

Ghent Bio-Energy Valley supports the EU proposal for sustainability criteria for biomass

Prof. Wim Soetaert







Ghent Bio-Energy Valley

Public Private Partnership for the promotion of sustainable bio-based activities and economic development in the Ghent region

Website: www.gbev.org



Public organisations









Industrial members



































Actions of Ghent Bio-Energy Valley

- Technological innovation: building Research and Development expertise in the field of bio-energy
- Cluster formation in the port of Ghent: building synergies between the industrial partners
- Sensibilisation of the public: organisation of information campaigns about bio-energy

Ghent has excellent conditions for building the bio-based economy

- The port of Ghent has traditionally been very strong in the handling of agricultural commodities
- The Ghent region is a world class player in the field of biotechnology
- The starting biofuel production is laying the industrial base for building the bio-economy



The port of Ghent wants to become the largest bio-port of Europe



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Towards a sustainable society

Our News

22.01.06 - 24.01.06/ Winning, verwerking en gebruik van koolzaadolie als biobrandstof -Bedrijfsmissie naar Beieren

More...

19.01.06/ Mini-Seminarie Biobrandstoffen - Autosalon

More...

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Welcome

to Ghent Bio-Energy Valley

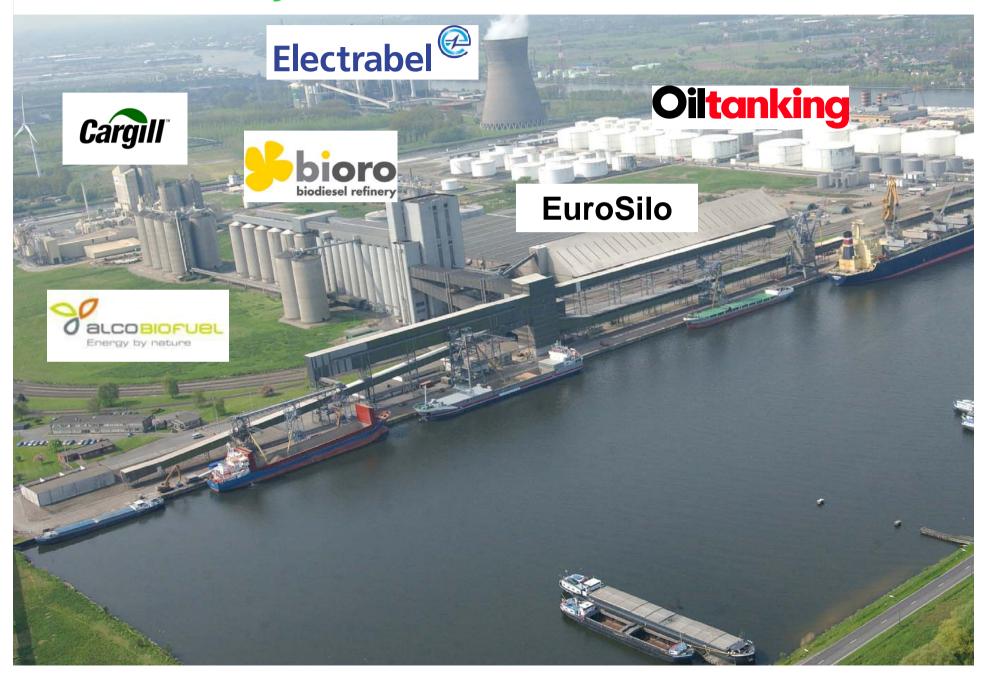
Ghent Bio-energy Valley is a Public Private Partnership aiming to support the development of sustainable bio-energy activities and resulting economic growth in the region of Ghent, Belgium.

Ghent Bio-energy valley is a joint initiative of Ghent University, the city of Ghent, the port of Ghent and several industrial companies from the Ghent region that are active in the field of bio-energy generation, distribution, storage and use.

Ghent Bio-energy Valley aims to promote the development of bio-energy through collaborative programs, initiatives and synergy between the partners in the fields of Research & Development, structural measures and policy, logistics and communication towards the general public.

! GBEV op het autosalon 2006!

