

STRATEGIC ANALYSIS FOR THE FUTURE IMPLEMENTATION OF ENERGY CROPS

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ABSTRACT: In order to stimulate faster bioenergy development, dedicated energy feedstocks in the form of energy crops are considered one of the promising options. Like the residual biomass resources, they can be converted into virtually any energy form. However, their main advantage is that they can be developed to optimise key characteristics for energy applications and their sustained production can better ensure long term large-scale supplies with uniform characteristics. Energy crops also have significantly higher yields per unit of land area than natural stands. These higher yields improve their cost effectiveness over conventional crops and minimise land requirements, associated chemical use, hauling requirements and other negative environmental impacts.

Based on the information provided from EC funded projects and scientific publications this paper aims to present a detailed