

GREEN JOBS



Green jobs for Ukraine's recovery and European integration

Ukraine Green Recovery Platform



Ministry of Environmental Protection and Natural Resources of Ukraine



MINISTRY OF VETERANS AFFAIRS OF UKRAINE

Definition of Green Jobs



What are Green Jobs?

- ◆ **International Labour Organization (ILO):** defines green jobs as decent jobs that contribute to preserving or restoring the environment, reducing environmental impact, and improving energy and raw material efficiency.
- ◆ **Report "Green Jobs: Towards Decent Work in a Sustainable Low-Carbon World":** as work in agriculture, industry, services and administration that contributes to preserving or restoring the quality of the environment. Green jobs are found in many sectors of the economy from energy supply to recycling and from agriculture and construction to transportation. They help to cut the consumption of energy, raw materials and water through high-efficiency strategies, to decarbonize the economy and reduce greenhouse-gas emissions, to minimize or avoid altogether all forms of waste and pollution, to protect and restore ecosystems and biodiversity.
- ◆ Decent pay, according to the ILO, is an important component of green jobs.



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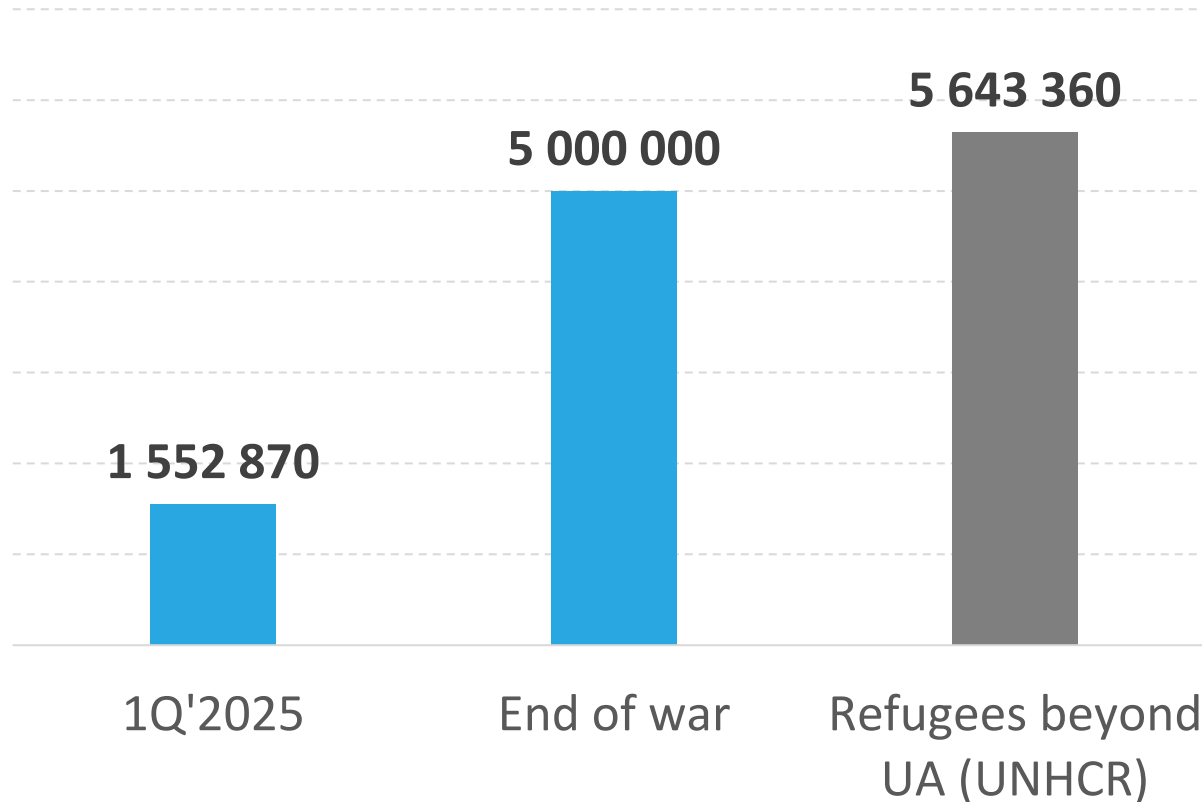
Environmental economic activities

