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CLIMATE CHANGE AND OZONE LAYER RESEARCH CENTER OF TAJIKISTAN

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INTRODUCTION TO THE CLIMATE CHANGE AND OZONE LAYER RESEARCH CENTER (CCOLRC) OF THE AGENCY OF HYDROMETEOROLOGY OF THE REPUBLIC OF TAJIKISTAN

>>> BACKGROUND

Tajikistan's Climate and Ozone Layer Research Center (CCOLRC) plays a vital role in understanding and addressing the impacts of climate change and ozone depletion. Established in 2004 under the Agency of Hydrometeorology under the Committee of Environmental Protection of RT, CCOLRC provides crucial data and research to support effective adaptation and build community resilience.



Welcome Message from the Head of the Climate Change and Ozone Layer Research Center (CCOLRC)

On behalf of the Climate Change and Ozone Layer Study Center at the Hydrometeorology Agency of the Committee for Environmental Protection of the Republic of Tajikistan, I welcome you to this important center.

Since 2004, our Center has been vital in addressing climate change and ozone layer depletion. We understand that climate change is a serious threat to sustainable development, which is why we focus on creating a scientific foundation and practical solutions for adaptation.

Our primary goal is to enhance community resilience and tackle the impacts of climate change. We conduct research, monitor environmental changes, and develop technologies to effectively respond to these challenges.

We aim to provide reliable data and recommendations to support informed decision-making, as climate change affects us all. Key priorities include raising awareness, training specialists, and strengthening partnerships with national and international organizations.

We invite you to join us in our mission to protect the planet and build a sustainable future for all.

Sincerely,
Sattor Saidov
Head, CCOLRC
Agency of Hydrometeorology of the Republic of Tajikistan

>>> MISSION

The primary mission of CCOLRC is to enhance the understanding of climate change impacts and ozone layer depletion. By conducting research and monitoring environmental changes, the Center aims to create a strong knowledge base that informs decision-making processes. CCOLRC is committed to building resilience within communities by facilitating effective strategies that address the challenges posed by climate change.

>>> VISION

CCOLRC envisions a sustainable future where climate resilience is prioritized, and communities are equipped with the knowledge and tools necessary to adapt to climate-related challenges. The Center aims to be a regional leader in climate science and services, fostering collaboration among stakeholders to promote informed decision-making at all levels of society.

>>> GOALS

To achieve its mission and realize its vision, CCOLRC has defined several strategic goals:

- 1. “Research and Monitoring”:** Conduct comprehensive research on climate and ozone layer issues, utilizing advanced technologies and methodologies to monitor environmental changes effectively. This includes developing national greenhouse gas inventories and assessing the vulnerability of various sectors to climate change.

2. “Capacity Building”: Strengthen institutional and human resources through training and development initiatives. By enhancing the skills and competencies of personnel involved in climate services, CCOLRC aims to improve the overall capacity for effective climate action.

3. “Public Awareness and Education”: Promote climate change education and awareness among various sectors of society. This goal ensures that communities understand the impacts of climate change and the importance of adaptation, ultimately fostering a climate-literate society.

4. “Collaboration and Partnerships”: Foster partnerships with national and international organizations to enhance the effectiveness of climate services and promote knowledge sharing. By engaging in international cooperation, CCOLRC aims to strengthen Tajikistan's role in regional and global climate discussions.

5. “Policy Support”: Provide scientific evidence and recommendations to inform policy-making processes. This support ensures that climate considerations are integrated into national development plans and strategies, aligning with international commitments under the “UN Framework Convention on Climate Change” and other global agreements.



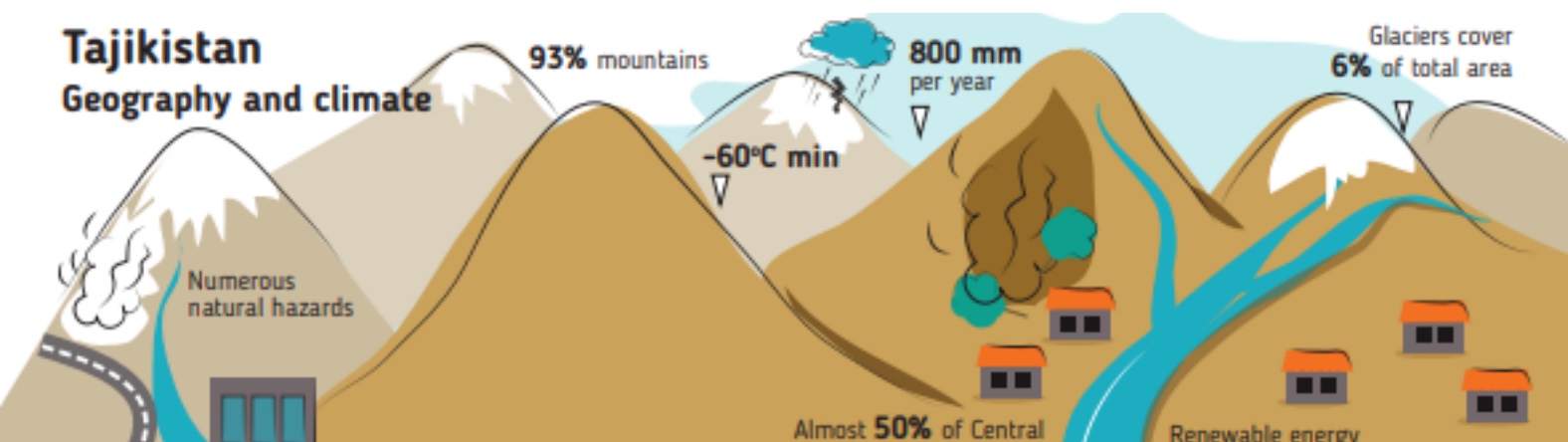
6. “Facilitate International Collaboration”: Actively engage with global initiatives and frameworks, participating in conferences, seminars, and capacity-building programs to promote climate action. This effort will help Tajikistan align its climate strategies with broader international goals.

