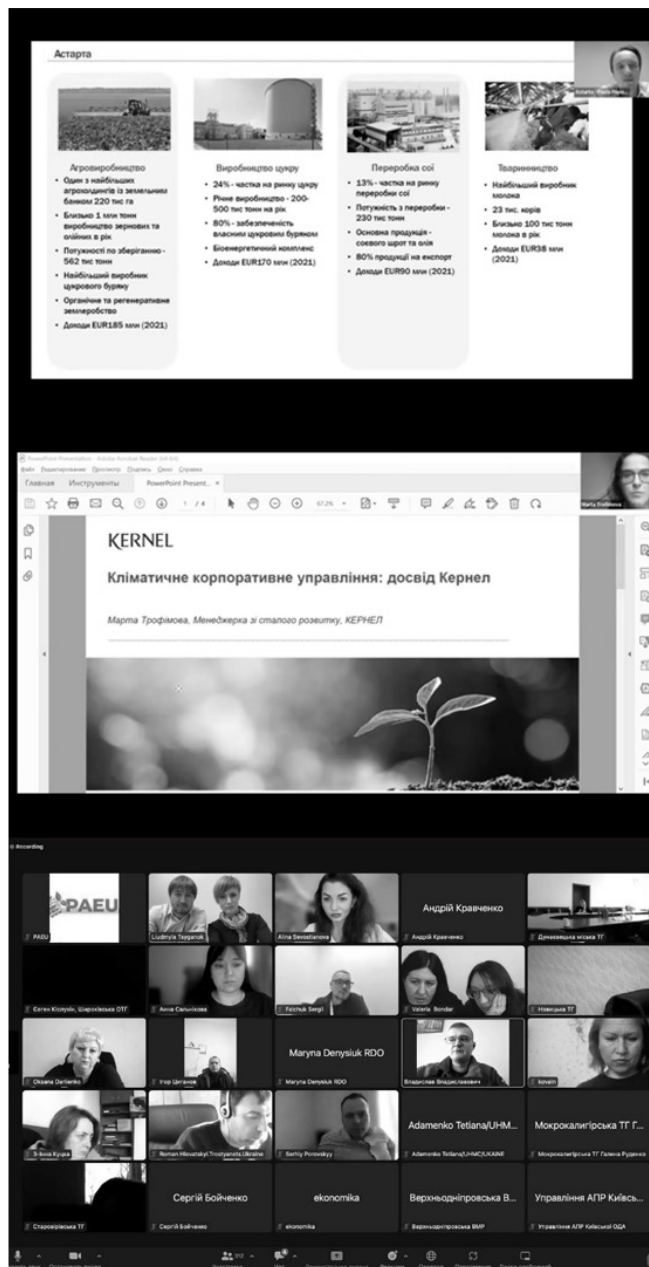


- Webinar-discussion **"International environmental standards at the enterprise and environmental management systems: unnecessary costs or a step towards sustainable development?"**
- Interregional training and practical forum **"Forests of Ukraine: European integration, war, climate change and modern reforms"**
- Roundtable discussion **"Reforming the environmental control system in Ukraine in 2023: a reset?"**
- Practical conference **"Business and waste management reform: hot issues of 2023"**



# OUR MAJOR PROJECTS AND ACTIVITIES

In February-March, **PAEW** conducted a **study of the effectiveness of regional environmental departments**. The research was conducted to analyze the effectiveness of environmental departments in different regions and cities of Ukraine, to identify their transparency, environmental orientation and focus on people. It was necessary to do to eliminate mistakes and establish effective work of the departments.



On 23 February, the III Annual Forum "Agricultural Complex 2023: War, European Integration, Environmental and Climate Challenges" was held online.

The forum had more than 600 registered participants, of which more than 300 people worked on solutions for the eco-transformation of the agricultural sector during the 8-hour working marathon.

