

## SAVING WATER RESOURCES – A NECESSITY FOR THE FUTURE

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**Abstract:** Throughout human history, water has always been valued as a source of life. The phrase “Water is life” is not without reason, because all forms of life depend on water. However, today this invaluable gift is becoming an increasingly scarce resource. According to the UN, one of the biggest problems of the 21st century is water scarcity, which in the future may cause global social and economic risks. Therefore, the issue of saving water resources is an urgent task for every state, society and individual

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**INTRODUCTION**

Global water shortage

In recent decades, as a result of excessive use of water resources, industrial development and climate change, drinking water reserves have been sharply decreasing. According to the World Health Organization (WHO), 2.2 billion people in the world are deprived of quality drinking water. By 2040, a third of the world is expected to face water shortages.

The reasons for this are:

- melting glaciers as a result of global warming,
- drying up of rivers and lakes,
- inefficient use of water in agriculture,
- population growth.

Water resources problem in Uzbekistan

Uzbekistan is a country with arid climate conditions, and water resources are mainly formed from the Amu Darya and Syrdarya basins. According to statistics, 90 percent of the water available in our country is used for agriculture. Since open canals are mainly used for irrigation, a large part of the water evaporates or is absorbed into the soil.

Another serious problem is the population's irrational use of water. For example, in some regions, the waste of drinking water or the aging of the water supply infrastructure leads to significant losses.

If water use is not regulated, our country may also face the risk of water shortage by 2030.

International experience and practices to be learned

Countries around the world are implementing a number of effective practices in saving water resources:

Israel: using drip irrigation technology to achieve high yields even in desert areas.

Singapore: collecting and repurifying rainwater to turn it into drinking water.

Japan: widely introducing water-saving technologies and household appliances.

The Netherlands: using digital technologies and artificial intelligence to manage water resources.

It is urgent to adapt these practices to the conditions of Uzbekistan, especially the introduction of water-saving technologies in agriculture.

Practical ways to save water

Conserving water resources is not only a major state policy, but also begins with the daily habits of each person.

1. In agriculture - the introduction of drip irrigation and modern irrigation systems.
2. In industry - the use of water recycling and recycling systems.
3. In the household - do not leave taps open, eliminate water leaks, use water-saving equipment.
4. At the community level - form an ecological culture in children, educate the population about the culture of water conservation.

**CONCLUSION**

Saving water resources is not a choice today, but a necessity. Every drop of water is necessary for the life of future generations. Therefore, from state policy to the daily habits of ordinary citizens, water conservation should be aimed at saving water.

If we do not pay attention to this issue today, water shortages can cause economic, ecological and social crises tomorrow. Therefore, saving water means preserving our future.

It was noted that the main goal of the reforms being implemented in our country at the initiative of our President is to glorify human dignity, ensure a prosperous life and well-being of our people, and it was noted that it is no coincidence that the "Uzbekistan - 2030" strategy also identifies the issue of saving water resources and protecting the environment as an extremely urgent task. It was also noted that the changes and innovations taking place in the region in terms of providing the population with clean drinking water and saving water resources in agriculture were discussed.

Today, we are all watching with concern the situation in the world, which is "like a water droplet floating in the air," the message says. "Among these, water scarcity is becoming a global problem throughout the world. Unfortunately, this issue does not bypass our region. Our President expresses his views on this in every speech and international conference. Water-saving technologies are being widely introduced in our country. Our state is taking useful and effective measures in this regard. However, treating the environment, natural resources, including water, with honesty, saving it, not wasting it, remains a matter for our population, each of us. The message, which focuses on preserving Mother Nature and water resources, passing them on to future generations in their entirety, and ensuring that future generations also enjoy invaluable benefits, was widely covered in the media.

This initiative will require our country's activists, enlightened people, intellectuals, and representatives of the general public to continuously carry out local propaganda and advocacy work in order to instill this idea in the minds of the population in each neighborhood and achieve water conservation.

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