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## Green finance development: global trends and prospects

**Anatoly F. Mudretsov**, Dr. of Sci. (Econ.)

<https://orcid.org/0000-0002-4683-177X>; SPIN-code (RSCI): 8877-5365

Scopus author ID: 57209909521

e-mail: [afmudretsov@yandex.ru](mailto:afmudretsov@yandex.ru)

**Anna A. Prudnikova**, Cand. of Sci. (Econ.), Associate Professor

<https://orcid.org/0000-0002-5595-2303>; SPIN-code (RSCI): 4604-5239

Scopus author ID: 21934813800

e-mail: [AAPrudnikova@fa.ru](mailto:AAPrudnikova@fa.ru)

### For citation

Mudretsov A.F., Prudnikova A.A. Green finance development: global trends and prospects // Market economy problems. – 2022. – No. 4. – Pp. 102-111 (In Russian).

DOI: <https://doi.org/10.33051/2500-2325-2022-4-102-111>

### Abstract

**Subject/Topic.** The article considers the problems of development of green finance, ensuring the provision of funds aimed at combating climate change and adaptation to the effects of climate change, as well as the implementation of sustainable development goals. **Goals/Objectives.** The purpose of the study is to assess the level and structure of green finance, to identify the factors that determine its development, taking into account the latest trends in the world economy and the world finance of the 21st century. **Methodology.** The study is based on the concept of sustainable development and the problem-oriented approach. Analytical work was carried out on the basis of analysis and synthesis, methods of comparison and grouping, economic analysis and modelling. **Results.** The development of the green finance market is conditioned by the understanding and awareness of environmental risks and the efforts of business to be socially responsible, in doing so, commitment to sustainable development becomes a priority in company strategies. The article conducts analysis of development of green finance, identifies problem aspects related to development of green finance instruments. **Conclusions/Significance.** It is concluded that it is advisable to stimulate the use of various green finance instruments, as they can bring significant benefits, both for developed and for developing countries. However, the regulatory framework for sustainable development needs to be further developed, with harmonization of green finance policies and standards not only at the national level but also at the global level.

**Keywords:** *sustainable development, green financing, green finance, green bonds, green loans, green investment.*

### References

1. Dvoretzkaia, A.E. (2017), “Green finance as a modern trend of the global economy”, *Bulletin of the Academy*, no. 2, pp. 60-65.
2. Report «ESG and Green Finance in Russia 2018-2022», (2022), INFRAGREEN, available at: [https://esg-consulting.ru/wp-content/uploads/2022/03/infragreen\\_green\\_finance\\_esg\\_in\\_russia\\_2018-2022.pdf](https://esg-consulting.ru/wp-content/uploads/2022/03/infragreen_green_finance_esg_in_russia_2018-2022.pdf) (Accessed 20.09.2022).
3. “«Green» finance and eco-friendly Big Tech: Digest of Eco-nomy No. 25”, (2020), RBC, available at: <https://trends.rbc.ru/trends/green/5f6dc9d99a7947715f587cef> (Accessed 04.10.2022).
4. Krylova, L.V., Prudnikova, A.A. and Sergeeva, N.V. (2022), “New uses of green finance tools as a factor of market development”, *Economics. Taxes. Law*, vol. 15, no. 5, pp. 90-100, DOI: 10.26794/1999-849X.2022-15-4-90-100.

5. Mudretsov, A.F. and Prudnikova, A.A. (2020a), “Green economy as a driver of sustainable development”, *Economy and mathematical methods*, vol. 56, no. 2, pp. 32-39.
6. Mudretsov, A.F. and Prudnikova, A.A. (2020b), “Environmental problems of sustainable development in a transforming economy”, *Market economy problems*, no. 4, pp. 113-119, DOI: <https://doi.org/10.33051/2500-2325-2020-4-113-119>.
7. Mudretsov, A.F. and Prudnikova, A.A. (2022), “Traditional and Green Energy Sources: Problems and Prospects of Development in the Context of Global Decarbonization”, *Market economy problems*, no. 1, pp. 159-168, DOI: [10.33051/2500-2325-2022-1-159-168](https://doi.org/10.33051/2500-2325-2022-1-159-168).
8. Mudretsov, A.F. (2021), “Transition to renewable energy: challenges and prospects”, *Market economy problems*, no. 3, pp. 238-243, DOI: <https://doi.org/10.33051/2500-2325-2021-3-238-243>.
9. Prokopyev, M.G. (2020), “The relationship of emissions into the air and the level of GDP (decoupling effect)”, *Market economy problems*, no. 2, pp. 76-84, DOI: <https://doi.org/10.33051/2500-2325-2020-2-76-84>.
10. Tulupov, A.S. (2021), “On the necessity of value assessment for anthropogenic load in ecological statistics”, *Market economy problems*, no. 3, pp. 227-237, DOI: <https://doi.org/10.33051/2500-2325-2021-3-227-237>.
11. Khmyz, O.V. (2019), “International experience of issuing «green» bonds”, *Economy. Taxes. Law*, vol. 12, no. 5, pp. 132-141, DOI: [10.26794/1999-849X-2019-12-5-132-141](https://doi.org/10.26794/1999-849X-2019-12-5-132-141).
12. Shkiperova, G.T. and Kurilo, A.E. (2021), “Assessment of the sustainability of regional socio-ecological-economic systems”, *Market economy problems*, no. 1, pp. 47-61, DOI: <https://doi.org/10.33051/2500-2325-2021-1-47-61>.
13. *Adaptation Gap Report* (2020), UNEP-CCC, available at: <https://www.unep.org/resources/adaptation-gap-report-2020> (Accessed 06.10.2022).
14. *Global warming of 1.5 °C. Special Report* (2018), IPCC, available at: <https://www.ipcc.ch/sr15> (Accessed 14.09.2022).
15. *Global Energy Transformation: A Roadmap to 2050 (2019 edition)* (2019), IRENA, available at: <https://www.irena.org/publications/2019/Apr/Global-energy-transformation-A-roadmap-to-2050-2019Edition> (Accessed 04.10.2022).
16. *Green finance: A quantitative assessment of market trends* (2022), TheCityUK, available at: <https://www.thecityuk.com/media/101/hnctn/green-finance-a-quantitative-assessment-of-market-trends-1.pdf> (Accessed 25.09.2022).
17. *Interactive Data Platform* (2022), Climate Bonds Initiative, available at: <https://www.climatebonds.net/market/data/> (Accessed 10.09.2022).
18. *State of the Global Climate 2021* (2022), World Meteorological Organization, available at: [https://eipc.center/pdf/wmo\\_state\\_of\\_the\\_global\\_climate.pdf](https://eipc.center/pdf/wmo_state_of_the_global_climate.pdf) (Accessed 06.10.2022).
19. *The economics of climate change* (2021), SwissRe Institute, available at: <https://www.swissre.com/institute/research/topics-and-risk-dialogues/climate-and-natural-catastrophe-risk/expertise-publication-economics-of-climate-change.html> (Accessed 15.09.2022).
20. Zimmerman, R., Brenner, R. and Abella, J.L. (2019), “Green infrastructure financing as an imperative to achieve green goals”, *Climate*, no. 7 (3), pp. 3952, DOI: [10.3390/cli7030039](https://doi.org/10.3390/cli7030039).

#### About authors

Anatoly F. Mudretsov, Doctor of Sci. (Econ.), Principal Researcher, Market Economy Institute of RAS, Moscow.

Anna A. Prudnikova, Candidate of Sci. (Econ.), Associate Professor, Financial University under the Government of the Russian Federation, Moscow.