Biorefinery Rodenhuizedok - Port of Ghent



Biorefinery Rodenhuize docks: The largest integrated production complex for biofuels in Europa

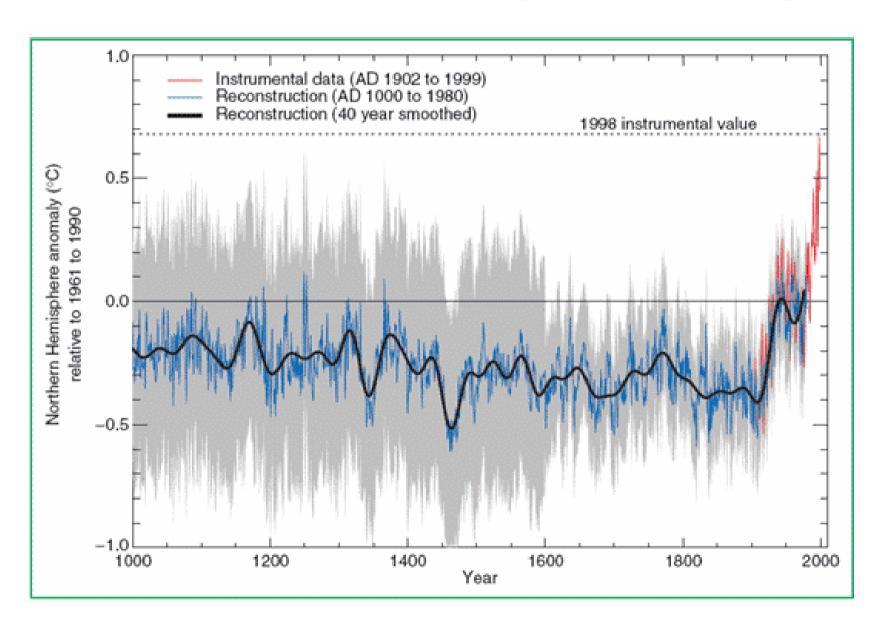


Production 250.000 ton biodiesel



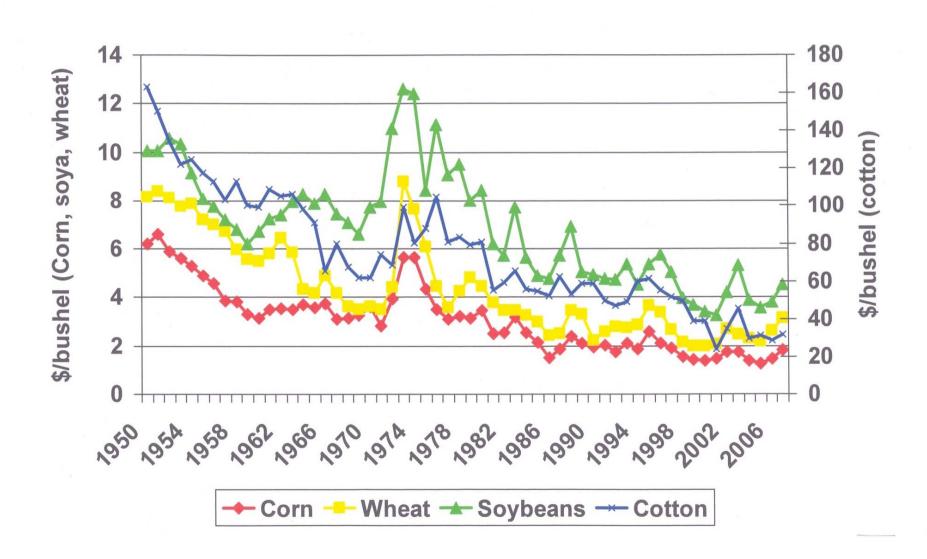
ALCO BIO FUEL Production 150.000 m³ bio-ethanol

