

Implementation of European environmental legislation in the field of climate change in the territory of Mykolaiv region

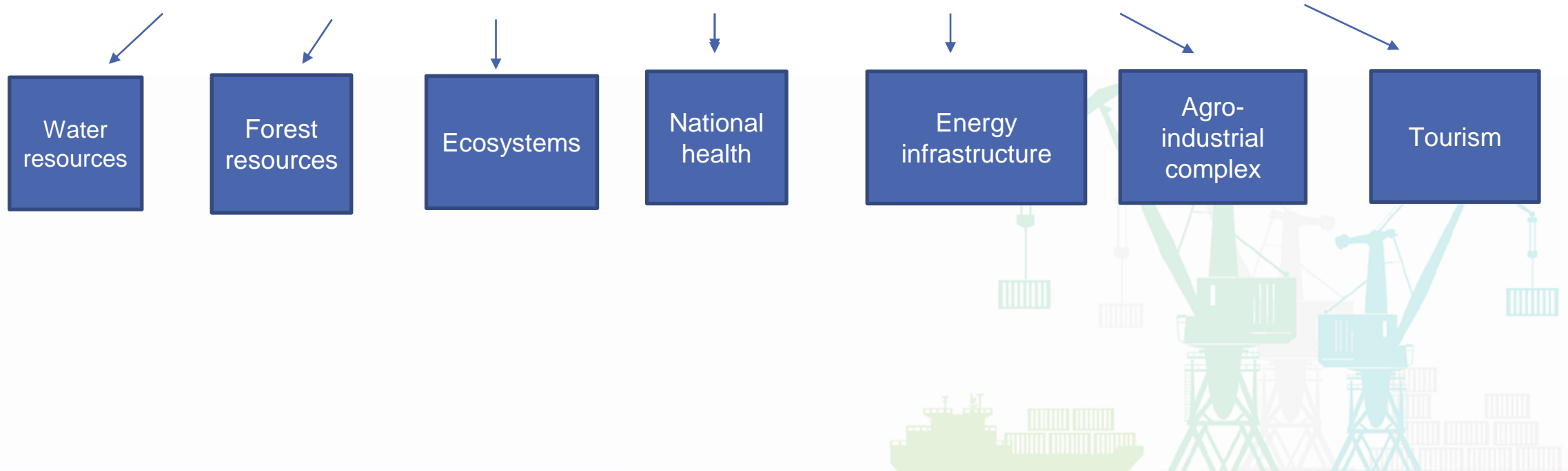
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Department of Ecology and Natural Resources of
the Mykolaiv Regional Military Administration

Climate change risks for Ukraine

According to the Ministry of Environmental Protection and Natural Resources of Ukraine, the average annual temperature in Ukraine has increased by more than 2°C since the beginning of the 20th century. In recent years, the frequency of days with maximum summer temperatures above 35 and 40°C, which is considered an extreme weather phenomenon, has almost been doubled.