- Organic agricultural (plant and livestock) and aquaculture activities and supporting services;
- Fuel wood; other wood production when complying with sustainability measures;
- Rehabilitation of mining sites;
- Capturing drainage water to prevent groundwater contamination;
- Manufacture of electric and more resource-efficient transport equipment; exhaust pipes and their parts (also particles filters);
- Manufacture of instruments, machinery and apparatus for analysis of pollutants, filtering or purifying gases and liquid;
- Manufacture of septic tanks, perforated buckets and similar articles used to filter water at the entrance to drains; pumps for use in wastewater treatment, vehicles for wastewater collection and sewer cleaning, activated carbon for water-filtering purposes;
- Manufacture of tubes and pipes for wastewater treatment plants as well as for water management;
- Manufacture of sacks and bags for replacing plastic bags; bins, boxes, containers and other receptacles for storing and transporting waste; boards, blocks and similar articles of vegetable fibre, straw or wood waste, agglomerated with mineral binders; incinerators and machinery for waste treatment (e.g. used at landfilling sites);
- Manufacture of lead containers for radioactive waste;
- Maintenance and repair activities for reducing water losses;
- Manufacture of specific equipment for the production of energy from renewable sources: e.g. storage systems for biogas, wood-fired boilers and other appliances, solar panels and photovoltaic cells, hydraulic turbines and water wheels, wind turbines;
- Manufacture of biofuels;
- Manufacture of charcoal complying with sustainability measures;
- Manufacture of goods for thermal and noise insulation mainly in buildings: e.g. cork products, windows with three insulating layers, insulation materials for facades, roofs and other elements of buildings such as materials made of glass fibre, rock wool, cellulose, polymers and polyurethane and others;
- Reconditioning of wooden containers;
- Manufacture of specific equipment produced for environmental protection and resource management: e.g. thermostats for heating and cooling regulation, thermostatic valves, heat pumps, condensing boilers, solar water heaters;
- Manufacture of discharge lamps as low pressure lamps (e.g. compact fluorescent lamps) and the most efficient domestic appliances;

Why is this important for Ukraine?

Green Jobs in Ukraine:

- ◆ **534** professional skills
- ◆ **300+** types of economic activity



Post-war recovery requires inclusive, future-ready labor markets:

- ◆ **7% GDP growth**
- ◆ **Green sectors** offer some of the highest job creation potential worldwide
- ◆ **1 552 870** war veterans and representatives of other privileged categories related to the defense of Ukraine, over **5 million veterans** will return to work
- ◆ **5 643 360 citizens of Ukraine** are beyond Ukraine at present and are registered as war refugees
- ◆ Unique **wartime skills** can be turned into assets for the green economy
- ◆ in line with **Ukraine's path to the EU**, climate goals, and sustainable development

Project objectives

Key objectives:

Mapping the green labor market and identifying needs

Identify veterans' skills, needs, and aspirations

Recommend policy measures and pilot solutions

Engagement of stakeholders in various sectors
(public, private, CSOs)

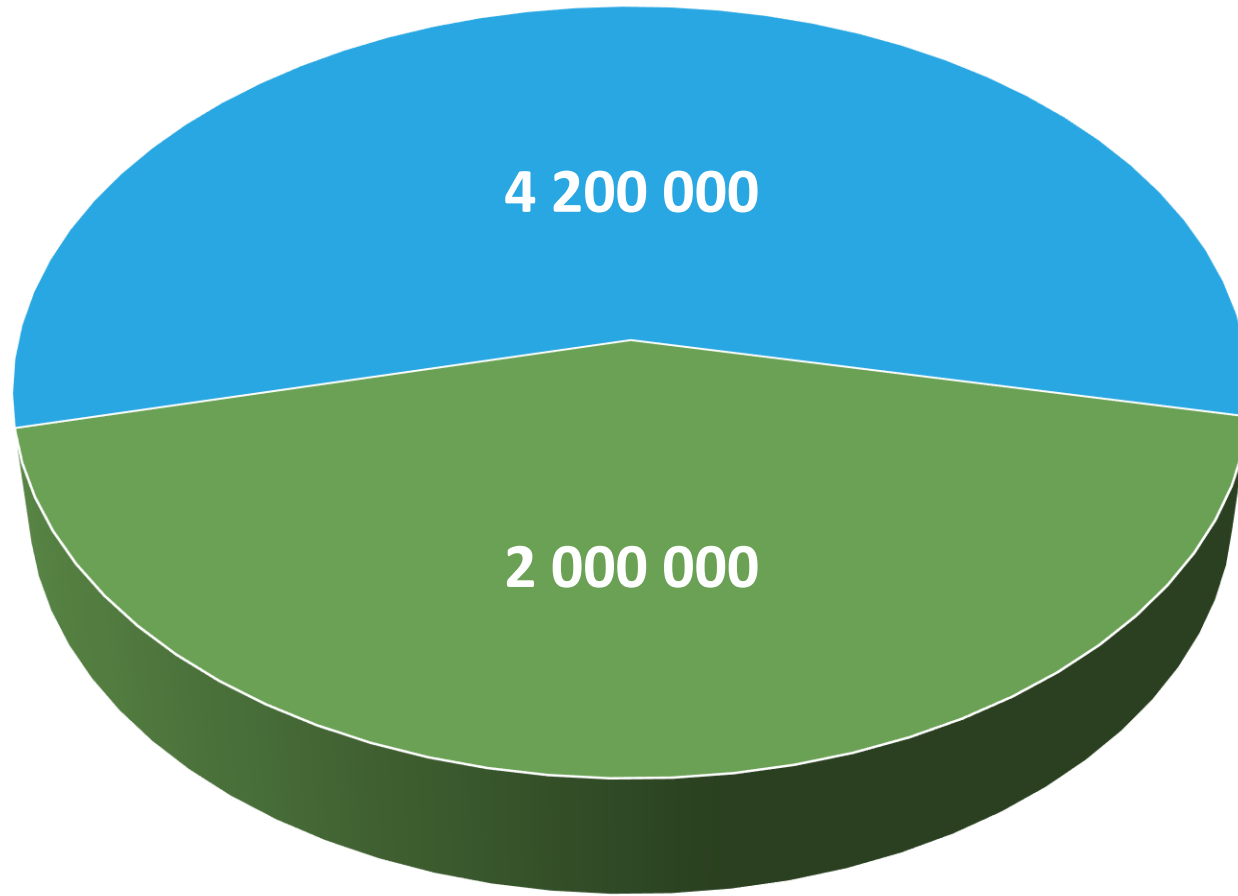
Methodological basis:

- ◆ Review of strategies, programs, legislation, research, and statistical data
- ◆ Survey (1 040 veterans, 120 employers)
- ◆ Focus groups (10 sessions)
- ◆ In-depth interviews (27)
- ◆ Side event (April 7), round table (June 26)

Partners involved:

- ◆ Veterans' organizations, business associations, civil society, educational and scientific institutions
- ◆ Ministries and regional authorities, communities
- ◆ UNEP, ILO, OECD, universities, and scientific institutions

Post-war recovery – estimated increase in jobs



■ Number of jobs ■ Green jobs

2 million of new Green Jobs within 2-3 years:

analysis-based forecast of 715682 active economic entities in key sectors using a multiplier of 1.7 for the “direct + cross-sectoral effect”

Green recovery has the potential to create at least min 1.2 million jobs

715 682 enterprises, institutions, organizations and individual entrepreneurs according to KVED (classifier of types of economic activities) codes correspond to the potential for creating green jobs for veterans

Calculation:
number of entities × 1.7
 (minimum multiplier for direct + cross-sectoral effect), based on international studies (EEA, ILO, global cases), according to which **each active entity in green sectors creates 1.5–2 jobs within the green transformation**

| Sector | Number of business entities | Minimum potential for green jobs* |
|--|-----------------------------|-----------------------------------|
| Construction, management, restoration, and maintenance of real estate and infrastructure facilities | 124 955 | ≈ 212 424 |
| Agriculture, fishing, forestry, and logging | 111 950 | ≈ 190 315 |
| Commerce | 116 165 | ≈ 197 481 |
| Public institutions | 88 548 | ≈ 150 532 |
| Transport, infrastructure, logistics. Construction of roads and highways, residential and non-residential buildings, power supply facilities, pipelines, technical and installation works, engineering, geodesy, and architecture. | 40 783 | ≈ 69 331 |
| Production. Handling of safe and hazardous waste | 30 789 | ≈ 52 341 |
| Key sectors – total: | 513 190 | ≈ 872 424 |
| <i>Additional sectors that should be considered as related:</i> | 59 954 | ≈ 101 921 |
| Finance, law, accounting, insurance, holding companies | 31 938 | ≈ 54 295 |
| IT, software, data processing | 28 016 | ≈ 47 627 |
| Total sectors (key + additional): | 573 144 | ≈ 974 345 |
| Entire sample (715,682 entities) | 715 682 | ≈ 1 216 659 |

Focus groups



Transport and
infrastructure



Water supply,
wastewater disposal
and treatment tech.



Reclamation of territories,
rehabilitation of former
military training grounds and
areas of environmental
pollution



Energy efficiency,
renewable energy
sources, and cleaner
production



Eco-friendly
construction
products



Demining of land and
forest areas, buildings
and structures



Green
construction



Sustainable tourism



Agriculture, forestry,
hunting, and fishing



Sustainable forest
management

What is necessary to move forward (key recommendations)

- ◆ Defining green jobs as a separate political and legal category
- ◆ New green jobs must be high quality!
- ◆ Changes in the system of technical vocational training, with an emphasis on green skills
- ◆ Grant support for the creation of new green jobs, it is necessary to define ecological criteria for each type of economic activity
- ◆ Develop soft tools to support green transformation (green credits, environmental standards, voluntary certification and ecolabelling, sustainable public procurement, etc.)
- ◆ Implementation of Regulation (EU) 2015/2174 to start calculating employment in the field of environmental goods and services



Дорожня карта збільшення зелених робочих місць

- ◆ Послідовні кроки для посилення курсу України на інтеграцію з ЄС — через поступове приведення законодавства у відповідність з acquis ЄС у пріоритетних секторах
- ◆ Виконання міжнародних зобов'язань — зокрема за Глобальними цілями ООН з сталого розвитку та Європейським Зеленим курсом
- ◆ Реалізації державної політики щодо ветеранів — шляхом реінтеграції, перепідготовки і працевлаштування військових у цивільному житті
- ◆ Зміцнення інституційної спроможності держави відповідно до стандартів ЄС.



<https://livingplanet.org.ua/novuny/green-jobs>

**Публічне обговорення триває
до 01 листопада 2025 року**

Дякую за увагу!

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