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## **THE IMPACT OF ENERGY PRODUCTION ON ENVIRONMENT IN ROMANIA**

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### **Abstract**

The impact of energy production sector on the environment is evaluated by the pollution of the environmental factor (air, water and soil). The air is considered to be one of the most important affected environmental factors. As important pollutants emitted into air after the burning processes for public power, cogeneration and district heating, commercial, institutional and residential combustion, extraction and distribution of fossil fuels etc. are nitrogen oxides, sulfur oxides, solid ashes, hydrocarbons, carbon monoxide and dioxide carbon (the greenhouse gases). The natural water resources can be also affected by the energy production sector especially by the thermal pollution from cooling water and the organic substances used as inhibitors for chemical or biological stabilization of water or cooling water. The soil quality can be affected by the solid waste and fossil fuels.

*Keywords:* energy production sector, thermoelectric power station, fossil fuels, greenhouse gases (GHGs), solid wastes, ashes, environmental impact

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