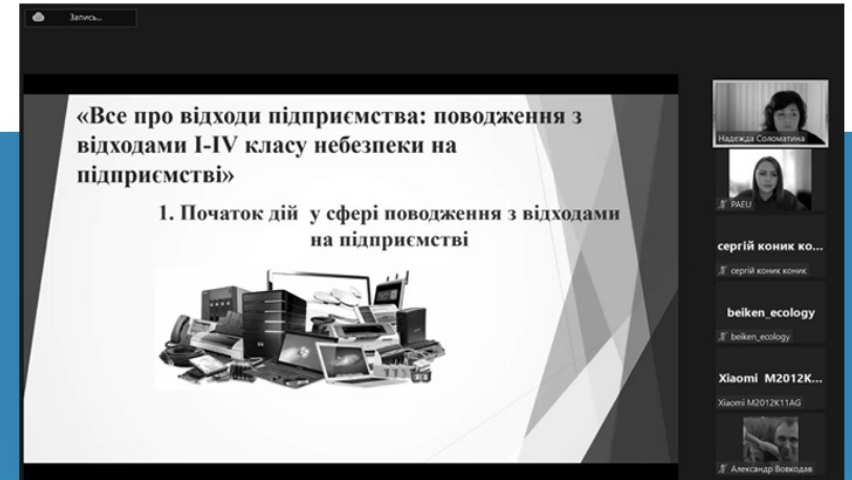
At the end of the forum, a resolution was drawn up to regulate agricultural activities, which is necessary to ensure the environmental safety of agricultural production.

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PAEW experts conducted corporate training - the **course "All about enterprise waste: management of hazard class I-IV waste at the enterprise"** for **Beiken Energy Ukraine LLC**, one of the largest Chinese drilling companies in Ukraine.

In March, the **Professional Association of Environmentalists of the World** initiated an international study tour for **Ukrainian specialists**. As part of the tour, a Ukrainian delegation led by PAEW visited companies in Germany, Luxembourg, and Italy.

On 20 March, the Ukrainian-Luxembourg Conference **"Energy Efficiency in Industry and Agriculture"** was held, which was attended by leading Ukrainian and Luxembourg companies, including Luxlait, De Verband, Kiowatt, Ceratizit, Moulins de Kleinbettingen, Accumalux, and SES.



**PAEW organized a delegation of Ukrainian entrepreneurs to visit CERATIZIT's production facility in Luxembourg in March.**

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Representatives of Ukrainian companies were able to see how the new energy concept for the production building in Mamer, Luxembourg, significantly reduces energy consumption. This experience is very valuable, especially in the context of Ukrainian realities, and the Ukrainian specialists from the delegation will apply these ideas to their companies in Ukraine.

As part of the Project for Establishing Long-term Cooperation between Ukrainian and European Businesses and Exchange of Experience, launched by PAEW together with the GIZ Ukraine project "Promoting Energy Efficiency and Implementation of the EU Energy Efficiency Directive in Ukraine", a **Ukrainian delegation visited DE VERBAND** in Luxembourg on 21 March.

The visit was facilitated by the LUCC (Luxembourg-Ukrainian Commerce of Chamber) under a memorandum of cooperation with PAEW.



As part of a study tour a **delegation of Ukrainian entrepreneurs and professionals visited RWE**, a German company that is a leader in green electricity in Germany.

**Representatives of the Professional Association of Environmentalists of the World visited the K.EY ENERGY exhibition together with representatives of Ukrainian business as part of a study tour to Europe (Germany, Luxembourg, Italy) organized by PAEW.**



Ukrainian delegation had a chance to developed its network and business, initiated numerous negotiations with quality certification bodies, in particular on the construction of environmentally friendly schools and kindergartens, and **signed a memorandum of understanding with the Green Building Council of Italy (GBC Italy) on cooperation in the development of organic construction for the green reconstruction of Ukraine.**

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On 27 April, the sectoral forum **"ECOTRANSFORMATION OF SUBSOIL MANAGEMENT-2023: Legislation, Solutions, Best Practices"** was organized in Lviv.

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The forum gathered more than 500 participants offline and online.

PAEW team joined the project **"Eco-journalism without rubbish"**. The training course for local journalists gathered more than 100 participants. The Association's experts were happy to share their experience and transfer knowledge on EIA and biodiversity, air and water protection, environmental control, environmental finance, etc.

PAEW held a **grant competition "Promoting Applied Education of Future Professionals in the Field of Sustainable Development and Environmental Security"**, as a result of which 10 educational institutions were granted an annual subscription to the Association's professional magazine "SUSTAINABILITY LEADER'S GUIDE".



