

Task 4.1 Environmental Impact Assessment

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To what extend is cultivation and use of a certain non-food crop in a certain European region sustainable?

Environmental Impact Assessment:

Evaluation method to explore the possible environmental effects of a proposed project





Soil Erosion

 Goal is primarily to evaluate the environmental effects due to the production of different non-food crops in different European Regions





Parameters to be studied

⇒ Mainly at the agricultural phase ⇒ Ecological ⇒ Socio-economic





Ecological Parameters, some examples

- ⇒ Use of Mineral Resources

- ⇒ Waste production and Utilisation





Socio-economic Parameters, some examples

⇒ Stimulation of rural industrialisation

⇒ Employment creation





Application of the methodology

⇒ Choice of the non-food crops

⇒ to be discussed among partners

⇒ Oil crops: rape, flax, hemp, sunflower, safflower, castor

⇒ Starch and sugar crops: sugarbeet, sweet sorghum, potato

⇒ Lignocellulosic and fiber crops: kenaf, miscanthus, cardoon, reed canary grass, switchgrass, poplar, willow, eucalyptus, wheat, maize





Application of the methodology

- ⇒ Choice of the European Regions
 - ⇒ to be discussed among partners
- ⇒ North Europe
- ⇒ South Europe

 - → Mediterranean Influence





Purpose of the study

⇒ To achieve conclusions and to define recommendations

In order to stimulate discussion inside and outside the European Union

To give a contribution towards further development of non-food crops throughout Europe