"Hockeystick" curve of global warming





Long term real crop prices in \$US of 1982



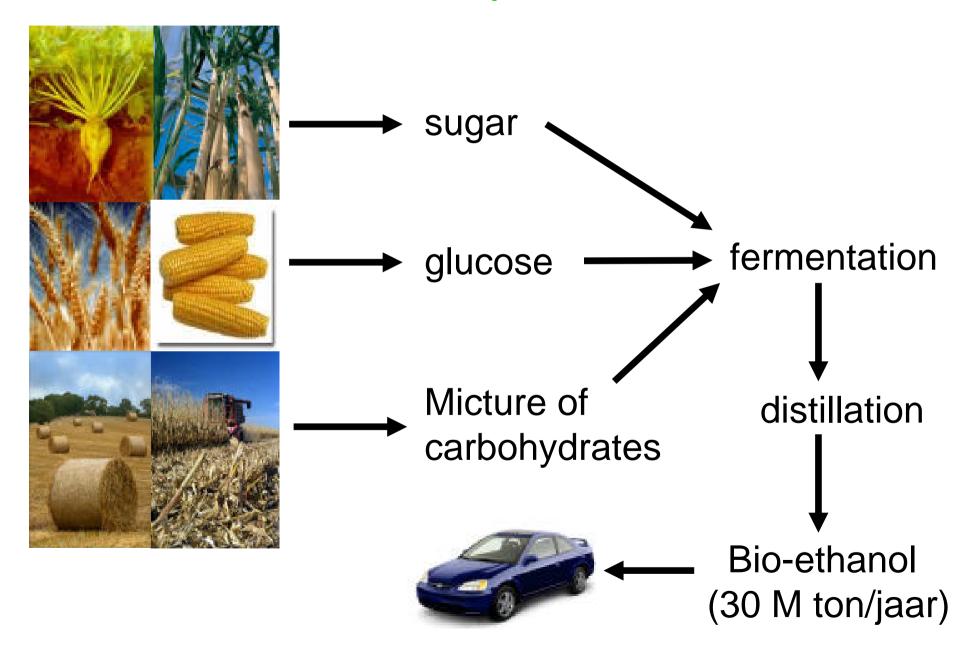
- Biofuels are NOT the main cause of increased food prices. The main reason is the increase in food consumption, particularly from developing new economies such as China
- Increased prices for agricultural resources are one of the most effective ways to reduce poverty: 80 % of the 2 billion people that earn less than 2 \$ per day live in rural areas
- Bio-energy offers excellent perspectives for many developing countries to secure their own energy requirements and to support their rural economy

 Sustainability problems with biofuels are not related to the production processes of biofuels as such, but to the supply of the biomass recources

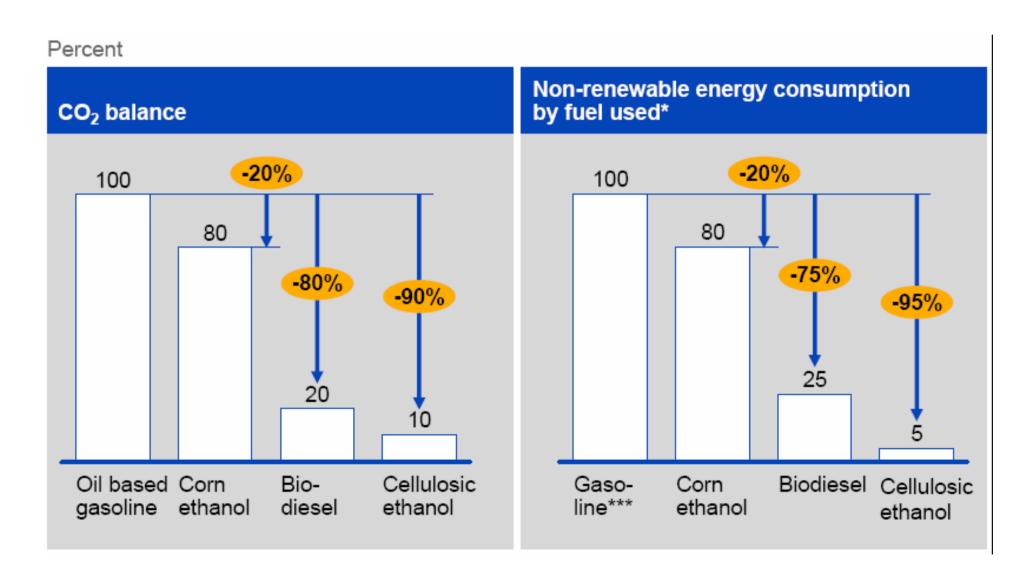
- Sustainability problems with the production of biomass resources for biofuels are mainly situated in the tropics.
- Europe can reach the 2020 target (10 % biofuels)
 based on European biomass production

