

## Mobility Initiatives for Local Integration and Sustainability

**Newsletter number 1**    *Dear Reader,*  
September 2005

Welcome to the first edition of the CIVITAS MOBILIS Newsletter. Through this communication, the project partners intend to disseminate the results and share information with the stakeholders of our and other European cities. We hope that this newsletter will be of interest to you. Our aim is to share our experience, activities and outcomes of the project.

In February 2005 the four CIVITAS II demonstration projects (including MOBILIS) officially started. After more than a year and a half of preparation and negotiation the partners from Debrecen (Hungary), Ljubljana (Slovenia), Odense (Denmark), Toulouse (France) and Venice (Italy) kicked off with the implementation of the 46 measures envisaged within the MOBILIS project.

The first important event of the CIVITAS MOBILIS project was the kick-off meeting organised in Toulouse in the middle of March. For the five cities representatives it was the occasion to confirm our motivation to be partner of this initiative and to present the specific city objectives.

Now, it is time for concrete development and real demonstration. Presenting our work progress and the results obtained, the newsletters will facilitate the sharing of information among CIVITAS MOBILIS project partners and our stakeholders who are a key factor for success in achieving sustainable mobility in our cities. We hope that through this Newsletter and other sharing of information we will get you involved in our mobility decision-making processes. Furthermore, we hope that the exploitation of the CIVITAS MOBILIS project outcomes will ensure the multiplication of its impacts through implementation in other cities. The Newsletter is just one of our communication tools. During the life of the project, we plan to use brochures, bulletins dealing with specific topics, web pages and detailed expert reports to get you involved and keep you informed.

The aim of this 1st issue of the CIVITAS MOBILIS Newsletter is to get you as a reader acquainted with some basic information on the CIVITAS MOBILIS partners and the details and start up of the different project activities. In future issues we will report on the progress made in the cities, present focus articles on innovation, dilemmas, good results, obstacles encountered and opportunities that sustainable mobility related project actions face during implementation. We intend to publish the Newsletter every three months throughout the four years of the project. Aware of the ambition of the five cities, I am sure that you will enjoy reading this and forthcoming issues.

*Alexandre Blaquiere*  
CIVITAS MOBILIS Project Manager  
Tisseo / SMTC

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### You will find in this issue:

- CIVITAS MOBILIS cities and partners
- Project management events
- Project implementation reports
- Upcoming events
- MOBILIS within the CIVITAS projects family
- Questions and answers
- Contacts

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## CIVITAS MOBILIS cities and partners

In 2004 the cities of Toulouse (France), Debrecen (Hungary), Ljubljana (Slovenia), Odense (Denmark), and Venice (Italy), and their main local mobility stakeholders established a European partnership for "Implementing Mobility Initiatives for Local Sustainability" – of which the CIVITAS MOBILIS project is the physical result. MOBILIS aims to implement radical strategies for clean urban transport in all five cities and to create a new culture for clean urban mobility in the wider framework

of sustainable development. The project will enable the involvement of all relevant stakeholders and the transfer of good practices to other urban communities across Europe.

Altogether 30 partners work on a range of mobility improvements scattered within eight technical and five policy themes during the four years lifetime of the project.

### The Main Partners:



#### Agglomeration of TOULOUSE (F)

<http://www.tisseo.fr/>

- Syndicat Mixte des Transports en Commu de l'agglomération toulousaine, Tisséo-SMTC
- Communauté d'Agglomération du Grand Toulouse
- Communauté d'Agglomération de Toulouse Sud-Est
- City of Toulouse
- City of Blagnac
- Connex Toulouse
- Gaz de France
- Centre d'Etudes Techniques de l'Equipement du Sud-Ouest
- Agence d'Urbanisme et d'Aménagement du Territoire Toulouse Aire Urbaine



#### DEBRECEN (H)

<http://www.debrecen.hu/>

- Municipality of Debrecen
- DKV Debrecen Transport Company
- Hajdú Volán Transportation Inc.
- Hajdú-Bihar County State Road Maintenance Company
- University of Debrecen, Center of Agricultural Sciences, Faculty of Agricultural Economics and Rural Development



#### ODENSE (DK)

<http://www.odense.dk/>

- City of Odense

COMUNEDI  
VENEZIA



#### VENICE (I)

<http://www.comune.venezia.it/>

- City of Venice
- ACTV S.p.A.
- Azienda Servizi Mobilità S.P.A.
- VESTA S.p.A. Venezia Servizi Territoriali Ambientali
- Agire – Agenzia Veneziana per l'Energia
- Commissario Delegato dal Governo per il Traffico Acqueo nella Laguna di Venezia
- Forma Urbis S.a. S



