

Goal of Approach:

Realization of adaptation measures to climate change at the national level

Input provided by: Ukraine**Main elements of the implementation strategy**

1. Technical upgrading of departments of the State Hydrometeorological Service (It will allow to make: Development of scenarios of climate change conditions in Ukraine on medium-and long-term perspective using data of global and regional models; Development of detailed maps of future climate conditions in Ukraine under different scenarios of climate change using geoinformation systems; Conducting of spatial analysis of trends in the frequency and intensity of extreme meteorological events in Ukraine as a result of climate change etc.)

2. Improving the existing national system of monitoring and forecasting of natural disasters and extreme meteorological phenomena, increasing the number and intensity of which are related to climate change (It will allow to make: Maintenance of scientific and applied studies on the vulnerability of ecological and socio-economic systems to climate change; Conducting of analysis of hydro-ecological river conditions of the Dniester basin, Prut basin and Sirets basin, developing guidance on the definition of their ecological conditions for the preparation of management plans, the use and reproduction of surface water resources; Conducting of spatial analysis of changes in the water regime of surface water pools in Ukraine as a result of climate change etc.)

3. Increasing of the state afforestation area as a result of reforestation and afforestation on the forest land, creation of protective forest plantations on non-agricultural lands and lands set aside for reforestation, restoration and creation of new forest shelter belts, in addition to natural steppe areas.

Targeted beneficiaries

Key beneficiaries: Local, regional and state government, central executive bodies, State Hydrometeorological Service, forestry.

Key benefits:

1. Increasing the adaptability of the population, economies, ecosystems;
2. Reducing the vulnerability to climate change and the risks of natural disasters and extreme weather phenomena, the number and intensity of which related to climate change;
3. Creation conditions to avoid possible economic losses from the expected negative effects of climate change or a significant decrease;

Any significant lessons learned

1. Lack of public awareness in sphere of climate change and lack of specialists in hydrometeorology, forestry and risk assessment leads to slow process and incomprehension of importance of providing the measures addressed to loss and damage associated with climate change impacts.
2. The providing of any measures without financial, political and regional support is not possible.

Resource requirements

1. Lack of financial resources (donates, investments, local budgets)
2. Lack of authentic data for making forecast
3. Lack of Qualified specialists in hydrometeorology, forestry, risks from natural disasters
4. Lack of observation points of the environment.

Potential for replication or scaling-up

Can be replicated on all territory of Ukraine

Any additional information