

Combined Use of Hydrogen Technologies and Renewable Sources to Reduce the Carbon Footprint in the SAŠA Region

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Abstract

In the world, they produce a lot of electricity as well as a good part of thermal energy with the help of coal thermal power plants. Due to the influence of ecological factors, a drastic reduction in the use of fossil fuels is planned in the coming decades. The presented article shows an attempt to replace the use of coal with renewable resources and the production of hydrogen in the Savinja-Šalek (SAŠA) region in Slovenia.

Keywords: *Renewable energy sources, hydrogen technology, energy requirements, environmental impact*