#### LJUBLJANA (SLO)

<http://www.ljubljana.si/>

- City of Ljubljana
- Ljubljana Public Transport Ltd.
- Chemical Industry TEOL
- University of Maribor, Faculty of Mechanical Engineering, Institute of Energy, Process and Environmental Engineering
- Agricultural Institute of Slovenia
- Regional Environmental Center for Central and Eastern Europe

#### SUPPORTING PARTNERS

- Mobil21 (B)
- Rupprecht Consult – Forschung & Beratung GmbH, (D)

## Project management events

### **CIVITAS MOBILIS – Kick-off Project Steering Group Meeting**

On the 17<sup>th</sup> of March, Toulouse hosted the first Project Steering Group meeting of CIVITAS MOBILIS. The meeting was led by Jean-Luc Moudenc, Mayor of Toulouse and President of Tisséo-SMTC. This event was the occasion for the political representatives of the 5 partner cities to present and discuss the different initiatives envisaged by the cities. It emphasized the high level political commitment to the project and its partnership. This commitment will be essential to achieve the final objective which is to implement radical strategies for clean urban transport in all five cities, building on a broad range of policies and instruments.



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### **CIVITAS Cities meet CIVITAS GUARD**

On the 17-20 May 2005, Ljubljana hosted the CIVITAS II intro event, organized by CIVITAS GUARD. More than 70 participants from 17 CIVITAS I and CIVITAS II cities, the European Commission, ministries and international organizations were enabled to establish horizontal links among participating cities and learn from the experience of CIVITAS I. The event was a successful mixture of informative presentations and interactive working groups. Participants achieved manifold conclusions about future project management and evaluation. The Ljubljana event was also a first opportunity to meet with CIVITAS GUARD project partners, which is a specific horizontal support

action with two main objectives: to offer support to CIVITAS II projects and cities and to the European Commission. The aim is to achieve a significant change in the modal split towards sustainable transport modes.

### **The CIVITAS MOBILIS Technical Coordination Meetings in Odense and Debrecen**

On the 15-16 June 2005, the CIVITAS MOBILIS partners met in Odense to discuss open project management questions and issues.

The second TCM was held in Debrecen from 29-31 August 2005.





# Project implementation reports

Partners from five CIVITAS MOBILIS cities are working on five policy and eight technical themes, common to all CIVITAS projects.

The following common and cross-cutting **policy themes** of implemented measures are covered:

- Social inclusion and equity in mobility
- Transition strategies towards alternative fuel production and use
- Planning and organising mobility at agglomeration level
- Understanding and changing mobility behaviour
- Costs and benefits of using new technologies in transport

The CIVITAS MOBILIS cities are implementing various measures in the following technical themes:

	TOULOUSE	DEBRECEN	LJUBLJANA	VENICE	ODENSE
1. Clean vehicles and alternative fuels	■	■	■	■	■
2. Access management	■	■		■	■
3. Integrated pricing strategies	■			■	
4. Stimulation of collective transport modes	■	■		■	■
5. New forms of vehicle use and ownership	■	■		■	■
6. New concepts for the distribution of goods	■			■	
7. Innovative 'soft measures' for managing mobility demand	■	■	■	■	■
8. Telematics	■	■		■	

■ measures are implemented

During the first period of the CIVITAS MOBILIS project a number of activities have already been initiated.

## 1. CLEAN VEHICLES AND ALTERNATIVE FUELS

### VENICE is aiming to increase CNG buses and introduce LPG as a fuel for boats

There are already 3 pilot boats with new engines fuelled by LPG circulating in the lagoon. The first of the LPG distributors should be ready at the end of the summer. The LPG project was presented at the Sixth Venice Floating Show and has generated widespread interest among private boat owners.

With regard to CNG buses, ACTV has ordered 35 new CNG buses and has started the tender process for the CNG station to be constructed in the bus deposit. Two diesel buses have been converted to CNG buses and are being tested for potential problems before the conversion of others goes ahead.



