

Biomass for Energy

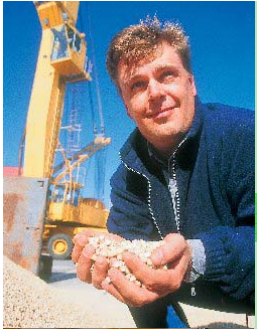
Brussels, 17 April 2007

By Jean-Marc Jossart
Secretary General

AEBIOM
European Biomass Association

www.aebiom.org

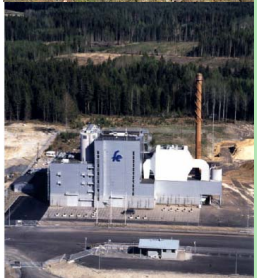




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- Opportunities for farmers



www.aebiom.org





What is AEBIOM ?

A non profit making group of national biomass associations open to EU, central and eastern Europe,



aiming to promote biomass to energy production and applications throughout Europe.

The secretariat is based in Brussels.

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AEBIOM members

1. Association of Lithuanian biofuels producers and suppliers - LBGTA

2. Association for extension of biomass in Spain - ADABE

3. Austrian Biomass Association - ABA

4. Bulgarian Biomass Association - BBA

5. CARMEN (Germany)

6. Czech Biomass Association - CZBIOM

7. Danish Biomass Association - DANBIO

8. Energy Utilisation Biomass Association – EUBA (Bulgaria)

9. Association for the promotion of bioenergy (Portugal)

10. Finnish Bioenergy Association - FINBIO

11. European Wood Energy Technical Institute – ITEBE (France)

12. German Bioenergy Association - BBE

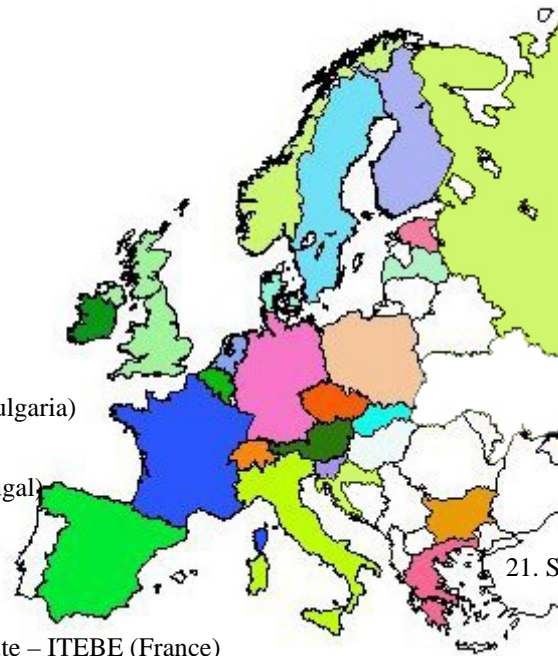
13. Greek Biomass Association - HELLABIOM