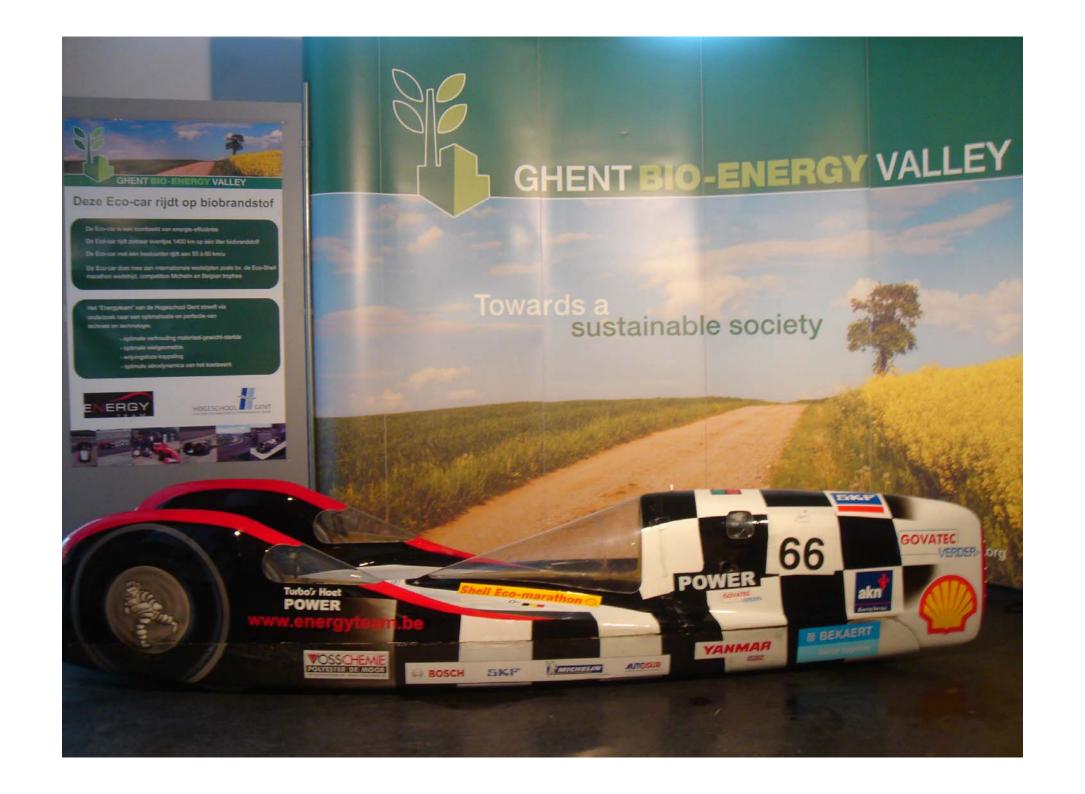
- Ghent Bio-Energy Valley supports the EU proposal for sustainability criteria for biofuel production and considers these measures to be in the interest of both the bio-energy industry and the planet
- Sustainability criteria must apply to ALL uses of biomass ressources, not only for biofuels but also for food, feed, cosmetics, wood,....
- Sustainability criteria that apply only for biofuels are not workable in practice and do not support the global sustainability goals aimed for

Research & Development: bio-ethanol

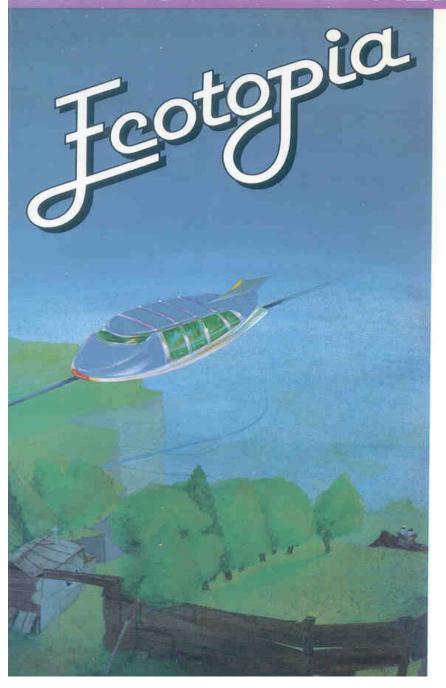


Eco-efficiency advantages of second generation biofuels





ERNEST CALLENBACH



land met welvaart, vrijheid en veiligheid, maar ook met een verbijsterende traditie; het rituele oorlogsspel.....

le Verenigde Staten en vormt, hermetisch afgesloten een ver ee omringende wereld, een ecologisch utopia.

- Will Weston krijgt, als eerste verslaggever, emming om Ecotopia te bezoeken, en vindt een

In 1975, Ernest Callenbach wrote a science fiction novel called

ECOTOPIA

in wich he describes the biobased society of the year 1999.

Today, more than 30 years later, we can say:

- ✓ His timing was wrong but nevertheless,
- ✓ His prediction of where
 this is heading proved
 surprisingly accurate.



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