



United Nations
Climate Change



COP29
Baku
Azerbaijan

Pavilion at UNFCCC COP29: "Kyrgyzstan: Sustainable Development of Mountain Regions"

Venue: UNFCCC COP29 Blue Zone, Pavilion F8



Food and Agriculture
Organization of the
United Nations



World Food
Programme

"Sustainable agriculture towards climate change adaptation"

CONCEPT

Date: 19 November 19, 2024

Time: 10:00-11:45

Moderators:

Saparbayev Zh., Ministry of Water Resources, Agriculture and Processing Industry of the Kyrgyz Republic

Grebnev V., Central Asia Regional Environmental Center

Online participation: To participate online, please register using the following link: [link](#)

After registering, you will receive a confirmation email with details on how to access the conference. Registration is required only once, and the provided link will grant you access to all events at the Pavilion throughout its entire duration.

Background information

In the Kyrgyz Republic, agriculture plays an important role in ensuring food security and maintaining economic stability. Agriculture accounts for 14% of the total gross domestic product. More than 65% of the population lives in rural areas, and 24% of the country's citizens are engaged in agriculture. Climate change in Kyrgyzstan has a significant impact on agriculture, which leads to a reduction in water resources, an increase in the frequency of extreme weather events, and a change in the timing of the agricultural season, which threatens food security and the livelihoods of local farmers. Over the past ten years, there has been a decrease in the share of the population employed in agriculture: from 31.6% in 2014 to 17.1% in 2023.

In 2024, with the support of international partners, a National Adaptation Plan was developed in the Agriculture and Irrigation sector, which is a tool for achieving the goals of a Nationally Determined Contribution (NDC) of the Kyrgyz Republic to the Paris Agreement.

The Kyrgyz Republic is taking important steps towards adaptation to climate change, including the implementation of the National Strategy until 2040 and the National Program until 2026. These programs are aimed at creating a favorable environment for human life, rational use of natural resources for socio-economic development, and preservation of the unique ecosystems of the Kyrgyz

Republic for future generations. Also, the Decree of the President of the Kyrgyz Republic "On measures for the further development of the agro-industrial complex of the Kyrgyz Republic" was adopted, aimed at increasing the resilience to climate change of the agricultural sector of the country.

This Decree includes 5 areas in which tasks are set, including the improvement and development of unproductive pasture lands, support for rational water use in agriculture, including mechanized, drip and sprinkler irrigation methods for agricultural land, tripling the area for organic production by 2030, as well as the introduction of an agricultural insurance system in agriculture risk areas and cattle breeding. Special attention is also paid to the development of livestock breeding, which contributes not only to the preservation of productivity and sustainability of the sector, but also to climate change adaptation.

In addition to this, the Cabinet of Ministers of the Kyrgyz Republic adopted a Program to increase soil fertility for 2024-2028, a Program for pasture development for 2024-2029 and a Program for the development of horticulture for 2025-2029 aimed at reducing of the degraded lands area and sustainable pasture management.

At the initiative of the President of the Kyrgyz Republic, S.N. Zhaparov, at the 77th session of the UN General Assembly, a resolution "Sustainable Mountain development" was adopted, within the framework of which 2023-2027 was declared the Fifth Anniversary of Actions for the Sustainable Development of Mountain Regions. Following the results of the 5th anniversary, 25 years after the first mountain summit in Bishkek, it is planned to hold the Second World Mountain Summit in Kyrgyzstan in 2027.

In the face of climate challenges, the Kyrgyz Republic is taking comprehensive measures to increase the sustainability of the agricultural sector, which is a key factor in ensuring food security and economic growth of the country. The adopted strategies and programs are aimed at increasing soil fertility, improving pasture management, developing livestock breeding and horticulture, as well as introducing innovative technologies. Special attention is paid to adaptation to climate change, rational use of water resources and conservation of biodiversity. Kyrgyzstan's active participation in international initiatives, such as the adoption of the UN resolution on sustainable mountain development and preparations for the Second World Mountain Summit, demonstrates the country's commitment to global efforts to climate change adaptation and achievement of sustainable development.

