

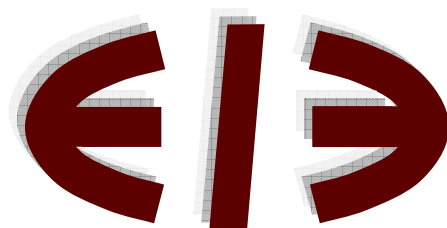
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Evaluation of Renewable Energy Policies in an Integrated Economic-Energy-Environment Model

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EERI Research Paper Series No 4/2007



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September 2007

Abstract

This paper evaluates socio-economic impacts of alternative renewable energy policies in Poland. Applying a general equilibrium bioenergy model we perform simulations of alternative policy instruments. The obtained numerical results allow us to assess and compare welfare and distributional impacts of alternative policies. Our empirical findings advocate that the bioenergy sector in Europe would benefit most from an integrated economic-energy-environment approach to policy making.

Keywords: GEM-E3; Forestry; Renewable energy.

JEL classification: O13; P28; Q21; Q23; Q28; Q42.