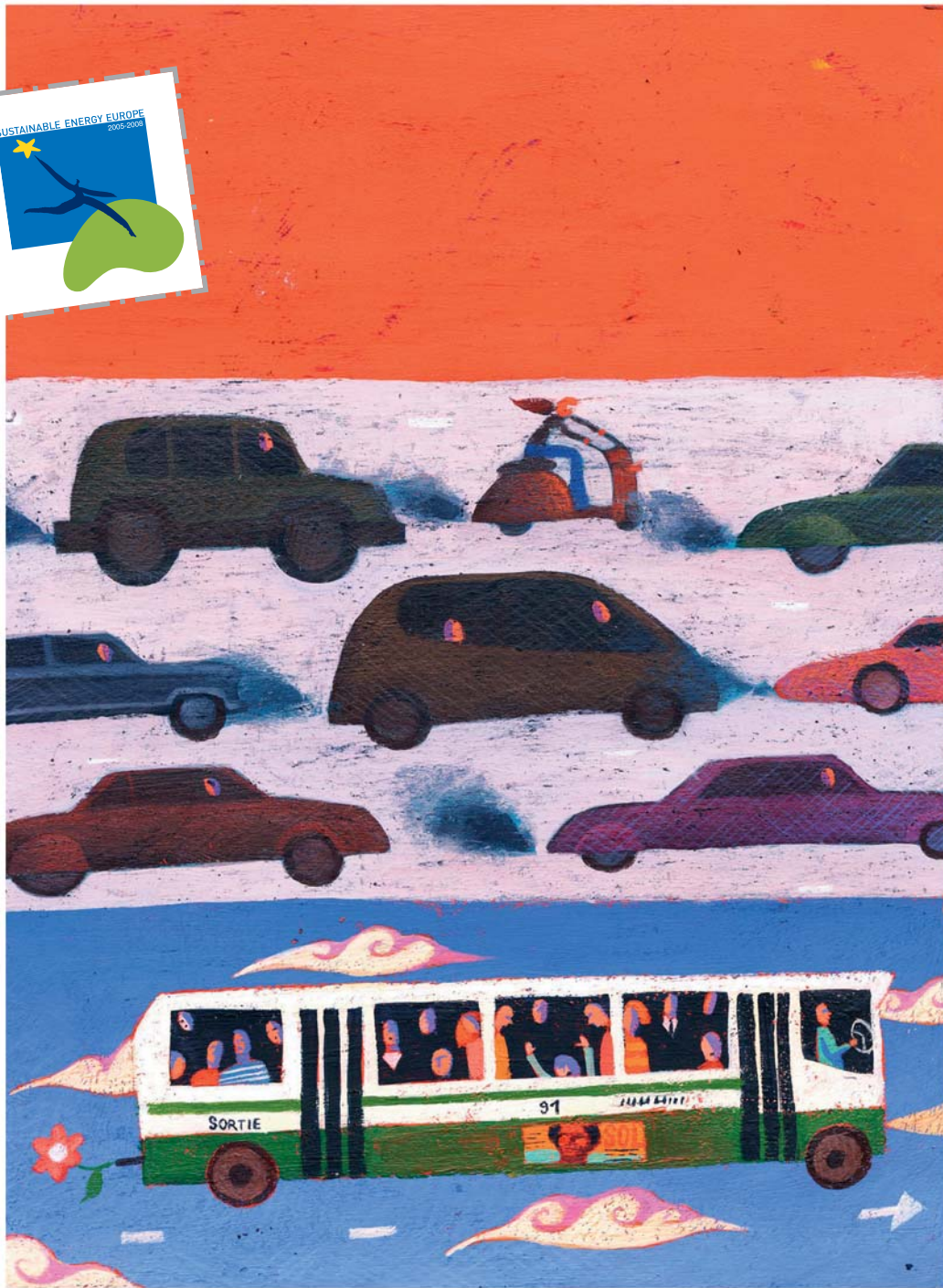


LILLE, 24 and 25 September, 2007

# Clean buses

6<sup>th</sup> Study Days Encounter



First held in 1996, the “**Clean Buses**” Study Days, organised by ADEME, GART and UTP, will hold its 6th encounter on **September 24<sup>th</sup> and 25<sup>th</sup>, 2007** in the northern French city of **Lille**.

