



*Puts You In Touch With  
Innovative Energy Technologies*

# *CO-OPET conference* *Energy issues in transport*

*Day 1: Deploying new technologies and efficiency  
measures to reduce transport's CO<sub>2</sub> emissions*

*Passenger cars – inland shipping – urban transport*

*Day 2: Strategies to implement the European  
biofuels directives*

*25 - 26 May 2004*

*Grand Hotel Mercure*

*Rue Royale / Koningsstraat 250, Brussels*





*CO-OPET conference*  
**Energy issues in transport**

*25 - 26 May 2004*

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## Deploying new technologies and efficiency measures to reduce transport's CO<sub>2</sub> emissions

Energy consumption in the European transport sector causes roughly 30% of emissions of CO<sub>2</sub>, the leading greenhouse gas. Road transport is the main culprit since it alone accounts for over 80% of the CO<sub>2</sub> emissions attributable to transport. The deployment of new technologies and efficiency measures to reduce transport's CO<sub>2</sub> emissions is therefore a major objective for the European Union. New energy technologies that can improve this situation include hybrid vehicles, fuel-saving in-car instruments and new fuels such as biofuels and hydrogen. Energy saving technologies and measures can also help to strengthen the competitiveness of inland shipping.

The international conference in Brussels will present and discuss options for saving energy and changing to low CO<sub>2</sub> fuels for passengers cars, inland shipping and public transport. It will give special attention to the question of bringing these options to the market.

### The conference will bring together policy makers and practitioners from:

- national governments
- regional and local energy management agencies
- automotive industry
- users and producers in inland shipping
- user organisations
- research organisations
- organisations involved in public transport
- European Commission



## Energy issues in transport

9:00 Registration and coffee/tea

### Plenary session

Chair: Mr. Hoyos Perez, EC - DG TREN

9:30 Opening

by Mr. Hanreich, EC - DG TREN

9:45 Address by Member State representatives

by Ms. Fientje Moerman, Belgian Minister of Energy - Ms. Maria Graça Carvalho, Portuguese Minister of Science and Technology (to be confirmed)

### EC Report: Market Development of Alternative Fuels

by Mr. Jorgen Henningsen, EC - DG TREN

### Local action for clean and low CO<sub>2</sub> transport in Stockholm

by Mr. Gustaf Landahl, Miljöförvaltningen, Stockholm Municipality

### Clean transport for Beijing Green Olympics

by Prof. Ma Chongfang, College of Environmental & Energy Engineering, Dean

12:00 Lunch

### Parallel sessions

13:00 Session 1: Energy saving technologies and low CO<sub>2</sub> fuels in passenger cars

Chair: Mr. Joop van Meel, Novem

### CO<sub>2</sub> reduction technologies for road transport

by Mr. Lew Fulton, IEA

### Reduction of CO<sub>2</sub> emissions from passenger cars, present and future - GM's vision

by Mr. Luc Vinckx, International Regulations Europe, General Motors Coordination Center

### From Gas to Liquid to SunFuel: environmentally liquid fuels for the future

by Mr. Frank Seyfried, Volkswagen Group Research

### Toyota's strategy for clean and economical cars

by Mr. Stephen Stacey, Toyota Europe

### An evaluation of developments in engines, fuels and fuel cells

by Prof. Tiago Lopes Farias, Institut Superior Técnico

### Fuel-saving in-car devices: results from recent studies and projects

by Mr. Peter Wilbers, Novem

### CleanerDrive: informing consumers and fleet managers about clean cars

by Mr. Bob Saynor, Energy Saving Trust

15:45 Forum discussion

13:00 Session 2: Energy innovation in inland shipping

Chair: Ms. Ina De Vlieger, VITO

### Inland shipping policy objectives and initiatives

by Mr. Niek ten Holt, Dutch Ministry of Transport/CCR

### Solar and fuel cell boats on lake Geneva

by Mr. Pascal Favre, City of Lausanne Utilities, Switzerland

### DORIS - Donau River Information Services

by Mr. Gerhard Gussmagg, via donau

### Eastern-European needs and inland shipping innovation

by Mr. Ioan Cuncev, ENERO Romania

### Dutch experiences with inland shipping innovation and FP6 project CREATING

by Mr. Hein de Wilde, ECN

15:45 Forum discussion

13:00 Session 3: Local and regional energy action in public transport

Chair: Mr. Mohamed Mezghani, UITP

## Clean fuels for road public transport

by Mr. Arno Kerkhof, UITP

## CIVITAS Clean Urban Transport demonstration programme

by Mr. Marcel Rommerts, EC - DG TREN

## CUTE hydrogen bus project in Madrid

by Mr. Arturo Martinez Ginestal, Public transport company Madrid

## Diesel exhaust aftertreatment in buses

by Ms. Martine Van Poppel, VITO

## Sustainability in the Urban Public Transport Market

by Mr. Mark Hidson, ICLEI

## STEPUP: environmental decision support for public transport authorities

by Mr. Robert Motshagen, Novem

15:45 **Forum discussion**

16:15 **Regrouping to plenary session**

16:30 **Open stage for announcements and partner search for new joint projects; closing**

## Strategies to implement the European Biofuels Directives

9:00 *Registration and coffee / tea*  
Morning chair: Jan Kretzschmar, VITO

9:15 **Opening**  
by Jan Kretzschmar, VITO

9:30 **EU Strategy on biofuels**  
by Paul Hodson, EC - DG TREN  
**Non technical barriers for the introduction of biofuels**  
by Etienne Poitrat, ADEME  
**Impact of biomass and biofuels on employment**  
by Marc Timmer, EUFORES

