# SUSTAINABLE DEVELOPMENT GOAL NO. 13 «CLIMATE ACTION»

The climate crisis is one of the deepest and most complex transformations of modern civilization. It is a process that gradually changes the conditions of life on the planet, affecting the economy, ecosystems, cities, and everyday human life.

In the 21st century, climate change has become a present reality, manifested in rising temperatures, extreme weather events, changes in water balances, soil degradation, and increasing environmental risks.

For Ukraine in 2025, climate challenges are compounded by the consequences of the war, which complicates environmental monitoring, infrastructure recovery, and natural resource management.

In these conditions, universities play a particularly important role as centers of scientific analysis, education, and the formation of climate awareness in society.

In 2025, V. N. Karazin Kharkiv National University continued implementing Sustainable Development Goal No. 13 “Climate Action” through:

- climate research;
- environmental monitoring;
- educational programs;
- risk modeling;
- international cooperation;
- awareness-raising activities.

# CLIMATE RESEARCH AND SCIENTIFIC ANALYSIS

In 2025, the university continued both fundamental and applied research on climate change.

Main areas included:

- analysis of temperature trends;
- study of atmospheric processes;
- climate scenario modeling;
- investigation of local climate changes;
- assessment of anthropogenic impacts.

Scientific results are aimed at understanding long-term changes and developing adaptation strategies.

# EDUCATION IN CLIMATE CHANGE

In 2025, the university continued integrating climate-related topics into the educational process.

Students studied:

- fundamentals of climatology;
- environmental safety;
- sustainable development;
- adaptation to climate change.

Education is aimed at forming a climate-conscious generation of professionals.

# ADAPTATION TO CLIMATE RISKS

In 2025, the university paid special attention to climate adaptation issues.

Main directions included:

- assessment of climate risks for infrastructure;
- analysis of urban environmental vulnerability;
- development of adaptation models;
- study of ecosystem resilience.

Adaptation is considered a key element of climate policy.



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# REDUCING THE CLIMATE IMPACT OF UNIVERSITY ACTIVITIES

In 2025, Karazin University continued implementing measures to reduce its environmental impact.

**Measures included:**

- energy-efficient technologies;
- digitalization of processes;
- reduced resource consumption;
- optimization of transport solutions;
- environmental initiatives.

These measures aim to reduce the university’s carbon footprint.

# INTERNATIONAL CLIMATE COOPERATION

In 2025, the university continued participating in international climate programs.

**Main directions included:**

- joint research projects;
- data exchange;
- participation in global climate initiatives;
- integration into European research networks.

The climate crisis is viewed as a global challenge requiring coordinated action by all countries.




# FORMATION OF CLIMATE AWARENESS

In 2025, the university continued its educational and outreach activities in the field of climate change.

**Activities included:**

- lectures and seminars;
- popular science events;
- student initiatives;
- discussions on the future of the planet.

# CONCLUSIONS

In 2025, V. N. Karazin Kharkiv National University continued implementing Sustainable Development Goal No. 13 “Climate Action” through:

- climate research;
- environmental monitoring;
- educational programs;
- risk adaptation;
- reduction of institutional impact;
- international cooperation;
- formation of climate awareness.

The university views climate action as a combination of science, ethics, and long-term responsibility.
In this context, combating climate change becomes a way of thinking that defines the boundaries of the future of human civilization.