14. Irish Bioenergy Association - IrBEA

15. Italian Biomass Association - ITABIA

17. Netherlands Bioenergy Association – NL-BEA

16. Italian Association for Energy from Agro-Forestry - AIEL



28. Renewable Energy Association of Spain – APPA

27. Valorisation of Biomass – ValBiom (Belgium)

26. Croatian Forestry Society

25. South Tyrol Biomass Association

24. Slovak Biomass Association - SKBIOM

23. Swedish Bioenergy Association - SVEBIO

22. Slovenian Biomass Association - SLOBIOM

21. Serbian Biomass Renewable Energy Association - SERBIO

20. Russian Biomass Association - RBA

19. Polish Biomass Association - POLBIOM

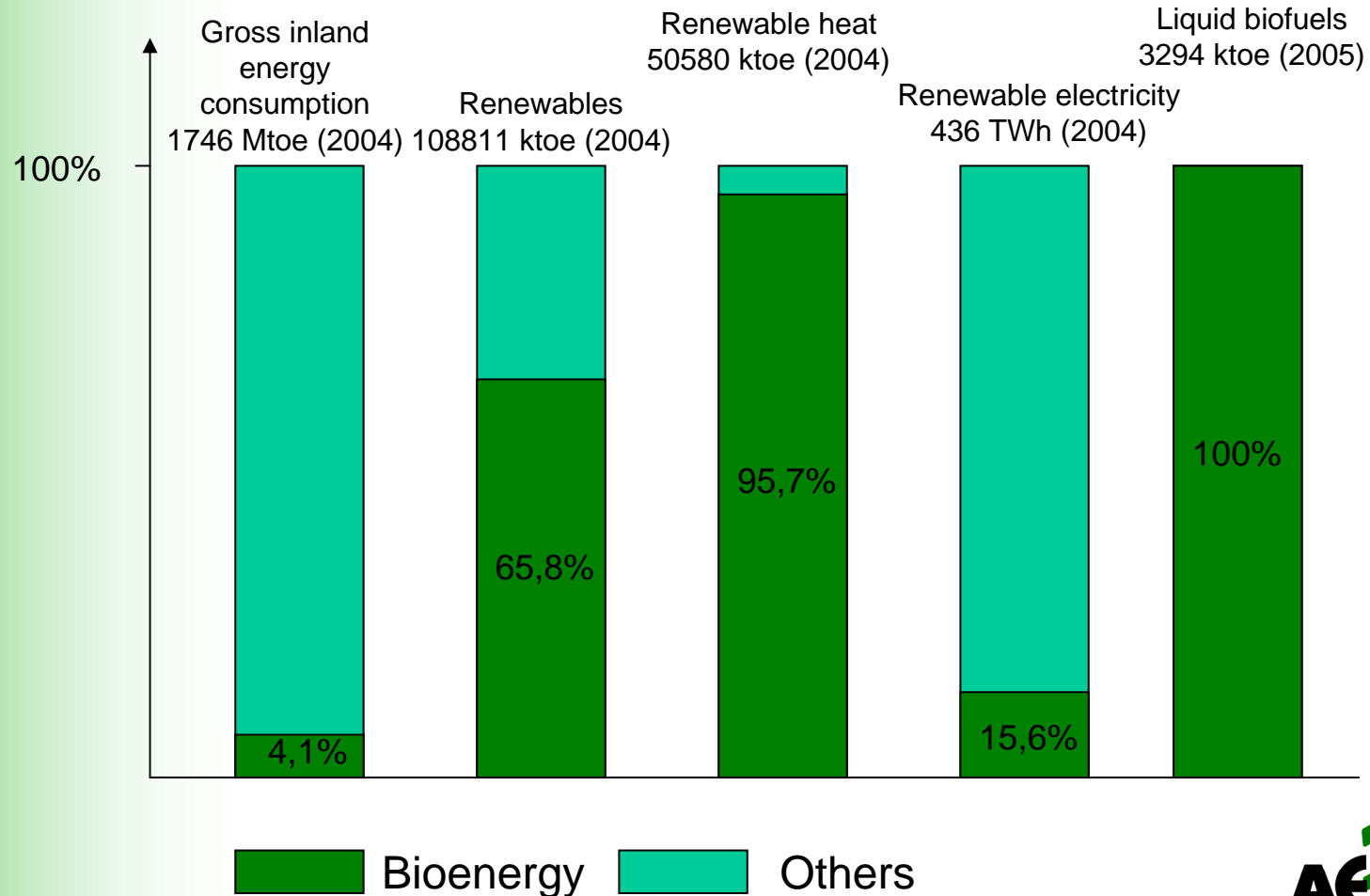
18. Norwegian Biomass Association - NOBIO