# PAEW

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The **Austrian Federal Ministry** for Climate Protection, Environment, Energy, Mobility, Innovation and Technology **invited a Ukrainian delegation to visit Austrian companies** twice in 2023 at the initiative of PAEW to discuss with government officials pressing issues and challenges in the environmental and energy sectors and to share experiences. The visits took place in May and September this year. **During both visits, Federal Minister Leonore Gewessler met with the Ukrainian delegation.**

(in the middle of the photo)



In May, a **delegation formed by PAEW was invited by the Environment Agency Austria for a 4-day visit to study Austria's experience in environmental protection.**

During the visit, the delegation interacted with:

**Umweltbundesamt (Austrian Environment Agency), SolarCity Linz (Austria), JTC.** More information about them below, in the section about our international partners.

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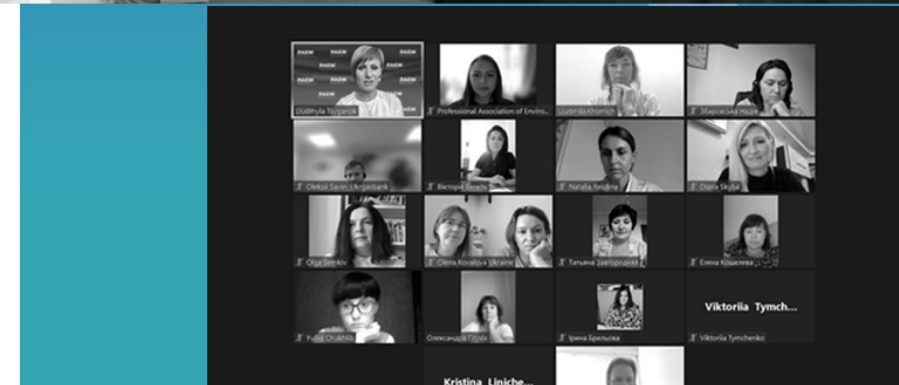
On the occasion of the World Environment Day, PAEW organized a **forum "Women's Leadership for Environmental Protection and Sustainable Development"** and honored **100 female environmentalists with the Green Heart Leader Award**. The project was initiated by PAEW with the assistance of the United Nations Development Program (UNDP) in Ukraine under the UN Recovery and Peacebuilding Programme, with financial support from the European Union, to demonstrate the impact of more women on sustainable decision-making.



PAEW initiated the **National Annual Congress of Environmentalists in Kyiv on the topic "Environmental Safety of Business 2023. Communities in the restoration of the environment"**. The Congress brought together several hundred environmental experts from all over Ukraine in a live format and online (ecologists, engineers, lawyers, specialists of environmental departments). More than 200 community experts also joined the work of this professional platform to summarize the results of the first half of the year and develop effective solutions to accelerate reforms.



On 28 July, the **National ESG League** was established at the meeting of the ESG Practices working group at PAEW on the World Environment Day and the Day of Ukrainian Statehood. "The ESG League should become platform for ideas coming from business and a bridge between society, business and the state.

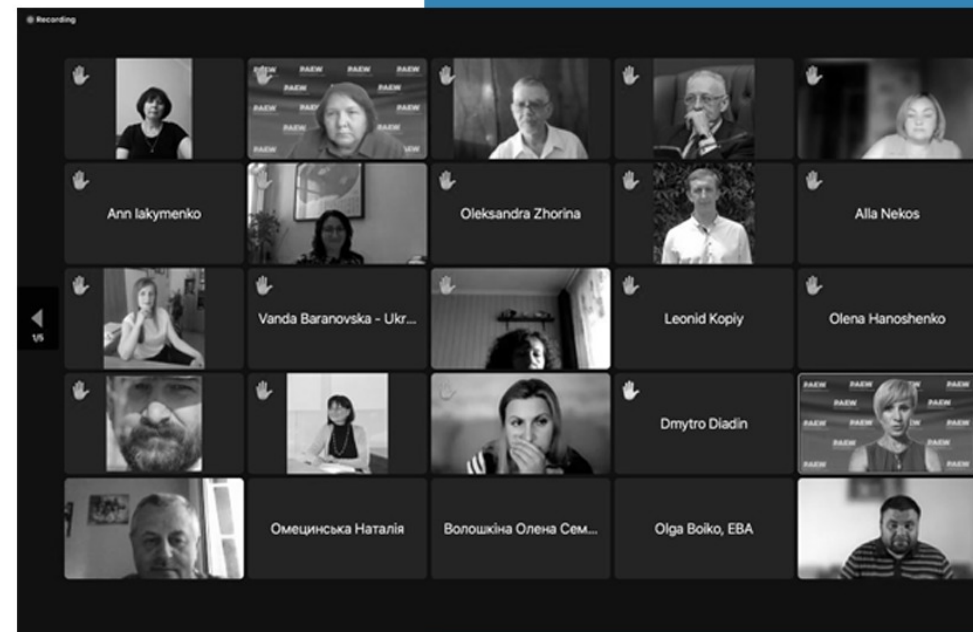


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**PAEW has made a strong recommendation to the Ministry of Education and Science of Ukraine to prevent the merger of the study programs "Ecology" and "Geography".**

The Association initiated a meeting of the scientific committee, which was attended by leading representatives of environmental education and science (more than 70 leaders and representatives of universities that train professional ecologists), as well as environmentalists from leading industrial and energy companies and environmental business, public associations (182 participants in total).

All the participants opposed the merger of geography and ecology in the fields of science and education. Thanks to joint efforts, the speciality of Ecology was preserved as a separate study at universities.



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**PAEW supported the launch of «Ecotransformation»**, Ukraine's first sustainable solutions platform and service for businesses and communities.

**PAEW**

The **study tour to Austria in September** was dedicated to the topic of energy and energy efficiency, so we cooperated with the Austrian Energy Agency. The PAEW delegation visited the **Simmering power plant, municipality of Vienna, Voestalpine company, Norske Skog Bruck and Boehringer Ingelheim** (more information below).



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At the initiative of PAEW and with the help of our partners, the annual **water forum "Water in industry and agriculture in the context of war and climate crisis"** was held on 26 and 27 September. Representatives of enterprises, water utilities, environmental departments, scientists, as well as representatives of the Office of the President of Ukraine, the Supreme Court of Ukraine, the Office of the Prosecutor General, ministries and agencies, communities, etc. were invited to participate in the dialogue, exchange of experience and development of solutions.



The nationwide unity event **"Water Day"** was initiated by the **Association of Environmental Professionals PAEW** on 29 September to draw attention to water supply, water quality and create a demand for clean water as a guarantor of national security. The Water Day initiative to clean up the coastal strips of water bodies brought together the most active communities, businesses, local authorities, regional environmental inspectorates, educational institutions and all those who care about water conservation and providing clean water to the population.



**56 тис. тонн**

Викиди від зруйнованої російської техніки. Це як дві статуї Свободи, перетворені на пил і викинуті в атмосферу



**\$8,7 млрд**

Втрати сільського господарства внаслідок війни: спалені поля, знищена та розкрадена техніка тощо



**30 років**

буде потрібно для повного розмінування



**119,1 млн тонн**

**CO<sub>2</sub> екв.**

Викиди парникових газів через війну. Це як у мирній Бельгії



**30%**

території України заміновано



**49 шахт**

на Донбасі затоплені і більше не зможуть працювати

**The Professional Association of Environmentalists of the World supported the initiative to conduct a study on the impact of the war on the ecosystem of Ukraine.**

This is the first time such a study has been conducted and it is extremely important for informing the world about how the war is destroying the Ukrainian environment and Ukraine's recovery needs. The results of the study are presented in an infographic format to show how the military operations are destroying conservation areas, harming people's health, and how much money and time will be spent on restoration.

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At the end of October, **PAEW President Liudmyla Tsyganok** took part in several important international conferences in Berlin. The conferences were devoted to the topic of energy, as well as to the rebuilding of Ukraine.

The conference **"Energy has no gender"**, organized jointly by Women's Energy Club, GIZ Ukraine and the Ministry of Energy of Ukraine, brought together women professionals in the energy sector to discuss challenges and develop solutions for eco-transformation, decarbonization and energy efficiency.



At the invitation of the Italian Chamber of Commerce and Industry in Ukraine and FederCamere, **PAEW President** spoke at the international three-day forum **Reconstruction of Ukraine**, where she shared the Association's vision of the principles of post-war reconstruction of Ukraine.



We pay special attention to the issues of professional development and professional growth of specialists. For this purpose, **we held the following training courses in 2023:**

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- Training course **"Organization of the sanitary protection zone in 2023"**
  - Special course for environmental engineers **"Industrial ecology and risk prevention 2023"**
  - Training course **"Hazardous waste management at enterprises and institutions"**
  - Training course **"Verification of the operator's report on greenhouse gas emissions"**
  - Intensive course **"Rules and requirements for the technical operation of gas treatment plants"**
  - Express training course for waste management specialists **"Waste management at the enterprise"**
  - Training course **"Environmental law and practice in wartime"**
  - Course **"English for environmental professionals"**
  - Training course **"Environmental law for design engineers in construction"**
  - Webinar **"Emissions Permit: Restart"**
  - Training **"SMART WASTE-MANAGEMENT OF SUPERMARKETS"**
  - Seminar **"Air protection and environmental measurements: Legal regulation and practical aspects"**

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**The Professional Association of Environmentalists of the World operates in all regions of Ukraine, so we actively cooperate with the specialized departments and offices of regional and city councils. Our partners are:**

- Department of Territorial and Infrastructure Development of Vinnytsia Regional State Administration
- Vinnytsia City Council
- Department of Ecology and Natural Resources of Volyn Regional State Administration
- Department of Ecology of Lutsk City Council
- Department of Ecology and Natural Resources of Dnipro Regional State Administration
- Department of Environmental Safety of Zaporizhzhia City Council
- Department of Ecology and Natural Resources of Zhytomyr Regional State Administration
- Zhytomyr City Council
- Department of Ecology and Natural Resources of Zakarpattia Regional State Administration
- Department of Ecology and Natural Resources of the Kyiv City Council
- Department of Ecology and Natural Resources of the Lviv Regional State Administration
- Department of Ecology and Natural Resources of the Department of Urban Planning of the Lviv City Council
- Department of Ecology and Natural Resources of the Mykolaiv Regional State Administration
- Department of Ecology and Natural Resources of Odesa Regional State
- Department of Ecology and Development of Recreation Areas of the Odesa City Council
- Department of Ecology and Natural Resources of the Poltava Regional State Administration
- Poltava City Council
- Department of Ecology and Natural Resources of the Rivne Regional State Administration
- Sumy City Council
- Department of Ecology and Natural Resources of the Ternopil Regional State Administration
- Ternopil city council
- Department of Environmental Protection and Nature Management of the Kharkiv Regional State Administration
- Department of Ecology of Khmelnytskyi City Council
- Chernivtsi City Council
- Department of Ecology and Natural Resources of the Chernihiv Regional State Administration
- Chernihiv City Council

Over the past year, PAEW has been developing and growing not only within Ukraine but also internationally. **The Association's systematic cooperation with foreign partners from Europe and America allows us to study international experience in eco-transformation, industrial decarbonization, energy efficiency, use of green technologies and innovations in various industries.**

International experience and expertise from the world's leading industrial companies, as well as the support of foreign professional organizations and specialists, are extremely important for Ukraine on its path to green recovery and sustainable development.

Together with partners, we implemented: \_\_\_\_\_

**A project to develop a comprehensive online monitoring system for waterways in Chernihiv Oblast:**

- World Data Centre "Geoinformatics and Sustainable Development"
- Association of Environmental Professionals (PAEW)
- with the assistance of UNDP - the United Nations Development Program (UNDP) in Ukraine under the Recovery and Peacebuilding Program with financial support from the Government of Sweden.



**PAEW**

More information in the video  
[https://youtu.be/WIO2\\_SUsJl](https://youtu.be/WIO2_SUsJl)

## Partners of the Association:

**Ecologists Without Borders (EcoWB)** is an American non-profit organization that brings together people with knowledge and experience in the field of ecology. Since its founding in 2011, EcoWB has grown into an international network of more than 600 expert volunteers who provide environmental assistance to communities at risk around the world. We have been working with one of EcoWB's founders, **Larry Dominguez**, for over a year now. In the spring of 2023, Larry came to Ukraine, and during a personal meeting and conversation, we realized that our organizations have significant potential for expanded cooperation. Therefore, **since the summer of 2023, PAEW and EcoWB have been official partners, whose cooperation is set out in a Memorandum of Understanding.**

EcoWB representatives are regular participants in our forums, conferences, and webinars. Larry Dominguez, in particular, presented the US National Environmental Policy Act (NEPA) at an open meeting of Ukrainian environmentalists with their American colleagues in May this year. At our Water Security Forum, Mr Dominguez spoke on "Consistency and Rigor of Analysis to Determine Potential Impacts on Water Resources at Different Levels of Regulation", where he described the principles of work tested by the United States that could work for Ukraine.

**Cooperation with EcoWB is ongoing, and the organization supports PAEW with its goals in Ukraine by facilitating our international connections, particularly in the United States.**



**Luxembourg-Ukraine Chamber of Commerce A.s.b.l. «LUCC»** is a non-profit organization established in 2017 in the Grand Duchy of Luxembourg to promote business relations between Ukraine and Luxembourg.

In March 2023, **PAEW (the Professional Association of Environmentalists of the World)** and the **Luxembourg-Ukraine Chamber of Commerce (LUCC A.s.b.l)** signed a **Memorandum of Cooperation** to help accelerate the green transition, provide a platform for support and exchange of information, knowledge and experience between our members - the business community in both countries. Within the framework of the Memorandum, the Association and the Chamber organize joint initiatives to exchange experience between Luxembourg and Ukrainian colleagues.



ТОРГОВО - ПРОМИСЛОВІ ПАЛАТИ  
ІТАЛО - ЗАКОРДОННІ ТА ЗАКОРДОННІ В ІТАЛІЇ  
СЕКЦІЯ УНІОНКАМЕРЕ

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**The Italian Chamber of Commerce and Industry in Ukraine** (La Camera di Commercio Italiana per l'Ucraina) was established to support and promote the development of commercial exchanges and economic cooperation between Italy and Ukraine.

The Chamber has representative offices in Kyiv and Turin (Italy). **The Chamber cooperates with PAEW to increase business opportunities between Ukraine and Italy, in particular to find new partners among Ukrainian and Italian companies.**

**CERATIZIT** (Mamer, Luxembourg, headquarters) is a high-tech engineering group specializing in cutting tools and hard materials. **DE VERBAND** is a Luxembourg-based company that has been operating since 1909 and is a commercial cooperative. DE VERBAND operates outside Luxembourg and is also active in Germany, Belgium and France. DE VERBAND has achieved very strong growth over the past decades. DE VERBAND's activities are organized into three business areas and are managed inter-company. DE VERBAND became the first officially recognized GMP+ feed manufacturer and grain trader in Luxembourg in 2002. As such, DE VERBAND has taken on a pioneering role in the Luxembourg agricultural sector in the implementation of modern quality management methods. The company's feed production and grain trading operations are now certified to the most consistent and stringent quality standards in Europe and are recognized at the highest level.



**K.EY ENERGY** is a platform for green solutions, the leading exhibition for energy and sustainable mobility for the past 8 years. Together with Ecomondo, it is the most important discussion platform in the Mediterranean basin for European and international green strategy and solutions.

**RWE** Company. As part of a study tour organized by PAEW and covering Germany, Luxembourg and Italy, a delegation of Ukrainian entrepreneurs and professionals visited RWE, a German company that is a leader in green electricity in Germany. The company shared its experience in implementing emission reduction targets for its own operations and for the entire value chain.

PAEW effectively cooperates with Austrian government agencies. For example, the **Austrian Federal Ministry for Climate Protection, Environment, Energy, Mobility, Innovation and Technology** actively cooperates with us and has twice invited PAEW delegations to study tours to Austria. During the study visit in May, the PAEW delegation interacted with: **Umweltbundesamt** (Austrian Environment Agency), which provides advisory services in a wide range of areas, mainly in the areas of climate change mitigation and adaptation, energy efficiency and renewable energy, air quality, water quality and resources, etc.



**SolarCity Linz (Austria).** Using the example of the SolarCity Linz eco-city, a Ukrainian delegation initiated by PAEW, the Ministry of Ecology and the top management of the State Environmental Inspectorate, studied the environmental criteria used in the construction and design of the city during a study visit to Austria.

**JTC (Austria)** is a company that manufactures air monitoring equipment. During the first study tour to Austria, the PAEW team had a fruitful discussion on possible areas of cooperation with the company's owner. A dialogue on potential joint initiatives is ongoing.



The study tour to Austria in September was dedicated to the topic of energy and energy efficiency, so we cooperated with the **Austrian Energy Agency**.



The **PAEW delegation visited the Simmering power plant in Vienna, Austria**. The Simmering power plant first started supplying in 1902.



Today it is one of the most modern and environmentally friendly facilities in Europe. Since 2009, the environmentally friendly system has been supplying electricity to 730,000 households and more than 7,000 legal entities.



As part of the September visit, the PAEW delegation also visited the municipality of Vienna, where we learned about energy efficiency measures and the city's path to decarbonization.



**Voestalpine** is an Austrian steel and metal company. The company operates worldwide and has more than 50,000 employees. For decades, Voestalpine has been seen as a benchmark for sustainability and efficiency in the steel industry and a commitment to global climate targets to avoid CO2 emissions. **Our delegation visited Voestalpine on the third day of the study tour and had the opportunity to learn about the design of the electrolyser and electric arc furnace.**



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**Norske Skog Bruck is another company that the Association interacted with during the study tour in Austria.**

Norske Skog Bruck is a plant of the Norwegian paper manufacturer Norske Skog and is located in Bruck an der Mur in Styria.

The plant specializes in the production of newsprint and is considered one of the largest producers in Europe.

The Bruck an der Mur facility is known for its environmental initiatives and has improved its energy efficiency and increased its use of renewable energy sources in recent years.



**PAEW's delegation had the opportunity to visit the company to learn about its experience in sustainability and energy efficiency.**

**Boehringer Ingelheim** is a company working on breakthrough therapies that change lives today and for future generations. As a leading research-based biopharmaceutical company, the company creates value through innovation in unmet medical needs.

During our September visit to Austria, PAEW President Liudmyla Tsyganok visited the **UN Headquarters**, which is home to the **International Atomic Energy Agency (IAEA)**, the United Nations Commission on International Trade Law (UNCITRAL), and the United Nations Industrial Development Organization (UNIDO), The United Nations Office on Drugs and Crime (UNODC), the Office of the United Nations High Commissioner for Refugees (UNHCR), the United Nations Office for Outer Space Affairs (UNOOSA), and the Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO).



As part of the working visit, there was a meeting **to discuss tendencies of changes in the radioecological situation in Ukraine and ways to overcome the consequences of the Chernobyl disaster.** Thanks to consolidated efforts and constructive cooperation with international organizations, authorities, experts and scientists, we hope to achieve significant progress in overcoming the consequences of the Chernobyl disaster in Ukraine in terms of updating the level of radiation contamination of land and its further use.

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The Embassy of the Kingdom of the Netherlands in Ukraine supports the Association's initiatives, and we cooperate on joint projects, including the most recent ones: The Forum "Water in industry and agriculture during the war and climate crisis" - **the Embassy became a partner of the forum** and invited the Dutch expert Martijn de Klerk from the **FutureWater company** to speak at the event.



