

To cite this paper:

Tkacheva, L. (2023) Mining industry in the transition to a low-carbon economy. *Human Progress*. 9 (1): 14. URL: http://progress-human.com/images/2023/Tom9_1/Tkacheva.pdf. DOI 10.34709/IM.191.14. EDN OICVFZ.

MINING INDUSTRY IN THE TRANSITION TO A LOW-CARBON ECONOMY

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Abstract. The Russian mining industry is currently characterized by adaptation to the low-carbon economy principles, which contains both opportunities and threats for its development. Additional research is needed to determine the strategies for the sustainable development of the mining industry at the present moment and to reduce the negative impact of the global decarbonization policy. As a goal, the authors highlight the finding such special characteristics of the Russian mining sector that are in the conditions of transition to a low-carbon economy and finding strategies for its further sustainable development. The authors set the following tasks: to assess the Russian mining sector as an object of a low-carbon economy; to identify factors that have a strong influence on the transition to a low-carbon economy on the Russian mining industry; scenarios formation for the mining industry development in the conditions of transition to a low-carbon economy. The author used comparative analysis, statistical analysis, generalization and comparison as methods, as well as the scenario method. The result of the study is a list of the main factors affecting the Russian mining industry development in the context of the transition to a low-carbon economy and proposals for its strategic development. As a conclusion, the authors propose to identify the trend of increasing demand for renewable energy sources as the main reason for changes in the mining sector and propose scenarios for the mining industry development.

Keywords: mining industry; low-carbon economy; decarbonization; mining industry development strategy; development trends.

JEL codes: O25; L71.

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