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Bioenergy in Europe

Bioenergy is by far the most important renewable energy source



Source : Eurostat

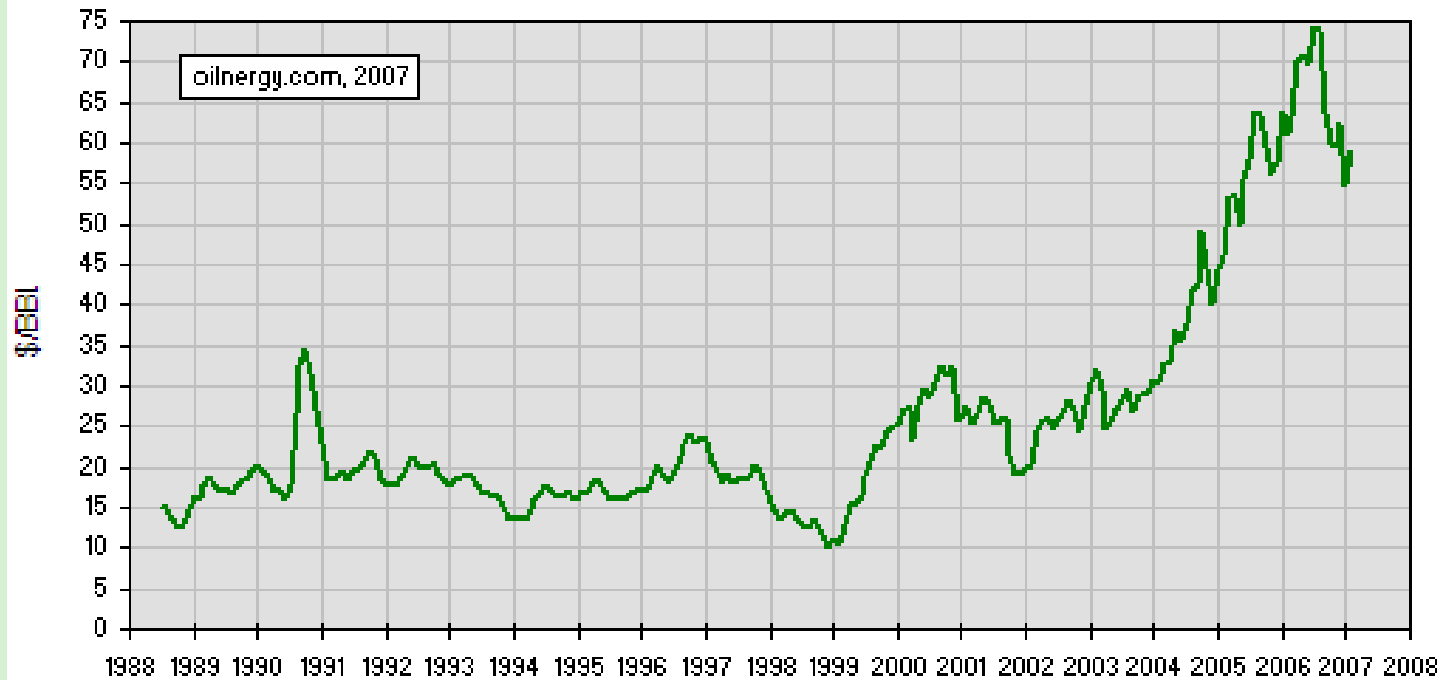
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Framework for Bioenergy

Energy crops are more and more competitive with fossil fuels

IPE Brent Crude Oil Closing Price (begin July 1988)