This will be an occasion to make a complete assessment of the **progress made in the various sectors for buses** since 2004: NGV, LPG, diester, diesel with particulate filters and the DeNOx (SCR, EGR) system.

Particular attention will be paid to the **new Euro 4 engines**, the **new sectors** and the **biofuels**, in particular on our visit to the Centre for the Organic Recycling of Fermentable Household Waste which has recently been built to supply Biogas to the buses of the urban area of Lille and the bus garage where the buses refuel.

The **LCA** (Life Cycle Analysis) of biogas, conducted by ADEME, will be presented with a view to defining the best possible conditions in which to use it.

There will be in-depth presentations of the French and European **network experiences** in the use of biofuels or hydrogen, in particular with the systems in Stockholm (ethanol and biogas), Helsinki (2<sup>nd</sup> generation of biofuels: NexBTL) and Munich (hydrogen for internal combustion engines).

The European **Biogas Max** and **Starbus** projects will be discussed, in particular the European version of the **SIMULIBUS** calculator, which enables each system to assess its future (10 years) operating costs through estimates of equipment (PFs) or renewal of the vehicle park and to make economic, energy and environmental comparisons of sectors.

ADEME will also present the outcomes of **experiments** it has recently carried out with a comparison of the various sectors, enabling systems to make the right choices.

**Bus makers and energy suppliers will discuss developments in what's on offer.**



LILLE, 24 AND 25 SEPTEMBER, 2007 CLEAN, ECONOMIC BUSES

# Monday, September 24<sup>th</sup>, 2007

## MORNING

### Technical visit

NB: for safety reasons, this technical visit is limited to the first 120 people to register

**The Centre de Valorisation Organique (CVO) et le dépôt des bus alimentés en Biogaz-carburant (the Sequedin Centre for Organic Recycling and the bus garage for buses that run on biogas fuel).**

The *Lille Métropole Communauté Urbaine* (the greater Lille urban area) encompasses 87 parishes and 1.2 million people for whom it manages 710,000 tons of collected waste per year. Analysis of differing possibilities has shown the gains to be made by this inter-community facility in both economic and environmental terms with the bio-methanization of waste and the recycling of methane as a biofuel for running the buses used in the Lille area.

This technical visit to the CVO will help you understand the reasons for choosing biogas for the Lille area. It will give you the chance to see how waste recycling is organised, the biogas production process and, by visiting the bus garage where the fuel is used, the logistics issues of fuelling, maintenance and safety.

**9 am** Welcome to the Chambre de Commerce et d'Industrie (CCI), Place du Théâtre, 59000 Lille

**9:30 am sharp** Departure by coach to Sequedin

**10 am**

- Alternating group visits - to the CVO Recycling plant by François Flamant, Head of project, *Lille Métropole Communauté Urbaine* - and the bus garage by Serge Vermeeren, in charge of the Bus Sequedin unit
- Alternating group presentation of life-cycle analysis (LCA) of biofuel by Sandrine Wenisch, Engineer, Department of Optimised Waste Management (GEODE), ADEME

**12:45 pm** Return to the Lille Chamber of Commerce and Industry

**1:15 pm** Buffet lunch

## AFTERNOON

**2 pm** Welcome to the participants not present at the technical visits

**2:15 pm** **Introduction**  
by Alain Morcheoine, Director of Noise, Air and Energy Efficiency Department, ADEME and Pierre Mauroy, President of *Lille Métropole Communauté Urbaine*

## Examples of the European experience

**2:30 pm** **Stockholm uses biofuels in its buses (biogas and ethanol)**

Lars Nordstrand\*, General Manager of AB Storstockholm Lokaltafiks

**3 pm** **The European Biogas Max contract**

Pierre Hirtzberger, Head of the Development Department Urban Waste, Lille Urban Community

