

Investing in a Sustainable Future: The Role of the Green Economy in Finance

Urunova M. G

*Assistant at the Department of Finance, Samarkand Institute of Economics and Service,
e-mail: urunova.maftuna@bk.ru*

Abstract: *The article analyzes the role of the green economy in the financial sector, with an emphasis on the transformation of Uzbekistan towards sustainable development. The paper examines key initiatives and projects aimed at developing renewable energy sources, reducing greenhouse gas emissions and introducing green financial instruments. It provides up-to-date data for 2023–2025, reflecting the dynamics of changes in the country's environmental and financial policies. It also presents prospects and challenges associated with the introduction of green technologies and sustainable investment practices in developing economies.*

Keywords: *Green economy, sustainable development, investments, financial sustainability, environmental technologies, financial strategies, sustainable investments.*

Introduction: Modern global challenges such as climate change, natural resource scarcity and ecosystem degradation require a radical revision of economic models and approaches to resource management. One of the most effective solutions for ensuring long-term sustainability is the transition to a green economy. A green economy involves the use of environmentally friendly technologies, reduction of carbon emissions, efficient management of natural resources and the development of sustainable financial systems.

Investments in green technologies and environmentally sustainable projects are becoming an integral part of financial markets. In the coming decades, the green economy is expected to play a key role in ensuring stability and growth of economies at the global level. It is important to note that many developing countries, including Uzbekistan, are actively beginning their transition to a green economy, which opens up new opportunities for investors and contributes to the formation of new financial instruments.

Green economy and financial technologies. The green economy includes several key areas such as the use of renewable energy sources, waste management, sustainable agriculture, water resources and ecosystem protection. It also envisages the introduction of financial mechanisms aimed at stimulating environmentally friendly projects and reducing the risks associated with climate change.

According to the International Finance Corporation (IFC), the global green bond market reached \$500 billion in 2023, up 15% from the previous year. This figure continued to grow in 2024, and it is projected that green asset investment could reach \$1 trillion by 2025.

These data indicate a high interest in environmentally sustainable projects and the market's readiness to adapt to environmental requirements.

Uzbekistan's transition to a green economy. Uzbekistan, as part of Central Asia, faces a number of challenges, including water shortages, high levels of environmental pollution, and inefficient use of energy resources. In recent years, the country has begun to actively implement green initiatives that are aimed at sustainable development and reducing environmental risks.

In 2023, the Government of Uzbekistan approved a strategy for the transition to a green economy, which includes the following key goals:

- **Development of renewable energy sources:** In 2024, Uzbekistan increased investment in solar and wind energy. It is planned that by 2030, the share of renewable energy sources in the country's energy balance will be 25%.
- **Reducing carbon emissions:** In 2025, Uzbekistan will begin implementing a national carbon neutrality plan, which will include the introduction of carbon capture and storage technologies.
- **Energy saving and efficient use of water resources:** In 2023, the country signed agreements with international financial institutions worth more than US\$2 billion for water resources and sustainable agriculture projects.

Particular attention within the framework of this strategy is paid to attracting foreign investment in green economy projects. In 2024, Uzbekistan became part of the global initiative "Green Financial Deals", which involves the creation of financial instruments to support sustainable projects and improve access to international capital markets.

Sustainable Investments in Uzbekistan. Uzbekistan is making significant strides towards sustainable financial practices. In 2024, the country issued its first green bonds, supporting renewable energy and clean technology projects. These bonds have received strong demand in international markets, demonstrating growing interest in sustainable investments in the country.

Thanks to such initiatives, Uzbekistan is becoming an attractive market for international investors seeking to support environmentally friendly projects. In 2023, the total volume of foreign investment in the country's green economy increased by 30%, which confirms the high interest in creating sustainable financial models.

Problems and Prospects. Despite its successes, Uzbekistan's transition to a green economy faces a number of challenges. Among them are insufficient infrastructure for the large-scale implementation of green technologies, limited financial resources, and the need for specialized personnel. To address these issues, further integration with international financial institutions, strengthening of state programs to support green projects, and development of sustainable financial instruments are needed.

However, the prospects for a green economy in Uzbekistan look quite optimistic. The country is expected to continue developing clean technologies and sustainable financial practices in the coming years, which will strengthen its economy and improve the environmental condition of the region.

References: The green economy is becoming an integral part of the global trend towards sustainable development. The transition to environmentally sustainable technologies and innovative financial instruments is an important step for countries seeking to reduce their environmental impact and at the same time strengthen their economies. Uzbekistan, focusing on global goals of carbon neutrality and sustainable development, is actively implementing a strategy for transition to a green economy, investing significant resources in renewable energy sources, efficient water management and environmentally friendly technologies.

In recent years, the country has demonstrated growth in investment in the green economy, which confirms the interest of international investors and Uzbekistan's readiness to become a leader in Central Asia in the field of sustainable financial practices. It is important to note that successful development of the green economy requires further efforts to improve infrastructure, expand financial instruments and build human resources. Enhanced interactions with international partners are also needed to attract additional investment and technology.

Green investments not only help solve environmental problems, but also open up new opportunities for economic growth, job creation and improving the quality of life of the population. Thus, the green economy is an important factor for achieving sustainable and inclusive growth, both for Uzbekistan and for the world.

List of references:

1. Resolution of the President of the Republic of Uzbekistan "On approval of the strategy for the transition of the Republic of Uzbekistan to a "green" economy for the period 2019-2030" dated 04.10.2019 No. PP-4477
2. Resolution of the President of the Republic of Uzbekistan "On approval of the strategy for the transition of the Republic of Uzbekistan to a "green" economy for the period 2019-2030" dated 04.10.2019 No. PP-4477
3. Porfiryev Boris Nikolaevich "green" factor of economic growth in the world and in Russia // Problems of forecasting. 2018. No. 5 (170). URL: <https://cyberleninka.ru/article/n/zelenyy-faktor-ekonomicheskogo-rosta-v-mire-i-v-rossii> (date of access: 30.12.2021).
4. The Swiss Re Institute (2021). World economy set to lose up to 18% GDP from climate change if no action taken, reveals Swiss Re Institute's stress-test analysis
5. Transforming our World: The 2030 Agenda for Sustainable Development. United Nations, 2015.