Average monthly data from July 1988 through February 2007

Example : dry wood at 100 €/t ~ light fuel oil and 20c€/l



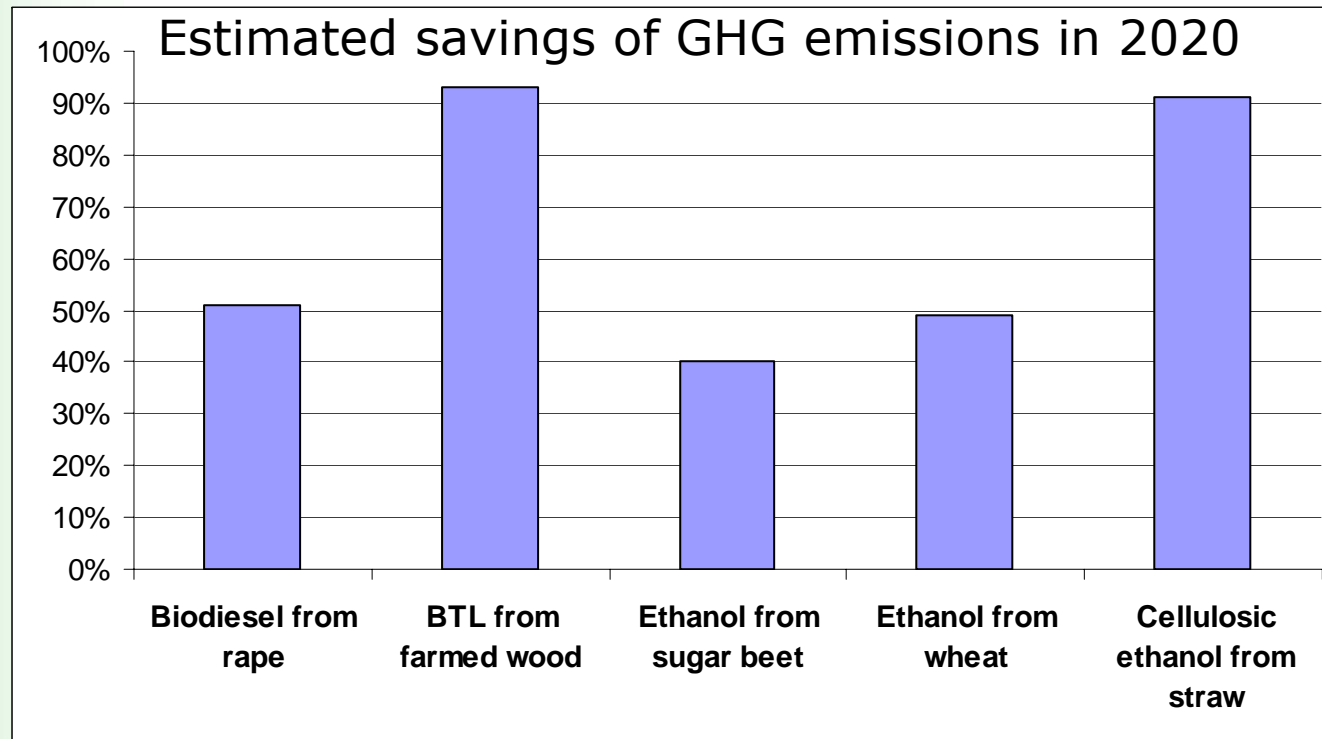
Source : www.oilnergy.com

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Framework for Bioenergy

Bioenergy significantly reduces greenhouse gas (GHG) emissions



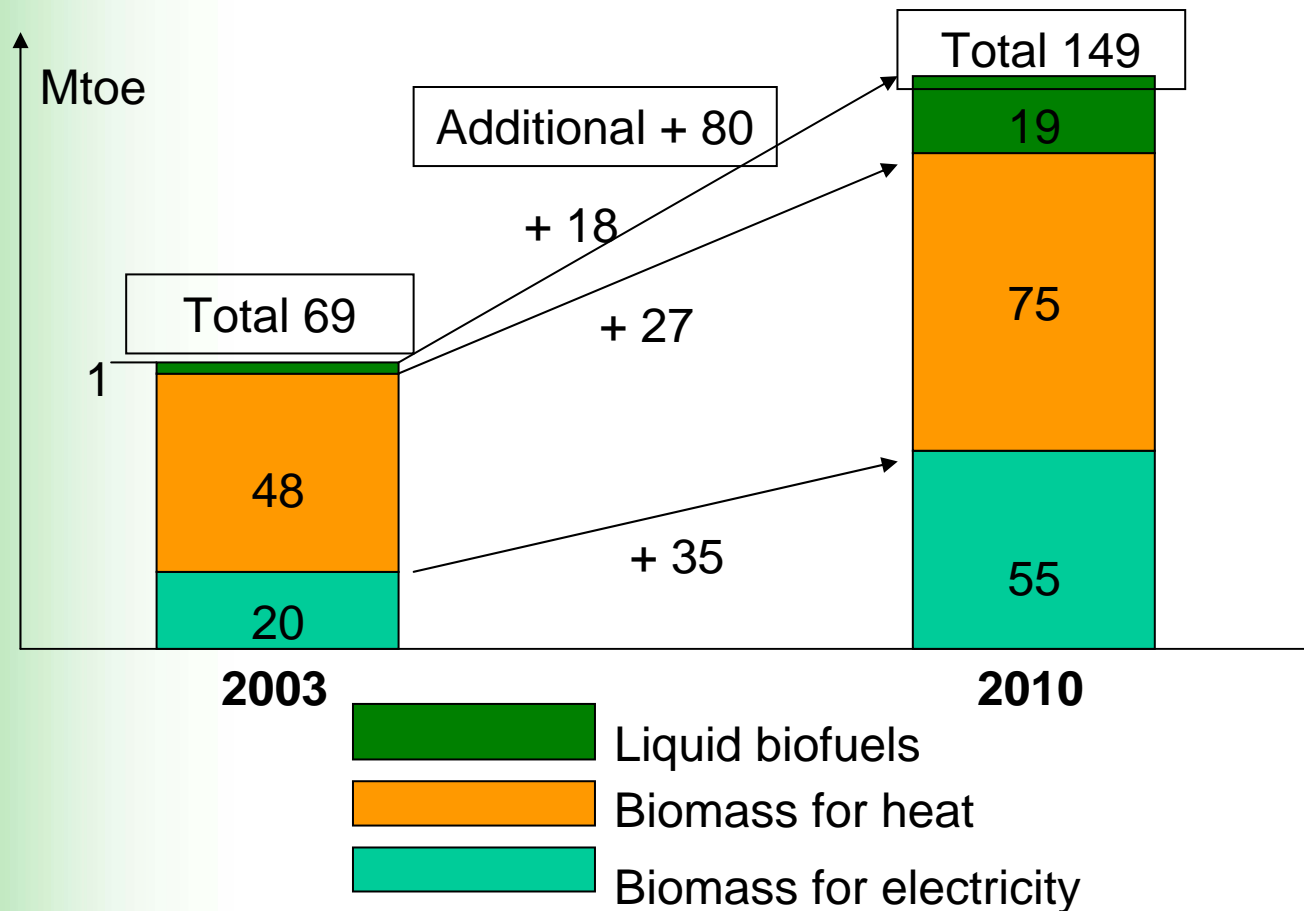
Source : SEC(2006)1721/2

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Framework for Bioenergy

Biomass Action Plan : ambitious targets for 2010



Source : COM(2005)528

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Framework for Bioenergy

Renewable Road Map : an important step for the coming years

- Binding target of 20% share of renewable energies in overall EU energy consumption
- Binding minimum 10% target for transportation biofuels
- National Actions Plans

Source : COM(2006)848, Council decision 9 March 2007

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Opportunities for farmers

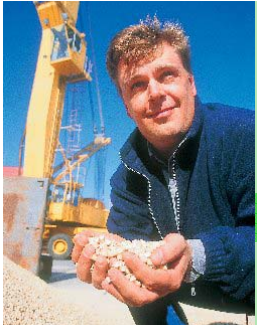
Agriculture : the largest potential for bioenergy

Figure 1 *Environmentally-compatible primary bioenergy potential in the EU*



source : EEA





Opportunities for farmers



Traditional crops for liquid biofuels

- Investments
- Demand impacts the market for agricultural commodities
- Image of agriculture



