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## **ENERGY SOURCES ANALYSIS IN THE PERSPECTIVE OF SUSTAINABLE DEVELOPMENT**

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### **Abstract**

A judicious use of energy is a fundamental factor to achieve sustainable development. The limited character of energetic fossil resources and the pollution generated by burning fossil fuels for electricity production require the need to replace them with other sources of energy. Despite the fact that fossil fuels would continue to play a prevailing role in the energy supply for decades to come, renewable energy resources have the potential of contributing to the increasing global energy demands, while simultaneously emerge the most efficient solutions for clean and sustainable energy development in the world. In this framework, the main scope of the present study is to provide an analysis of the current state of world natural resources used to produce energy and energy consumption degree across different regions of the world. At the same time, for building a genuinely low-carbon society, this paper aims to compare the environmental impact assessment for water, air, soil and ecosystem for a range of conventional and renewable energy sources.

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