

Environmental Situation of Central Asian Countries

Eshmonova Bahoroy¹

¹ 3rd year student of Navoi State Pedagogical Institute

Abstract:

This article briefly mentions the study of the environmental conditions of the Central Asian countries.

Keywords: Central Asia, Kyrgyzstan, Uzbekistan, Turkmenistan, Kazakhstan, water resources, environmental problems.

The ecological situation of the Central Asian countries includes various problems due to the unique climatic conditions, natural resources and economic activities of the region. Below is a summary of the ecological situation of the countries of Central Asia:



(PROBLEM OF FLOODING)

The ecological situation of Kazakhstan includes several problems:

1. Air Pollution: Large industrial and transport sectors have a negative impact on air quality. Especially big cities like Almaty emit a lot of pollutants.
2. Water resources: Kazakhstan has problems related to the use of its water resources. The drying up of rivers such as Amudarya and Syrdarya and the reduction of their land area is worsening the ecological situation in this area.
3. Land use: Large-scale agricultural activities and expansion of cultivated areas lead to soil degradation and salinization.
4. Nature protection: Although Kazakhstan has taken many steps to protect natural resources, natural resources continue to be lost in some areas.

Along with these, the government and international organizations are implementing various programs and initiatives to improve the environmental situation.

- Water Resources: Kazakhstan's water resources are limited and mainly associated with large rivers, such as the Irtysh and Syr Darya. Depletion of water resources and excessive use of water for agriculture are causing problems.

2. Uzbekistan



(ISLAND PROBLEM)

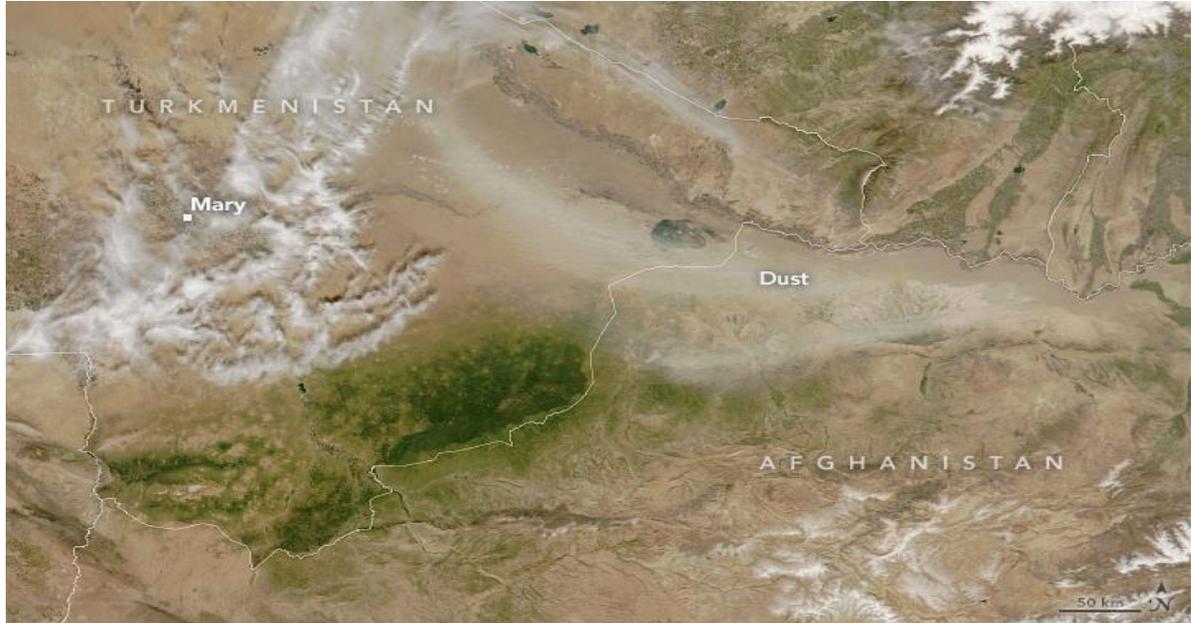
The ecological situation of Uzbekistan includes several problems:

1. Water resources: Most of Uzbekistan consists of desert and dry regions, and water resources are limited. The main rivers - Amudarya and Syrdarya - have caused environmental problems due to their reduced flow.
2. Land encroachment: There are problems in the desert like land drying and land encroachment. The main causes of this process are climate change and human activity.
3. Soil salinity: Soil salinity and reduced fertility due to agricultural activities is an important environmental problem, which reduces the quality of the soil.
4. Air Pollution: Pollutants emitted from the industrial and transport sectors deteriorate the air quality. This affects not only human health, but also ecosystems.

5. Natural resources and biological diversity: In Uzbekistan, there are issues such as overuse of natural resources and reduction of biological diversity. In particular, there is a risk of extinction of rare plant and animal species.

Uzbekistan's government and public are implementing various programs and initiatives to address these issues, but much work remains to be done in this area.

3. Turkmenistan



(EARTH EROSION)

The environmental situation in Turkmenistan includes several important issues:

1. Depletion of Water Resources: Turkmenistan has a predominantly dry climate and water resources are limited. The drying up of the Aral Sea is one example of the water crisis in the region, which is causing serious problems for agriculture and drinking water supply.
2. Soil Erosion: Soil erosion due to agricultural activities and wind is common. This can lead to loss of fertile land and desertification.
3. Desertification: In Turkmenistan, which consists mostly of arid and semi-arid regions, desertification causes a decrease in natural vegetation cover and a decrease in land quality.
4. Energy Resources and Environmental Pollution: Oil and gas extraction can cause environmental problems. These activities can cause land and water pollution.
5. Climate Change: Global climate change may increase Turkmenistan's temperature and further reduce its water resources.

Turkmenistan is developing various strategies to deal with these environmental problems, but solving these problems requires a long-term and comprehensive approach.

4. Kyrgyzstan



(AIR POLLUTION)

The environmental situation of Kyrgyzstan includes a number of problems. The main problems include:

1. Air pollution: Emissions mainly from industry and transport reduce air quality, especially in large cities and industrial centers.
2. Water resources: Although Kyrgyzstan is rich in water resources, there are problems with water use and management. In some places, it causes water pollution and overuse problems.
3. Land Degradation: Overuse of land in agriculture and depletion of natural resources leads to land degradation. Erosion and negative environmental consequences can occur.
4. Soil Pollution: Industrial wastes and chemicals cause soil pollution, which can adversely affect agricultural production.
5. Deforestation: Deforestation and reduction in forest area creates environmental problems. This threatens not only biodiversity, but also the stability of the earth's surface.

To solve these problems, the Kyrgyz government and environmental organizations are engaged in various initiatives, but there is still much work to be done in this process.

5. Tajikistan



The ecological situation of Tajikistan has become very serious. The country faces the following major environmental problems:

1. Water resources: Although Tajikistan is rich with many rivers and springs, water resources are facing many problems. There are problems such as water wastage, water sharing disputes with neighboring countries and drought.
2. Air pollution: Sanitation and industrial waste have a negative impact on air quality. The presence of various pollutants in the outdoor air harms the health of the population.
3. Agriculture and Soil Erosion: Inappropriate use of land for agriculture and dehydration are increasing soil erosion, which reduces yields and depletes agricultural resources.
4. Conservation of nature: Deforestation and overuse of natural resources are associated with the reduction of biodiversity and disruption of the natural balance.

Various programs and projects are being implemented by the government and international organizations to solve these problems, but a long-term and systematic approach is needed to achieve great results.

Conclusion

The ecological situation of Central Asian countries includes many problems related to natural and human activities. Issues related to water resource management, soil erosion, air pollution, and natural resource use are relevant to ensure environmental sustainability. In order to solve these problems and ensure sustainable development, it is necessary to strengthen regional cooperation and environmental management.

References

1. National encyclopedia of Uzbekistan, A. Qayumov, I. Safarov, M. Tillaboyeva, V. Federko-T, "Uzbekistan", 2019.-176 p.