

Technology Benchmarking: Resource Efficiency Aspects

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The article presents approaches to the technology benchmarking in the context of the transition to the environmental and technological regulation. The author emphasizes that in the Russian Federation, in order to determine Best Available Techniques, benchmarking has been run since 2015 in accordance with clearly defined methodological approaches. Notably, by now, as a result of a comparative analysis of technologies, sector environmental performance indicators (technological indicators of emissions), resource efficiency (reflecting the consumption of natural and secondary resources in the production processes), and indicative parameters of greenhouse gas emissions (or carbon intensity indicators) are being established and continually improved. The conclusion is that benchmarking is becoming an increasingly recognized, effective management tool that allows making informed, substantiated decisions necessary to improve the national industrial policy, build technological leadership, and achieve environmental well-being.

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