The main goals of the side event are:

- 1. Familiarization of participants about the measures taken by the agricultural sector of the Kyrgyz Republic in the context of climate change on the way to sustainability:** informing about the steps taken towards sustainable agriculture in the areas of improving pastures, developing livestock breeding, resource-saving agriculture, introducing practices of using organic raw materials in agriculture, and agricultural insurance as a response to climate risks.
- 2. Scientific research and innovation:** Support scientific research and innovative solutions to solve pasture management problems and increase livestock sustainability, including new methods of breeding and feeding livestock, as well as the use of digital technologies.
- 3. Interaction between the public and private sectors, as well as international partners:** to achieve the goals, join forces for the sustainable development of the country's agricultural sector.
- 4. Get acquainted with the experience of developing and implementing the first pilot project for the creation of clinical trials (CRI) in Kyrgyzstan.**

Side event on "Sustainable agriculture on the way to adaptation to climate change"

| Time | Presentation | Speakers |
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| <i>Moderator: Saparbayev Zh. R.</i> | | |
| 10:00 – 10:15 | Opening Welcome speech | Baisalov E.Zh. , Deputy Chairman of the Cabinet of Ministers of the Kyrgyz Republic Duisheev M.I. , Deputy Minister of Water Resources, Agriculture and Processing Industry of the Kyrgyz Republic Guchgeldiyev O.T. , FAO Representative in Kyrgyzstan |
| Presentation session: Impact of climate change on agriculture in the Kyrgyz Republic. Existing challenges and solutions. <i>Moderator: Vladimir Grebnev</i> | | |
| 10:15 – 10:20 | Overview of policy implemented by the Ministry of Water Resources, Agriculture and Processing Industry of the Kyrgyz Republic towards adaptation to climate change | Duisheev M.I. , Deputy Minister of Water Resources, Agriculture and Processing Industry of the Kyrgyz Republic (MWRAPI KR) |
| 11:20 - 10:30 | Financing of climate-sustainable agriculture in the Kyrgyz Republic | Noruzbayev J.J. , Deputy Chairman of the Management Board of JSC "Aiyl Bank" |
| 10:30 – 10:40 | Protection of the agricultural sector: agricultural insurance as a response to climate risks | Saparbayev J. R. , Head of the Department of International Cooperation and Export of MWRAPI KR |
| 10:40 - 10:50 | The use of artificial insemination and digitalization in animal husbandry. The World Bank's project "Comprehensive improvement of dairy productivity" - Artificial insemination, trainings on sustainable technologies and improved methods of animal husbandry. | Bekov T.N. , Director of the Center for Agribusiness Competitiveness (CCA) |
| 10:50 – 11:00 | Sustainable agriculture and climate change adaptation. "A solution that already works." (The presentation process will include video materials about the results achieved, reviews). | Osmonova B. N. , Director of the development company "Victories group" |
| 11:00 – 11:10 | CARBONEG project in Kyrgyzstan | Dzhumabekov K. , Co-founder of the "Global Ecoway" Public Foundation |
| 11:10 – 11: 35 | Panel session: | <i>Moderator: Vladimir Grebnev</i> |

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| | <ol style="list-style-type: none"> 1. What are the best agricultural adaptation practices used in other countries that could be applied in Kyrgyzstan? 2. What are the opportunities for integrating organic agriculture into national climate change strategies? | <p>Speakers:</p> <ul style="list-style-type: none"> • Guchkeldiev O. T. • Bekov T. N. • Chynaliev M. T. • Osmonova B.H. • Orozakunov B. O. |
| 11:35-11:45 | Closing/summing up | |

Key conclusions, conclusions and recommendations for the development of the topic:

1. **The role of agriculture in climate change adaptation:** The introduction and application of sustainable technologies and mechanisms in agriculture is an important factor for ensuring food security and economic stability in the face of climate change.

2. **Contribution of organic farming:** Organic and resource-saving agriculture contributes to the retention of carbon in the soil (sequestration), which leads to a reduction in greenhouse gas emissions into the atmosphere.

3. **Support for the private sector in ensuring food security in the face of climate change:** It is important to develop farmer subsidy programs focused on the development of sustainable technologies in agriculture, including livestock breeding, which contributes to the adaptability of agricultural production.

4. **Agricultural insurance:** An effective agricultural insurance system can protect farmers from the risks associated with climate change.

Conclusions:

1. The use of sustainable agricultural practices should be a priority for Kyrgyzstan to ensure food security and protect ecosystems.

2. Integration of various approaches such as organic farming, rational water resources management and agricultural insurance is needed to improve the sustainability of agriculture.

3. Joint efforts by States, international organizations and farmers are essential to achieve development in the face of climate change.

Recommendations:

1. The application of sustainable farming methods should be a priority for Kyrgyzstan in order to ensure food security and ecosystem protection.

2. Integration of various approaches, such as organic and resource-saving agriculture, rational management of water resources and agricultural insurance, is necessary to increase the sustainability of agriculture.

3. Joint efforts of States, international organizations and farmers are necessary to achieve development in the face of climate change.

Administrative information:

Responsible person (s) for the event: Zh. R. Saparbayev

Organization, position: Head of the International Cooperation and Export Department of the Ministry of Water Resources, Agriculture and Processing Industry of the Kyrgyz Republic, Director.

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