**3:30 pm** **Using a 2<sup>nd</sup> generation biofuel, NexBTL, in Helsinki**

Nils-Olof Nylund, TEC (Trans Energy Consulting Ltd. Finland) General Manager and Reijo Makinen, Officer in charge of the YTC Helsinki bus system

**4 pm** Break

**4:30 pm** **Hydrogen in internal combustion engines**

Patrick Schnell, Director of Sustainable Development/New Energies, Total

**5 pm** **Hybrid bus development in Europe**

Jean Averland, CEO, Evobus France  
Jean Plénat, CEO, Irisbus  
Fredrik Morsing, Head of alternative fuels, Scania CVAB

**“Micro<sup>2</sup>”: Accessible hybridisation**

by Yvon Peurou, General Director of the Gruau Group and Gérard Menou, Head of Products Marketing, Valeo Electrical Systems

**5:50 pm** **The European STARBUS project**

Gabriel Plassat, Engineer, Transport and Mobility Department, ADEME

**6:10 pm** Questions and answers with the participants

**6:30 pm** **European Assessment and outlook**

Arno Kerkhof, Division Manager, International Association of Public Transport (UITP)

**7:00 pm** 1<sup>st</sup> day wrap-up by Patrick Coroller, Head of the Transport and Mobility Department, ADEME

**8 pm** **Dinner**

**INCLUDED IN YOUR PARTICIPATION FEES**

Hotel Carlton - 3 rue de Paris - 59000 Lille  
Tel. +33 (0)3 20 13 33 13

\*to be confirmed

**Tuesday, September 25<sup>th</sup>, 2007**

**MORNING**

- 8:30 am** Welcome
- 9 am** Introduction to the day  
by the President of the *Union des Transports Publics et Ferroviaires* (UTP, Syndicate of public and rail transport companies)

**Feedback from the systems experience on using NGV, LPG, diester and diesel.**

- 9:30 am** **Natural Gas Vehicles (NGVs): Economic and security assessment of operations**  
Christian Bleux, Director, Bus-Transpole, Lille and President of the AFGNV Bus Commission
- 10 am** **The Alt-Hy-Tude project: Hythane, a NGV/H<sub>2</sub> blend**  
Isabelle Alliat, Head of the Alt-Hy-Tude project, Gaz de France
- 10:30 am** **LPG, the sector's assessment and future**  
Bruno Maurin, Director, STUL, Laval
- 10:50 am** Coffee break among the booths
- 11:20 am** **Advances in diesel engines, particulate filters (PFs), DeNO<sub>x</sub> systems, water-diesel emulsions and diester**  
Jean-Loup Gauducheau,  
Engineer in charge of Fuels and Alternative Energies, Veolia Transport

**Effective air-conditioning in buses**

- 12 noon** **The influence of air-conditioning on fuel consumption and greenhouse gas emissions**  
Laurent Gagnepain, Engineer, Transport and Mobility Department, ADEME
- 12:30 pm** Questions and answers with participants
- 12:45 pm** Lunch and coffee among the booths

**AFTERNOON**

**What solutions for systems?**

- 2:15 pm** **Updated multiple criteria comparison of the various sectors**  
Gabriel Plassat, ADEME

**What fuels for tomorrow?**

- 2:45 pm** Round table
- Introduction to the technological and energy developments by Elios Pascual\*, Consultant
- Participants:
- Jean-Louis Berthou, Officer in the Collective Urban Transport Sector of the EDF's Department of Electrical Transport and Vehicles
  - Daniel Le-Breton, Director of Refining Strategy and Development, Transport and Energy Division, Total France
  - Patrick Coroller, Head of the Transport and Mobility Department, ADEME
  - Guy Pierron, Director, Connex Nancy
  - Jean Rincé, Director of Community Transport in Rouen and environs
  - Pascal Zanetta, Director of the Natural Gas Vehicles Project, Gaz de France

- 4:30 pm** The wrap-up of both days  
Alain Morcheoine  
ADEME Director of Noise, Air and Energy Efficiency Department, ADEME  
Michel Destot  
President, GART and Mayor of Grenoble/Member of Parliament

- 5 pm** End of the 6<sup>th</sup> Clean Buses Study Days

**September 24<sup>th</sup> and 25<sup>th</sup>, 2007 sessions**

**will be moderated by**

**Jean-Michel Lobry, journalist.**

**All sessions will benefit from simultaneous English-French translation.**

*\*to be confirmed*

## Practical information

### For the technical visits Monday morning, September 24<sup>th</sup>, 2007

There will be no registration on the spot for the technical visits.

A return (round-trip) coach is planned for Monday morning, departing from the *Chambre de Commerce et de l'Industrie* at 9:30 am sharp.

The Sequedin organic-matter recycling Centre  
Contact: François Flamant: tel.: +33 (0)3 20 21 28 48

Sequedin bus garage and filling station  
Contact: Serge Vermeeren, tel.: +33 (0)3 20 40 41 91

### For the conference hall sessions starting Monday, September 24<sup>th</sup>, 2007, afternoon

#### Venue

Chambre de Commerce et d'Industrie of Lille (CCI)  
Place du Théâtre - 59000 Lille (a 5-minute walk from the Lille-Flandres train station and 10 minutes from the Lille-Europe station).

#### SNCF

Tel. 3635

[www.voyages-sncf.com](http://www.voyages-sncf.com)

Lille-Flandres and Lille-Europe train stations.

An SNCF-conference form (worth 20% reduction on tickets) will be sent to each participant along with their registration confirmation.

#### HOTELS

##### Reservation Centre

BBA (Business Booking Agency)

126 rue du Landy - 93400 SAINT-OUEN

Tel.: +33 (0)1 49 21 55 90 - Fax: +33 (0)1 49 21 55 99

Because of the Rugby World Cup and the activity in Lille during this period, hotel rooms at negotiated prices have been pre-reserved by BBA for the Clean Buses Days.

**You must make contact prior to July 31<sup>st</sup>, 2007.**

Past that date, your request will be processed but without any guarantee of price or proximity.

Reservation form available upon request at [solution@netbba.com](mailto:solution@netbba.com)

##### Office de tourisme de Lille (Lille Tourist Office)

Tel.: +33 (0)8 91 56 2004

[www.lilletourism.com](http://www.lilletourism.com)

##### Lille-Lesquin Airport:

Tel.: +33 (0)8 91 67 32 10

Shuttles to the town centre every hour on the half-hour starting at 5:30 am until 10:30 pm

Shuttles to the airport every hour on the hour starting at 5 pm until 10 pm (stop across from the Centre Commercial of Euralille, a five-minute walk from the CCI, Place du Théâtre).

## AIR FRANCE



TRANSPORTEUR OFFICIEL OFFICIAL CARRIER

MÉTROPOLE AIR France APPROVED

Event: Bus propres 2007/Clean Buses 2007

Event dates: 24 September 2007, 25 September 2007  
Lille

Métropole Air France identity code: SE7431

Price guaranteed: 19 September 2007 to 30 September 2007

#### Issuing Agency in charge of ticketing:

CARLSON WAGONLIT TRAVEL

7 avenue de la Grande-Armée - 75116 PARIS

Case manager: Hanieh, Tel.: +33 (0)1 40 67 07 71 -

Fax: +33 (0)1 40 67 07 77

If absent, call Virginie on +33 (0)1 40 67 07 74

E-mail:

[ag.ltparis.grandearmeetourisme@carlsonwagonlit.fr](mailto:ag.ltparis.grandearmeetourisme@carlsonwagonlit.fr)

This document is mandatory for issuing tickets and may be requested as proof of registration at any point in the voyage.

