

# **DRAFT BULLET POINTS – MATS HELLSTRÖM OPENING SPEECH**

## **SYNBIOS CONFERENCE 2005-05-18**

1. As the Stockholm County Governor I am delighted to welcome more than 200 distinguished delegates from 26 nations to this important conference. The topic of the SYNBIOS conference is central and at the top of the energy and environmental agendas of the world.
2. I would like to extend a special thank you to the European Commission, the Swedish Energy Agency and the Swedish Road Administration for supporting the arrangement of the conference. I will also thank Ecotrafic and Nykomb Synergetics for arranging this conference. We are especially honoured and pleased that the IEA Bioenergy Task 33 and the International DME Association also have chosen this event as their venue for their proceedings.
3. The focus on efficient ways to secure supply of automotive fuels is critically important and it is here and now – Stockholm, Sweden, the EU, the world. The SYNBIOS conference is therefore timely and important.
4. Growth in GNP is closely coupled to growth in transportation and demand for automotive fuels. 98% of the EU consumption of transport fuels comes from fossil resources and more than 50% comes from outside the EU.
5. The challenges to be met in the future supply of automotive fuels include:
  - a. Increasing share of sustainable fuels in the total automotive fuel pool
  - b. Making fuels CO<sub>2</sub> and energy-efficient from "well to wheel", for the "life cycle"
  - c. Minimising the environmental impact – again during the full life cycle
  - d. Maximising energy security – and therefore regional production alternatives
  - e. Economics must make sense.

This conference will serve to highlight the new second generation automotive fuel alternatives and the most effective manufacturing routes for these fuels.

6. Sweden and Stockholm are very actively working to find effective solutions to these challenges:
  - a. The Swedish Road Administration plays a central role in defining and evaluating routes forward in terms of candidate fuels, engines and urban planning issues
  - b. The Swedish Energy Agency, which has over a long period of time funded research and development focused on producing very tangible results –

currently with three key focal areas:

- i. The Chemrec technology to produce new green energy carriers based on spent cooking liquids in the pulp industry is being demonstrated in a new facility in Piteå, co-located with large pulp mills, which may become large-scale producers of green automotive fuels
    - ii. Biomass to Green automotive fuels through gasification is the focus for an the EU project CHRISGAS at Värnamo
    - iii. Ethanol production based on cellulose is being demonstrated at Örnsköldsvik
  - c. Sweden currently has a blend-in program for motor alcohols, ethanol, in the gasoline pool targeting 10%, supported by tax exemption for the blend components etc. New legislative provisions are being discussed, green certificates etc.
  - d. The City of Stockholm has for several years conducted fleet trials for urban bus transport based on green fuels.
7. A final word – these issues are not local or even regional – the concerns are global, so I am pleased to note that the SYNBIOS conference indeed has a global scope for the production of the second generation of automotive fuels – methanol, DME, FT-Diesel, Hydrogen etc.

I am sure that we will see rapid development and growth in the availability of these new sustainable fuels. It is a societal priority, and a commercial priority – again meeting the criteria of environmental and energy efficiency, sustainability, CO<sub>2</sub>-efficiency in the whole lifecycle from production of the fuel to its transformation into transport work. I declare the SYNBIOS conference opened.