Photo : Claas

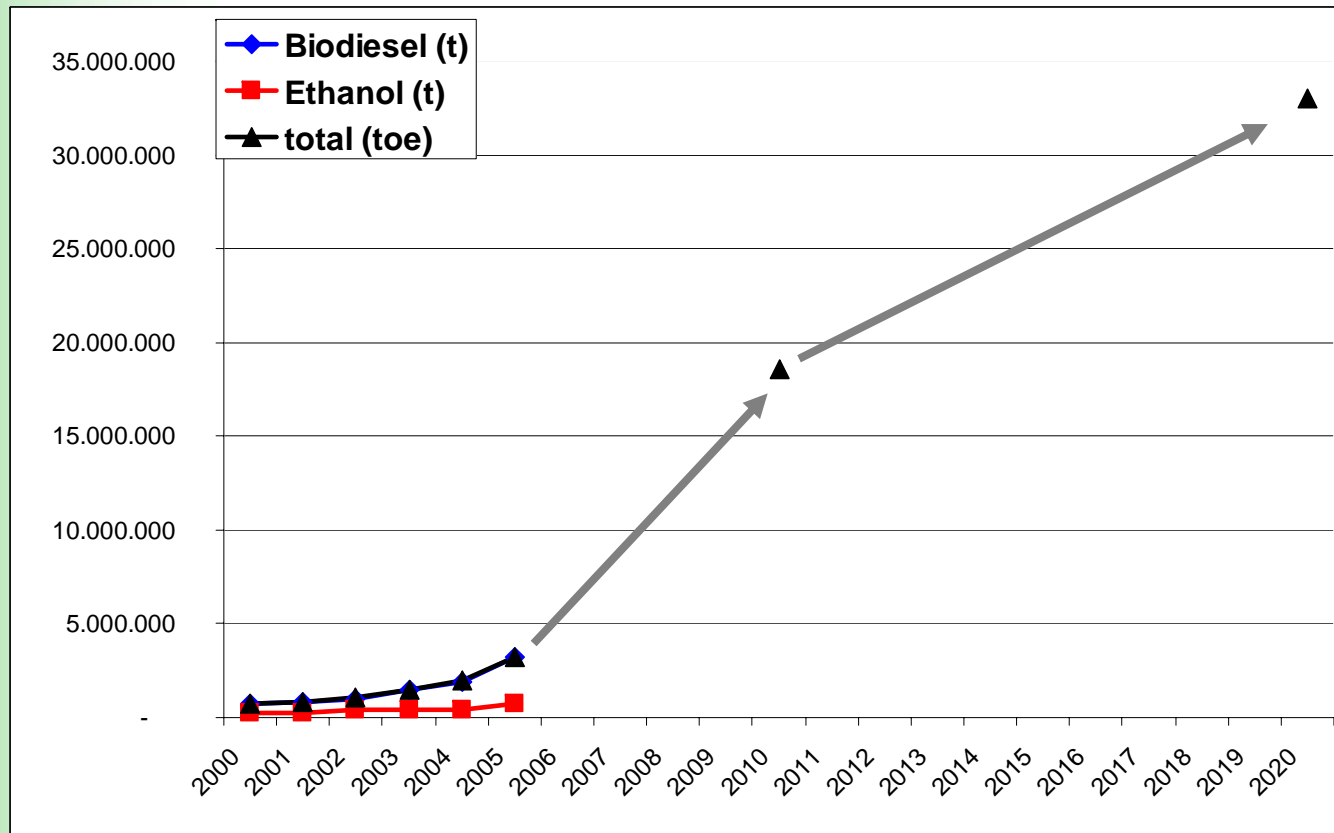
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Opportunities for farmers

Transportation biofuels : strong growth can still be expected



Opportunities for farmers

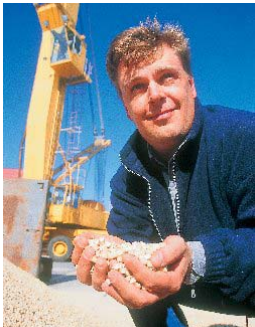
Dedicated crops for cogeneration and second generation biofuels : promising alternatives

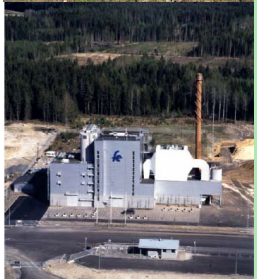
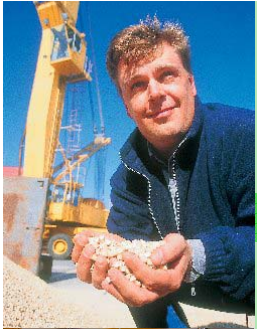


- Low input crops
- Attractive energy and CO₂ balances
- Opportunities for high value added for farmers

Photo : www.switchgrass.nl

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Thank you for your attention

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