### Study on production and bus-use of biogas and biodiesel under preparation in DEBRECEN and TOULOUSE

Debrecen and Toulouse started with preparatory work on the study of biogas and biodiesel production and use as bus-fuels. In Debrecen, previous Hungarian experience on biogas use in buses (Győr) and biodiesel



use in diesel engine in Kunhegyes were collected, and some preparatory work has been done on the future use of the bio-fuels. In this regard the VPOP (Directorate General of the Hungarian Customs and Finance Guard) and the PM (Ministry of Finance) have been contacted to identify the legal possibilities of its future use. Significant changes in legal provisions are expected in 2005 regarding bio-fuels.

### **First steps to introduce the use of bio-diesel in public transport in LJUBLJANA**

The first steps have been taken in order to introduce the use of bio-diesel in public transport in Ljubljana.

LPP - Ljubljana Public Transport Ltd and City of Ljubljana announced in May that they would introduce the test use of biodiesel mix in two buses. Test busses will be running on a mixture of biodiesel (25 %) and diesel D2 (75 %). Motor power and quality of exhaust gases will be regularly tested on both buses and in the control fleet. However, the start of testing was postponed because of the need to organize a public tender on biodiesel providers. It is foreseen to start the test in the Ljubljana Mobility Week in September.

In this regard, the Faculty of Mechanical Engineering prepared the Engine test bed to measure the engine characteristics of the MAN D2566MUM engine provided by LPP. The goal is to measure injection process characteristics of the LPP engine and main characteristics of the provided domestic biodiesel.

In this respect, the Agricultural Institute designed a special experimental laboratory press for continuous cold pressing of oil rape with sensors for measurement temperature, rotational speed and torque (energy requirements for pressing oil rape). The goal is to test different sorts of oil rapes to find out which is the best to be harvested in local conditions for the production of quality biodiesel.

## **2. ACCESS MANAGEMENT**

### **Mestre (VENICE) develops a new parking management strategy**

The use of different types of parking spaces, in the city

centre and in the suburbs, is being surveyed in relation to the average turnover time for different areas and public transport connections to the centre of town. All of this information is essential to the definition of the overall parking strategy. Different tariffs for the various parking facilities are currently being decided.

### **Use of differentiated access tariffs and cleaner marine motors in the limited access area in VENICE**

Vesta, which manages the limited traffic zone ("ztl" in Italian) for the tourist coaches, has carried out a study of the types of ztl passes issues between May 2004 and April 2005, necessary for the definition of the new range of tariffs to be applied in relation to the efficiency of the coaches accessing the city.

ASM, which manages the limited traffic area for the tourist launches in the lagoon, has concluded the study on the marine motors with low environmental impacts which are available, with the aim of identifying those which are most modern and have the lowest emissions.

### **Towards more efficient access and parking management in DEBRECEN city centre**

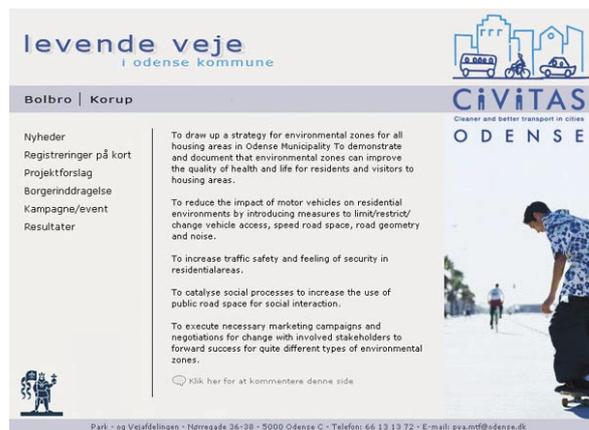
Fifty electronic signal end countdown displays for parking management in Debrecen city centre were purchased through a public procurement procedure, and contract arrangements for the installation of the displays have been made. An article was published in the local newspaper regarding countdown displays, and the indicators for the evaluation of the countdown displays' effect have been set up.

### **Implementing environmental zones in ODENSE**

The first steps have been taken towards implementation of environmental zones in Odense, which will be the first of their kind in Denmark. A time schedule has been made and a web site for this project is being designed. The picture of the web site below is only a draft but gives an idea of the final result. The target of the web site is the citizens in the environmental zones. The web site will tell about ongoing and upcoming activities in the neighbourhood. On the web site they can also read about results, see news and see



the mobility model to reduce speed. They also have the possibility to sign up for newsletters. The web site will be released in September.



## 4. STIMULATION OF PUBLIC TRANSPORT MODES

### