



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



GREEN INDUSTRIAL RECOVERY THROUGH MUNICIPALITY-BASED DEVELOPMENT IN UKRAINE

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7 September 2026

UNIDO-CARPATHIAN CONVENTION COOPERATION

UNIDO and the Secretariat of the Carpathian Convention, administered by the United Nations Environment Programme (UNEP), signed a **joint declaration in October 2023** to strengthen cooperation for the protection and sustainable development of the Carpathian region:

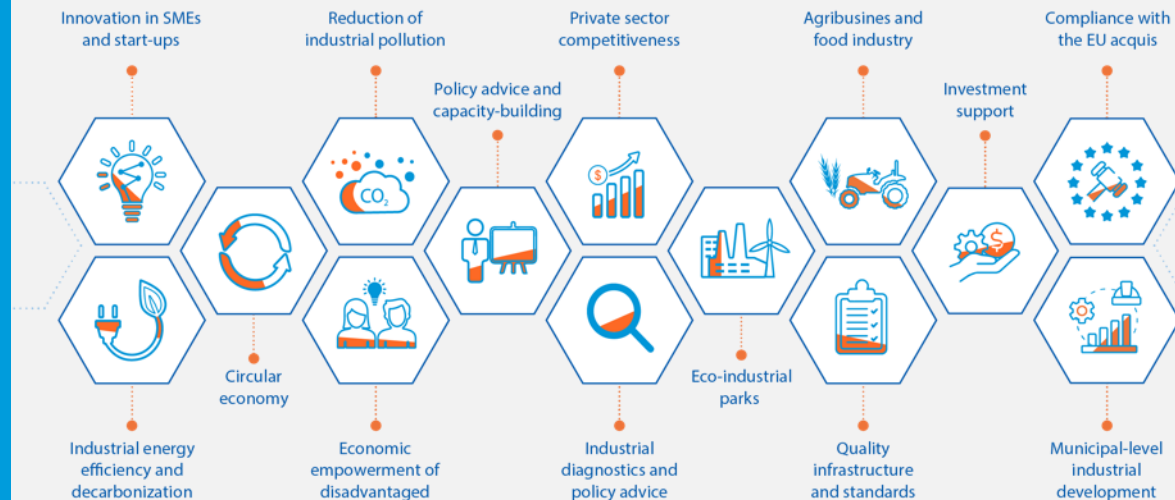
- A broad and practical framework covering circular economy, cleaner production, waste and water management, clean energy, agro-industrial value chains, biodiversity, investment and technology transfer and skills and industrial policy
- Cooperation takes the form of joint projects, exchange of expertise and technologies, policy cooperation, business linkages and capacity-building
- Builds on a long-standing and fruitful relationship with the Carpathian Convention family, now translated into concrete, operational work on the ground



Our work in Ukraine

UNIDO's work in response to the war in Ukraine is part of the Organization's long-standing commitment to the country's **sustainable industrial development, economic growth, social well-being and environmental sustainability.**

For many years, UNIDO has been contributing towards improving and greening the productive capacities of Ukraine through **industrial policymaking, technical cooperation, capacity-building, peer learning, knowledge transfer and private sector engagement, among others.**





UNIDO GREEN INDUSTRIAL RECOVERY PROGRAMME FOR UKRAINE 2024-2028

The Government of Ukraine and UNIDO jointly developed and launched the **green industrial recovery programme 2024-2028**

1. **Creating opportunities for people**
2. **Fostering a green economy**
3. **Supporting business and attracting investments**

Aligned with the Government's early recovery priorities, policy reform vision, national sectoral strategies and the United Nations Sustainable Development Cooperation Framework for Ukraine 2025-2029.

10 ongoing projects

\$210M gross value

50 UNIDO experts in Ukraine, incl. **16** Regional Development Coordinators



THROUGH GREEN INDUSTRIAL RECOVERY PROGRAMME:

WE CREATE OPPORTUNITIES FOR PEOPLE

- To restore the livelihoods of war-affected vulnerable groups
- To provide the needed technical and vocational skills to displaced persons and returnees
- To support the reintegration of people with disabilities into the labour market
- To assist policymakers in crafting policies to stimulate human-centred industrial growth that are compliant with the EU acquis
- To promote skills development to overcome labour shortages in industry

WE FOSTER A GREEN ECONOMY

- To steer industries in the application of resource-efficient and cleaner production practices
- To reduce waste generation and promote recycling
- To improve access to renewable energy for productive use
- To accelerate energy efficiency and decarbonization in industry
To support the reduction of industrial pollution
- To support the introduction of circular economy principles and practices

WE SUPPORT BUSINESSES AND ATTRACT INVESTMENTS

- To foster the development and resilience of micro-, small, and medium-sized enterprises (MSMEs)
- To strengthen Ukraine's export capacities
- To promote Ukrainian products and facilitate access to regional and global markets
- To restore and establish value and supply chains in key industrial sectors
- To foster innovation-driven business ecosystems
- To create opportunities for technology transfer and business co-creation

GREEN INDUSTRIAL RECOVERY THROUGH MUNICIPALITY-BASED DEVELOPMENT IN UKRAINE

Output 1.1

Need-based policy options for national green recovery agenda identified and support mechanisms enhanced.

Output 1.2

Capacities of the selected Ukrainian municipalities and national Quality Infrastructure Institutions strengthened through the promotion of specific standards and technical regulations for green reconstruction.

Output 1.3

International green recovery know-how and transfer of best practices piloted through municipality twinning and MSME partnerships.

Output 1.4

Replicable and bankable municipality-driven up-scaling projects developed and promoted.

Output 1.5

Green recovery and sustainable local development in rural municipalities of the Ukrainian Carpathian promoted through partnerships and transfer of best practices.

Objective:

Strengthen the capacity of public sector and government institutions at the national and municipality levels to facilitate green industrial recovery.



Budget:

EUR 2,400,000
German Federal Ministry for Economic Cooperation and Development (BMZ)



Duration:

Oct 2024 – Dec 2026 (27 months)



Main counterpart:

Ministry of Economy and Environment (*coordinating entity*)



MINISTRY OF ECONOMY
AND ENVIRONMENT OF UKRAINE



GREEN INDUSTRIAL RECOVERY THROUGH MUNICIPALITY-BASED DEVELOPMENT IN UKRAINE (KEY RESULTS SO FAR...)

POLICY

Policy needs assessment concluded, and recommendations elaborated, covering 30 municipalities from all oblasts



STANDARDS

Implementation of the National Guiding Framework on Standards and Technical Regulations for Green Reconstruction & establishing an Expert Hub for outreach and sustainability

GREEN SOLUTIONS

7 pilot initiatives launched in areas such as water, energy and waste management, including direct engagement of 12 municipalities in 8 oblasts and 19 European partners



CARPATHIANS

UNEP promoting collaborations, twinning and capacity building in the Carpathian Region and with the Alpine countries with interventions in Rakhiv Municipality (waste management)

PARTNERSHIPS

Strategic engagement with Kehl University (through accredited training programme), Steinbeis Foundation and CEMR to upscale results and impact





GREEN INDUSTRIAL RECOVERY THROUGH MUNICIPALITY-BASED DEVELOPMENT IN UKRAINE (KEY RESULTS SO FAR...)

- **GREEN SOLUTIONS / Pilot municipality partnership projects:** 7 pilot projects combining capacity building, study tours, strategic planning, and **pre-feasibility studies or investment/business plans to attract financing and strengthen municipal capacities:**

Pilot locations and topics: 1) **Smila** - Energy efficiency, 2) **Sumy, Chernihiv & Kharkiv** - Urban mining, 3) **Bilhorod-Dnistrovskiy** - Water & energy solutions, 4) **Khmelnitskyi** - Industrial waste reuse, 5) **Brovary** - Wastewater treatment, and 6) **Truskavets, Boryslav & Drohobych** - Biogas development, and 7) **Nationwide** (with Ukrvodokanaltekhologiya) – sustainable water management.

Collectively, these pilots serve as demonstrative models of how international partnerships can accelerate sustainable recovery and lay the foundations for long-term economic growth in Ukraine.

One of pilot municipality partnership projects focuses on the municipalities of **Drohobych, Boryslav and Truskavets in Lviv Oblast**, which are part of the **Ukrainian Carpathian region**.

Powering the Future Together: Advancing Biogas Innovation through Inter-Municipal Cooperation in Truskavets, Boryslav, and Drohobych

POWERING THE FUTURE TOGETHER: ADVANCING BIOGAS INNOVATION THROUGH INTER-MUNICIPAL COOPERATION IN TRUSKAVETS, BORYSLAV, AND DROHOBYCH

Focus area: Biogas technologies for local recovery and development.

Challenge / Municipal Need: The project is driven by the growing demand for renewable energy sources and modern waste management solutions, and the necessity to reduce greenhouse gas emissions in line with climate change commitments.

Pilot Objective: Building the institutional knowledge and technical readiness and creating the basis for sustainable biogas production for the target municipalities

Key Activities: Waste (feedstock) assessment, capacity building through a study tour to a partner municipality in Germany, training programme on biogas technology specifics and respective projects' development (5 training sessions and workshop), expert support, and pre-feasibility study.

Pre-feasibility study for the establishment of biogas production, including identification of technology and production solutions, considering the results of waste (feedstock) assessment and local energy demand, cost-benefit analysis and calculation of key indicators, techno-economic model, regulatory analysis, and estimation of investment needs and potential financing options.

Estimated investment: To be determined through the pre-feasibility study.

Potential investment: Conducting a full-scale feasibility study, equipment and infrastructure.

Opportunity for Financing Partners: Grant modality.

REGIONAL DEVELOPMENT COORDINATORS

UNIDO has **16 Regional Development Coordinators (RDCs)**, located in 13 municipalities and covering 20 oblasts:

- RDCs are tasked with developing technical partnerships between Ukrainian and European cities, supporting MSMEs, and fostering job creation opportunities at regional and municipal levels.
- RDCs play a key role in facilitating partnerships with municipalities and identifying their needs and priorities, including preparation of 34 pilot municipality partnership projects.
- RDCs ensure the smooth and timely execution of 6 selected pilot municipality partnership projects through monitoring, managing communication and visibility, maintaining continuous dialogue with local counterparts, and supporting information exchange and data collection.

THANK YOU FOR YOUR ATTENTION

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