#### ORGANISATIONAL TEAM

##### ADEME

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• Annick Delannoy, Nord-Pas-de-Calais Delegation  
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Head of Communications

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Tel.: +33 (0)1 40 41 18 27

• Valérie Rathier, Communications Assistant

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##### UTP

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• Véronique Fayos, In charge of Communications and Enhancement

[vfayos@utp.fr](mailto:vfayos@utp.fr) - Tel. +33 (0)1 48 74 73 30

#### REGISTRATION

Brigitte Bouhours, registration manager

[brigitte.bouhours@ademe.fr](mailto:brigitte.bouhours@ademe.fr)

Tel.: +33 (0)1 47 65 23 73

# Bus propres

6<sup>th</sup> Study Days Encounter



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# R E G I S T R A T I O N F O R M

Return before Friday, September 7<sup>th</sup>, 2007

**ADEME - Brigitte Bouhours - Registration Manager**  
**27 rue Louis-Vicat - 75737 Paris cedex 15**  
**Fax +33 (0)1 46 38 37 19**

Bus propres

6<sup>th</sup> Study Days Encounter

For organisational purposes, please specify the following points:

I would like to attend the technical visit on 24 September, 2007, in the morning  YES  NO

I would like to travel on the return-trip coach between the CCI and Sequedin  YES  NO  
(departure at 9:30 am sharp, Sept. 24<sup>th</sup>)

I would like to attend the buffet-lunch on Sept. 24th at 1:15 pm  YES  NO

I would like to attend the dinner-debate on Sept. 24, 2007 at 8 pm  YES  NO



# REGISTRATION FORM

One registration form per person, photocopies acceptable

Return before Friday, September 7<sup>th</sup>, 2007

ADEME - Brigitte Bouhours - Registration Manager

27, rue Louis-Vicat - 75737 Paris cedex 15 - Fax +33 (0)1 46 38 37 19



Mr.  Mrs.  Ms.

Name .....  
First Name .....  
Agency/Company .....  
Address .....  
.....  
Zip Code ..... City .....  
Tel.\* ..... Fax .....  
E-mail .....  
Invoicing address (if different) .....  
.....

## Registration conditions

**Participant fee:** €350\*\* tax incl.

Registration also entitles you to the participant's kit, access to meeting rooms, lunch on September 24<sup>th</sup> and 25<sup>th</sup>, dinner September 24<sup>th</sup>, coffee breaks, access to the exhibition, the "OPTIBUS 2" CD-Rom (worth €60).

**Registration closes on Friday, September 7<sup>th</sup>, 2007.**

Cancellations after September 7<sup>th</sup>, 2007 will be invoiced.

## Bank charges

Bank transfer charges are the client's responsibility.

## Administrative order form

For those administrations that cannot attach payment to their registration form, an order form must be drawn up and signed by the competent authority; payment must be made upon receipt of the invoice.

## Proof of attendance

Your registration should be sent to Brigitte Bouhours (see her particulars above).

## Important

These study days are not a training course. ADEME cannot therefore furnish a certificate attesting to the completion of a training course.

I have read the registration conditions for the 6<sup>th</sup> Clean Buses day and wish to register.  
I hereby certify that I have the authority to place this order.  
Date, signature and stamp of the company or agency (mandatory)

Please fill in the questionnaire on the back of this registration form.

\*The OPTIBUS 2 CD-Rom contains an access code that is linked to your phone number. Please provide us with it so that we may pre-assign you a code.

\*\*price in €, tax incl. (agency not subject to VAT, dispensation granted by the Minister of the Budget, 15 July, 1993).

## Payment:

### upon registration

(mandatory for any individual or legal entity residing outside of France)

by bank or postal check, to the order of "Régisseur de recettes de l'ADEME"

by credit card:

Visa  Euro/Master Card

Card number

\_\_\_\_\_

Expiry date:

Month .....

Year .....

The last three security numbers on back of card (mandatory)

\_\_\_\_\_

Name and address of cardholder (mandatory)

.....  
.....  
.....  
.....

Card-holder's signature:

.....

### upon receiving invoice

by bank or postal check

by transfer, to the order of:

Agent Comptable de l'ADEME

Mention the symposium's date and the name(s) of the participant(s) in your transfer.

- TP Angers

- Bank code **10071**

- Branch code **49000**

- Account num. **00001000206**

- Key **07**

- Siret (professional register)

number: **385 290 309 00330**

- APE (professional sector) code:

**751 E**

- IBAN : **FR 76-1007-1490-0000**

**0010-0020-607**

- BIC : **BDFEFRPPXXX**



