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IMPACTS OF GLOBAL WARMING ON THE WHOLE ENVIRONMENT AND SUGGESTIONS FOR SOLVING THEM BY EN-ROADS MODEL

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Abstract

Nowadays, one of the most challenging environmental issues and problems is global warming, which has significant effects on all aspects of the environment, including climate change. Due to the excessive emission of greenhouse gases, deforestation, and the use of fossil fuels caused by various human activities, the trend of global warming is increasing rapidly, so that, according to the En-ROADS Model, by 2100, global warming will increase about 3/6 °C. This study has three implementation models based on methane, carbon, and hybrid model. All three models were based on predictions of reduced greenhouse gas emissions or increased use of control components such as nuclear fuels. The results showed that the methane, carbon, and hybrid models could reduce global warming by 0.4 °C, 0.8 °C, and 1/1 °C, respectively. To sum up, it can be said that methane and carbon are known as the main greenhouse gases, and the measures to reduce the emission of these gases, described in detail in the results of this study, have a significant effect on reducing global temperatures.

Key words: climate change, environmental issues, En-ROADS, global warming, greenhouse gases

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