By focusing on these goals, CCOLRC aims to contribute significantly to the Republic of Tajikistan's efforts to address climate change challenges. The Center's dedication to research, capacity building, public awareness, collaboration, and policy support stands to enhance the resilience of communities and ecosystems throughout the region.

<https://www.meteo.tj/en>

Tajikistan

Geography and climate



➤➤➤ NAP PROJECT SUPPORT TO THE CLIMATE CHANGE AND OZONE LAYER RESEARCH CENTER OF TAJIKISTAN (CCOLRC)

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BOOSTING TAJIKISTAN'S CLIMATE RESILIENCE:

ENABLING AN EFFECTIVE NATIONAL ADAPTATION PLAN (NAP) PROCESS FOR TAJIKISTAN FUNDED BY THE GREEN CLIMATE FUND (GCF)

The National Adaptation Plan (NAP) project, funded by the Green Climate Fund (GCF) and implemented by UNDP in Tajikistan, has provided significant support to Tajikistan's Climate Change and Ozone Layer Research Center (CCOLRC). This support aims to strengthen the center's capacity to provide crucial climate services.

Key activities included:

- **Institutional Assessment:** An assessment of CCOLRC's institutional, technical, and personnel capacity was conducted to inform a development strategy for enhanced climate services. The assessment highlighted the need for increased human capacity, investment in research, and improved collaboration with stakeholders.
- **Capacity Development Strategy:** A Capacity Development Strategy was developed, outlining a five-year plan for strengthening CCOLRC's climate service provision, aligned with Tajikistan's National Framework for Climate Services.
- **Workshops and Training:** Three workshops engaged over 60 national and sub-national representatives (including 36 women) in discussions on data and information sharing for climate change adaptation. Additionally, three two-days training workshops were conducted for CCOLRC staff to enhance their understanding of World Meteorological Organization (WMO) climate service principles and improve their ability to provide effective climate information to users.
- **Free online courses:** The consultation report recommends using free online courses on climate change and National Adaptation Plans (NAPs) from the UN CC: Learn platform to enhance knowledge and skills. The report emphasizes key courses that focus on climate change basics, NAP processes, integrating climate risk information, and weather and climate services for sustainable development. These courses are considered vital for strengthening the capacity of the Climate Research Center in Tajikistan and advancing the implementation of adaptation strategies.
- **Climate Support Service:** The report proposes the establishment of a Climate Support Service within the Climate and Ozone Layer Research Center of Tajikistan's Agency of Hydrometeorology. This service aims to enhance climate education and respond to requests for climate-related data across sectors using a user-friendly Help Desk system. It emphasizes building technical infrastructure, strengthening staff competencies, fostering collaboration, and incorporating international best practices to ensure accessible and effective climate services.

These efforts will enable Tajikistan to better adapt to climate change, particularly in key sectors like agriculture, energy, water, and transport.

WORKSHOPS AND TRAININGS



>>> COP 29 PARTICIPATION

BOOSTING TAJIKISTAN'S CLIMATE RESILIENCE



Tajikistan has declared 2025 as the International Year for Glacier Conservation, highlighting the urgent issue of glacier melting and its effects on the country's environment and economy. This announcement was made at the COP29 climate conference, where Tajikistan addressed the challenges posed by glacial retreat.

Sattor Saidov, head of the Climate Change and Ozone Layer Research Center, emphasized the importance of this declaration, noting that climate change impacts many economic sectors in Tajikistan, including energy, agriculture, and water resources. The melting glaciers threaten the nation's water supply, essential for agriculture, hydropower, and local livelihoods, potentially leading to water shortages and increased natural disaster risks.

At COP29 in Baku, Sattor Saidov also highlighted the development of Sectoral Adaptation Plans (SAPs) with the support of NAP project, for six key sectors: agriculture, water, energy, transport & infrastructure, forestry/biodiversity, and industry/construction. These plans aim to reduce vulnerability and build resilience to climate change.



Tajikistan seeks to raise awareness and foster dialogue on glacier conservation, encouraging collaboration among local communities, environmental organizations, and international partners to develop effective preservation strategies. This commitment aligns with global efforts to combat climate change and reinforces Tajikistan's active role in environmental conservation. By designating 2025 for glacier conservation, the country hopes to inspire collective action to protect these vital ecosystems for future generations.

UNDP partners with people at all levels of society to help build nations that can withstand crisis, and drive and sustain the kind of growth that improves the quality of life for everyone. On the ground in more than 170 countries and territories, we offer global perspective and local insight to help empower lives and build resilient nations.