11:00 **Coffee break**

11:15 **Technology assessment of biofuels in Belgium**  
by Ina De Vlieger, VITO  
**Biodiesel in various European countries**  
by Raffaello Garofalo, European Biodiesel Board  
**European production and distribution of bio-ethanol**  
by Thomas Gameson, Abengoa

12:30 **Lunch**

Afternoon chair: Ann Segerborg-Fick, STEM

14:00 **Environmental performance and cost issues of biofuels**  
by Erik van den Heuvel, Novem  
**Biodiesel production and distribution in Germany**  
by Joosten Connemann, Ölmühle Leer  
**Used frying oils for biodiesel production in Austria**  
by Martin Mittelbach, KF. University Graz

15:15 **Coffee break**

15:30 **Use of pure plant oils in vehicles**  
by Klaus Elsbett, Elsbett  
**Advanced biofuels for transportation**  
by René van Ree, ECN  
**Results of the OPET survey on biofuels strategies in Europe**  
by Leen Govaerts, VITO

16:45 **Closing remarks of the day**

PROGRAM DAY 2



## Day 2

## Strategies to implement the European biofuels directives

The EC Green Paper on energy supply introduced the objective of 20% substitution of fossil fuels by alternative fuels in the road transport sector by the year 2020. The Commission sees a scenario of three main potential alternative ranges of fuels that should lead to the desired substitution: biofuels, natural gas and hydrogen. In November 2001 the EC launched an action plan for the promotion of biofuels for transport with two proposals for directives, which were adopted in 2003. Directive 2003/30/EC establishes a scheme for the introduction of biofuels, starting with a proportion of 2% of fuel consumption for road transport in 2005 up to 5.75% in 2010. The other directive 2003/96/EC allows member states to apply a reduced rate of excise duty on biofuels.

The international workshop in Brussels will discuss the policy of the European Commission and look at strategies the member states can follow to introduce biofuels according to the directives. The focus will be on non-technical barriers in the biofuels supply and examples of practises in various countries will be shown. New evolutions in the area of biofuels will also be highlighted.

### The workshop is directed towards :

- national governments
- regional and local energy management agencies
- biofuel producers
- fuel industry
- automotive industry
- user organisations
- research organisations

# CO-OPET conference

## Energy issues in transport

25 - 26 May 2004



### Registration :

Name : \_\_\_\_\_

First name : \_\_\_\_\_

Company/Institution : \_\_\_\_\_

Function : \_\_\_\_\_

Address : \_\_\_\_\_

Tel : \_\_\_\_\_ Fax : \_\_\_\_\_

E-mail : \_\_\_\_\_

Date : \_\_\_\_\_ Signature : \_\_\_\_\_

- I will participate in Day 1: 'Deploying new technologies and efficiency measures to reduce transport's CO<sub>2</sub> emissions' on 25 May 2004. No registration fee is required for this event. Please specify which afternoon session you prefer to attend:

- passenger cars
- inland shipping
- urban transport

- I will participate in Day 2: 'Strategies to implement the European biofuels directives' on 26 May 2004. The registration fee for this workshop is 121 EUR (incl. 21% VAT)

- I will transfer 121 EUR (incl. 21 % vat) to the VITO account nr 435-4528191-20, BIC-code KREDBEBB and IBAN-code BE28 4354 5281 9120, mentioning "Biofuels workshop 26052004"
- I wish to receive an invoice. My vat number is :

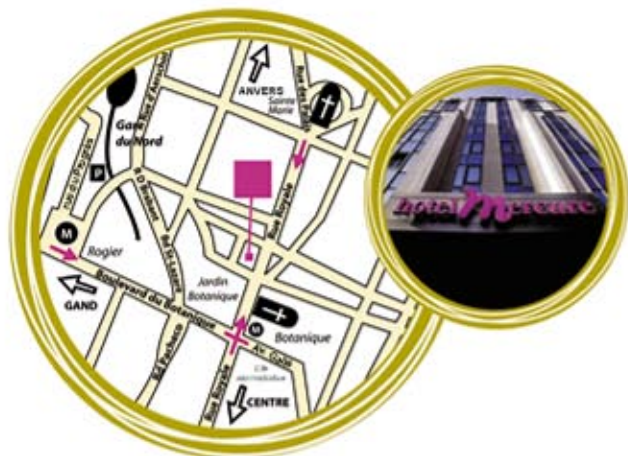
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Please send the registration form to VITO, Inge Boeckx, Boeretang 200, 2400 Mol, Belgium or fax +32 14 32 11 85

On-line registration: <http://www.managenergy.net/conference/coopet0504.html>

**Day 1 :** Remco Hoogma (Novem), tel:+31 30 23 93 768 (r.hoogma@novem.nl)

**Day 2 :** Leen Govaerts (VITO), tel:+32 14 33 58 21 (leen.govaerts@vito.be)



**Dates :** 25-26 May 2004

#### Accommodation :

**For hotel reservations in Brussels you can contact the following company :**

Resotel - Hotel & Services Reservations  
(Website : <http://www.resotel.be>)

122, avenue de l'Atlantique

B- 1150 Brussels Belgium

Tel + 32 2 779 39 39

Fax + 32 2 779 39 00

E-mail : [info@resotel.be](mailto:info@resotel.be)

#### Venue :

Grand Hotel Mercure Brussels Royal Crown

Rue Royale / Koningsstraat 250

1210 Brussels, Belgium

Tel. : +32 2 220 69 06

Fax : +32 2 220 69 02

#### How to get there :

**by car :** coming from motorway (Antwerp, E19 or Gent, E40) follow Brussels Centre and signs 'Botanique'

**by train :** North Station, Gare du Nord (15' direct train from Airport, several trains per hour)

**by metro :** underground station Botanique

**General**  
information