Impact of climate change in Ukraine by branches

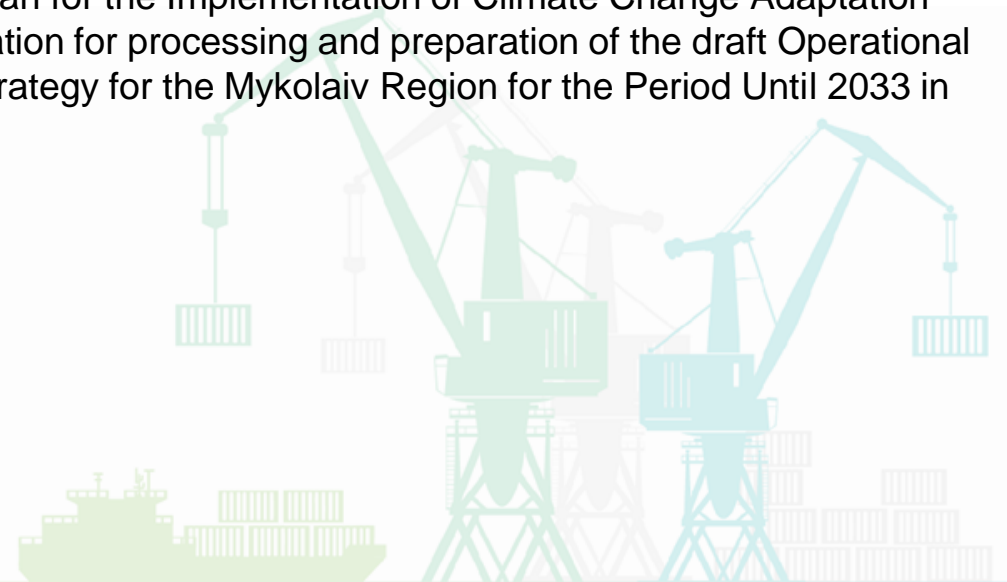


The work of the Mykolaiv regional military administration on the development of strategic planning documents in the field of climate change

On June 18, 2021, the Supervisory Board of the European Union's international technical assistance project APENA 3 selected Mykolaiv region as a pilot for the development of the Regional Climate Change Adaptation Strategy and the Climate Change Adaptation Implementation Plan. In 2024, the experts of the APENA 3 Project developed a draft **Regional Climate Change Adaptation Strategy for Mykolaiv region**.

Specialists of the Mykolaiv Regional Military Administration provided comments and observations to the document. On September 13, 2024, the Ministry of Environment - the beneficiary of the Project officially transferred the draft of the finalized Climate Change Adaptation Strategy for Mykolaiv region to the Mykolaiv Regional Military Administration for approval in accordance with the procedure established by the current legislation of Ukraine.

In 2024, the experts of the APENA 3 Project developed a Plan for the Implementation of Climate Change Adaptation Measures for Mykolaiv region. The Plan proposes 171 measures with an estimated adaptation cost of 155.7 million euros for seven years. On 31.03.2025, the Ministry of Environment transferred the finalized draft of the Plan for the Implementation of Climate Change Adaptation Measures for the Mykolaiv Region to the Mykolaiv Regional Military Administration for processing and preparation of the draft Operational Plan of Measures for the Implementation of the Climate Change Adaptation Strategy for the Mykolaiv Region for the Period Until 2033 in 2026-2028.



Categories of climate change adaptation measures

The measures developed within the framework of the Mykolaiv Oblast Climate Change Adaptation Strategy and the Climate Change Adaptation Implementation Plan are classified based on similar types of adaptation measures proposed and developed by the EU in climate change adaptation strategies:

Administrative - measures aimed at creating and staffing a climate change department in the structure of the Regional Military Administration, material support for civil protection services and bodies, responding to and eliminating the consequences of emergencies in the region

Training - dissemination of knowledge about the impact of climate change on various sectors of the economy and the healthcare sector by conducting trainings and seminars for relevant specialists

Works - examples of this type of measures: definition of protection zones for groundwater resources, construction or expansion of storm sewer networks, energy modernization of public buildings, increase in green spaces in large cities, modernization of equipment for extinguishing forest fires, restoration of forest areas damaged by fires in the region

Monitoring - the use of resources groundwater, detailed accounting of urban green spaces

Warning systems - development of an early warning system for emergency events

Communication - activities aimed at informing and raising awareness of the public and business entities about the impact of climate change on various sectors of the economy and the health sector

Incentives - establishing incentives or disincentives in various sectors of the economics for the rational use of natural resources, replacing old equipment with more energy-efficient ones, supporting farmers in damaged areas of the region, investing in sustainable mobility (infrastructure for charging electric vehicles)



Next steps (during the implementation planning process)

Effectiveness of measures: Prevention of future impacts, reduction of intensity and scale of impacts, restoration in case of existing damages.

Implementing bodies: central government, regional military administration, local administration, scientific institutions, non-governmental organizations, private sector, etc.

Sources of funding: potential financing methods, international financial institutions and programs.

Cost (budget): low (< 100,000.00 €), medium (100,000.00 – 1,000,000.00 €), high (> 1,000,000.00 €).

Priority of measures: 1st priority or 2nd priority for implementation.

Revised budget estimate: Ukrainian hryvnia (UAH)

Benefit (financial, environmental, social): high, medium, low.



Thank you!

