

## PROSPECTS FOR THE DEVELOPMENT OF GREEN ECONOMY IN UZBEKISTAN

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### Abstract

The article aims to study the prospects for the development of Uzbekistan's green economy, analyzes the possibilities of introducing green technologies in agriculture and industry, and changes in state policy. This article will help develop the strategies needed for Uzbekistan's transition to a green economy.

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### Introduction.

Today, environmental problems and limited natural resources encourage the countries of the world to develop sustainable development strategies. In this regard, the introduction of the principles of green economy is becoming an increasingly urgent issue. Uzbekistan is also promoting important initiatives to transition to a green economy in order to ensure environmental stability and develop economic growth in a new direction.

In Uzbekistan, work in the direction of green economy has been increasingly active in recent years. Green economy serves as an important tool not only for ensuring environmental stability, but also for further strengthening the socio-economic development of the country.

Despite the fact that Uzbekistan is a country rich in natural resources, there are environmental problems associated with economic growth. Population growth, industrial development and agricultural intensification have a negative impact on nature. Air, water and soil pollution, land degradation and climate change indicate the need to accelerate the transition to a green economy. Therefore, the state is implementing a number of measures to introduce green technologies in order to reduce environmental problems and ensure sustainable development.

### Research and methods.

**The topic of prospects for the development of the green economy in Uzbekistan was compiled on the basis of PESTEL analysis.**

#### **P (Political) - Green technology can be used in agriculture**

Agriculture is one of the main sectors of the economy of Uzbekistan and has a large share in the total gross domestic product of the country. However, the restoration of water resources, the salinization of the land and the excessive use of pesticides, the production of water resources. Therefore, the

introduction of clean technologies becomes important:

- Drip irrigation systems help to use water efficiently and prevent wastage.
- Organic farming allows to increase soil fertility and reduce environmental damage by avoiding chemical fertilizers and pesticides.
- Agrotechnologies and modern innovations provide ecological stability while increasing productivity. Such technologies, while making agriculture more ecological and efficient, are also economically beneficial for farmers. Political stability has been ensured in Uzbekistan in recent years, and this has a positive effect on the green economy. The government is paying attention to environmental issues and developing policies aimed at a green economy

### **E (Economic) - Implementation of green technologies in industry**

Although Uzbekistan's industry is developing, its impact on the environment is significant. In order to reduce energy consumption and minimize emissions to the atmosphere, the following measures should be taken:

- Use of green energy sources – using renewable energy sources such as wind, solar and biofuels increases energy efficiency in industry.
- Environmentally friendly production processes - waste processing and wide implementation of eco-technologies make the industry environmentally sustainable.

Development of energy-saving technologies - enterprises should introduce modern energy-saving equipment and automated systems. These initiatives not only reduce environmental problems, but also bring long-term economic benefits. Attracting investments necessary for the development of the green economy, especially investments in renewable energy sources (solar, wind), will be an important issue for the economy of Uzbekistan.

### **S (Social) - The role of state policy in the transition to a green economy**

The government of Uzbekistan is implementing a number of programs for the development of the green economy. In particular, the following strategic directions are defined within the framework of the "Green Economy" concept:

- Development of renewable energy sources - until 2030, it is planned to significantly increase the share of renewable energy in the total energy balance.
- Strengthening environmental legislation - laws on waste management, reducing air pollution and preventing land degradation are being improved.
- Development of international cooperation - Uzbekistan is implementing projects aimed at developing the green economy in cooperation with the UN, the World Bank and other international organizations.

At a time when Uzbekistan is moving to a new stage of economic development, ecological stability and rational use of natural resources have become one of the priorities. Green economy is not limited to environmental protection, but also serves to ensure economic and social stability of the country. As a result of the measures taken by the state, Uzbekistan is achieving significant changes in the fields of environmentally friendly technologies, renewable energy and sustainable production. It is necessary to expand the understanding of the green economy and environmental responsibility among the population. This makes it easier to adopt green technologies and apply them in life. With the development of green economy, there is a possibility to create new jobs. This requires new specialists and workers in ecological industry and technologies. Green economy has a positive effect not only in economic, but also in social aspects. An ecologically clean environment is an important factor for human health.

## Result and discussion.

### T (Technological) - Introduction of the principles of green economy in agriculture

Agriculture is one of the main sectors of the economy of Uzbekistan and plays an important role in ensuring the country's food security. At the same time, agriculture is one of the sectors with the greatest impact on the environment, with problems such as overuse of water resources, soil salinization, and excessive use of chemical fertilizers. In order to solve these problems, the following measures are being implemented:

- Wide implementation of drip irrigation technologies, i.e. increasing the productivity of cultivated areas by effective use of water resources and prevention of wastage.
- Development of organic farming means increasing soil fertility and improving public health by growing environmentally friendly products.

The use of agrotechnologies means reducing environmental problems and increasing productivity with the help of modern technologies. These reforms serve the long-term sustainable development of agriculture in Uzbekistan. Innovative technologies and environmentally friendly production systems play a major role in the development of the green economy. At the same time, it is important to develop highly efficient energy saving technologies.

### E (Environmental) - Application of environmentally sustainable production principles in industry

Industrial development is one of the important factors of economic growth, but it also creates environmental problems. Therefore, it is important to introduce the principles of green economy in the industry. In order to increase the environmental safety of the industry in Uzbekistan, work is being carried out in the following directions:

- Increasing energy efficiency, reducing energy consumption by introducing energy-saving technologies in enterprises. Improving the waste processing system, preventing damage to the environment through proper waste management and processing in industrial enterprises. Increasing the environmental safety of industry through the use of renewable energy, solar, wind and biofuel. These measures ensure the sustainable development of industrial sectors and strengthen the ecological safety of the economy. Green economy is the rational use of natural resources. directed. Issues such as saving water resources, maintaining soil fertility, reducing air and water pollution are important for Uzbekistan.

### L (Legal) - The role of public policy in the transition to a green economy

The government of Uzbekistan is promoting a number of important initiatives to implement the principles of green economy, for example:

- Attracting investments in green energy projects - diversification of energy supply through the construction of solar and wind power plants.
- Strengthening environmental legislation - ensuring compliance with environmental standards in industry and agriculture.

Development of international cooperation - implementation of projects aimed at ensuring environmental stability in cooperation with the UN, the World Bank and other international organizations. These measures will accelerate the transition of Uzbekistan to a green economy. It is necessary to strengthen environmental laws and norms for the development of a green economy. In Uzbekistan, steps are being taken in this regard, it is possible to attract green investments by reducing taxes or creating incentives aimed at the green economy.

1. **In conclusion**, Uzbekistan has the opportunity to reduce environmental problems and ensure economic stability by transitioning to a green economy. Introduction of environmentally friendly

technologies in agriculture and industry, use of renewable energy sources and improvement of state policy play an important role in this process. The transition to a green economy serves not only to preserve nature, but also to stabilize the country's economic growth. Therefore, it is necessary for Uzbekistan to continue to act consistently in this direction. not limited to ensuring ecological stability, but also makes a great contribution to the socio-economic development of the country. Uzbekistan can become one of the countries that will develop sustainably in the future through the wide use of water saving technologies in agriculture, the implementation of environmentally sustainable production principles in industry and the improvement of state policy. Therefore, the process of transition to a green economy should be accelerated.