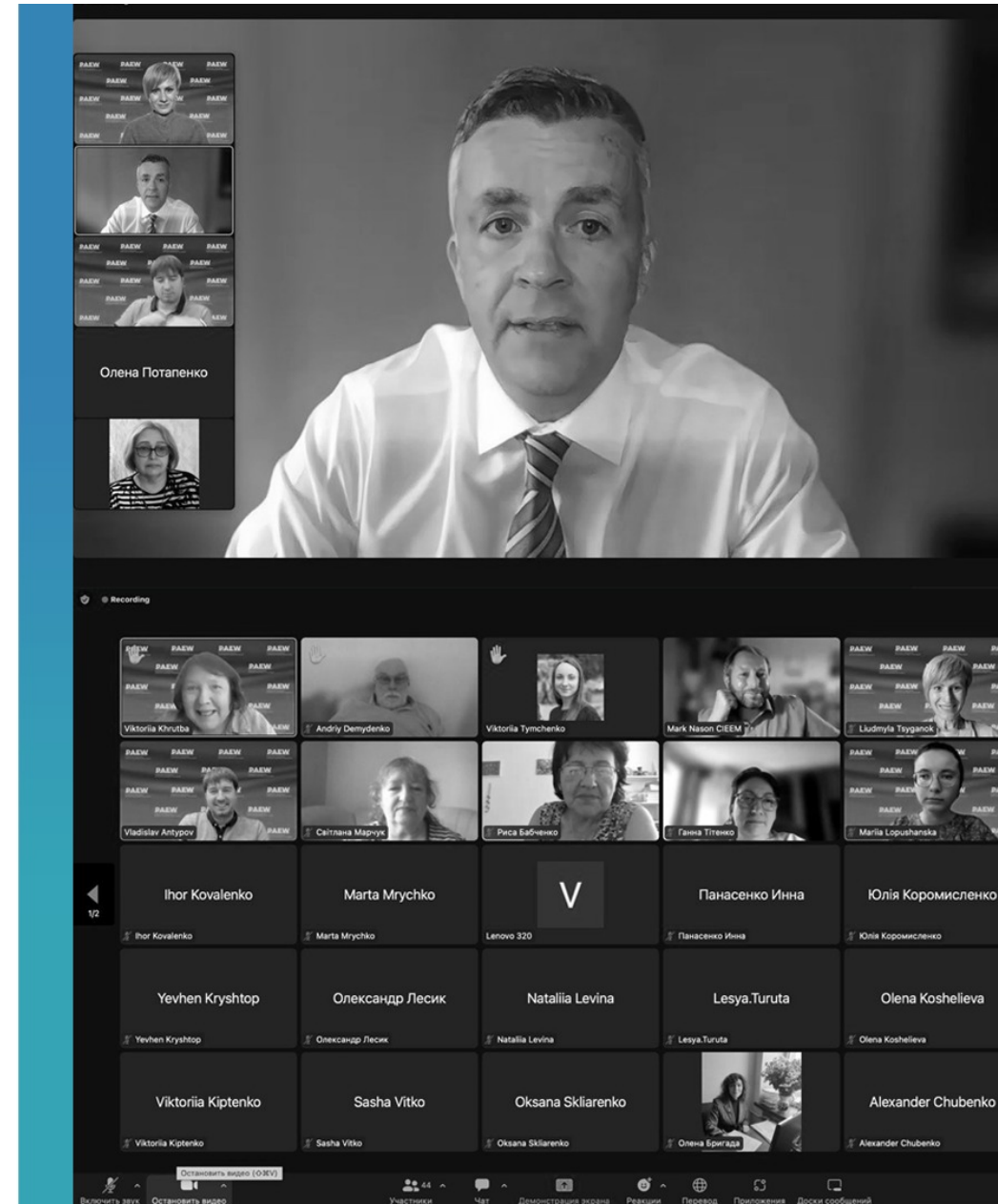
With the support of the Embassy of the Netherlands, the Association organized the All-Ukrainian Water Day - a campaign to clean up the coastal strips of water bodies.

The Embassy of Israel in Ukraine also contributes to our initiatives. In particular, the Embassy provides information support for the Association's initiatives and facilitates the establishment of cooperation between Israeli and Ukrainian companies that cooperate with PAEW. Vyacheslav Shmulevich, a representative of the Israeli company **Mekorot - Israel National Water Company**, took part as a foreign expert in the PAEW forum "Water in industry and agriculture during the war and climate crisis". **Jenna Jadin**, representative of **FAO Ukraine**, as well as **Zinke Alexander**, representative of **EU4Environment - Water Resources and Environmental Data Programme and Environment Agency Austria**, also took part in the event.

**Andrew Moncur, CEO of Igneous Solutions Ltd**, energy transition expert, investor, fundraiser and entrepreneur, held a special webinar at the invitation of PAEW on "ESG as a sustainable solution for the energy transition and resource industry".

**CIEEM (Chartered Institute of Ecology and Environmental Management (UK))** is the leading professional membership organization representing and supporting environmentalists and environmental managers in the UK, Ireland and abroad. In July 2023, Dr Mark Nason, an expert of the organization, held a webinar specifically for PAEW on "How to develop an environmentalist competency framework to raise standards of professional practice: international experience".

Another international partner with which the Association has a Memorandum of Cooperation is **Global Commercial**, and in particular, active cooperation is conducted with expert **Oleksandra Karyagina, Senior Licensing Manager**.



## Foreign experts are also members of the editorial board of our magazine - "Sustainability Leaders Guide"

- **Dariusz Prasek, Director at Sustainability Advisory Services**
- **Hjertenaes Valeriya, WBAF International Partner for Norway/ Global Women Leaders Committee. Head of Cooperation Projects Norway/Ukraine at Royal Norwegian Honorary Consulate**
- **Kate Brandt, Chief Sustainability Officer at Google**
- **Øistein H. Jensen, Chief Sustainability Officer at Odfjell SE**
- **Tatjana Gerling, Sustainability, Impact Investing, ESG**