CLIMATE ACTION
Take urgent action to combat climate change and its impacts

KPI Energy Innovation Hub: a year of achievements, new opportunities



- The young team of the Energy Decarbonisation Centre (which includes the Energy Innovation Hub) won a competition of youth research projects and received funding to carry out the project "Developing a set of recommendations for renovating historic buildings to achieve nZEB targets based on energy modelling".
- A digital scan of the Hub space was carried out to create a BEM-model.
- A demonstration stand was received from the HERZ company.
- The project "Development of an intelligent low-temperature building heating system based on a condensing modular boiler house" was completed. A prototype of an intelligent condensing modular boiler unit was installed in the Centre within this project.
- Modern equipment for energy audit was received from GIZ partners within the project "Engaging girls and women in the energy-efficient recovery of Ukraine through energy-efficiency trainings", implemented by the NGO "International Development Foundation". The installed stands and equipment are used in the educational process.

Monitoring of greenhouse gas emissions at KPI

The main purpose of calculating greenhouse gas emissions is to observe clause 10 of the Environmental Protection Policy of Kyiv Polytechnic, approved by Law No. NOD/713/24 of 3 October 2024 and by Rector's Act No. RP/362/24 of 3 October 2024, to achieve the Sustainable Development Goals on climate change.



Table: Scope 1 and 2 total emissions

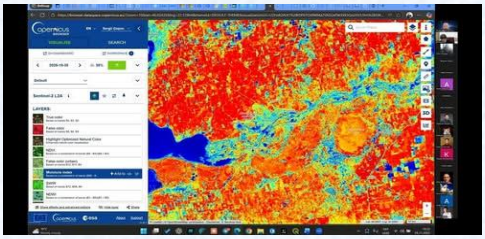
Year	2021*	2022	2023	2024	2025	2030*
Emissions, t CO2e/year	17,745.71	13,126.02	14,071.56	10, 028.51	13,780.631	12, 421.994*
Percentage emission reduction compared with the base year	–	26.03	20.7	43.49	22.34	30

* 2021 is the base year, 2030 is the fixed target year, 12,421.994 is the target emission level.

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Kyiv Polytechnic informs and supports local/regional authorities in terms of early warning and monitoring of climate-change disasters/risks

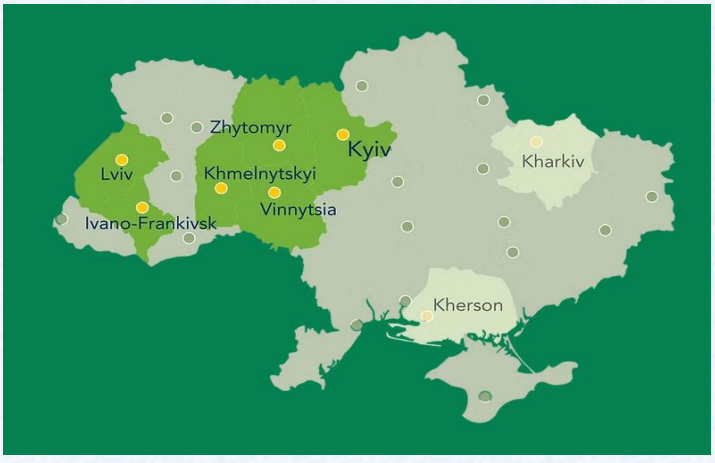
On 5 November 2025, Sergii Gapon (World Data Center for Geoinformatics and Sustainable Development) delivered the presentation themed "**Spatial data analysis and artificial intelligence in strategic territorial management**"during the seminar "Current scientific research and its prospects" held at Kyiv Polytechnic.



In particular, the report presented a distinct approach developed using tools for researching complex socio-economic systems (within the R&D project "A land-cover monitoring system for the strategic management of Ukraine's territories under multiple military threats"), as well as tools for identifying changes in land-cover types for spatial analytics tasks.

Ukraine on the path to carbon neutrality

Kyiv Polytechnic participates in the project U_CAN undder the Horizon Europe programme (HORIZON-MISS-2023-CIT-02-01 – Engaging Ukrainian cities in the mission "Climate-Neutral and Smart Cities"), which promotes a practical "bottom-up" approach to achieving climate neutrality by Ukrainian cities.



In line with European standards and the European Green Deal (EGD), the project starts with a pilot group of 8 Ukrainian cities, Dresden as a mission city, non-governmental organisations and research institutions, and aims to tackle the current problems of Ukrainian cities and their key sectors.
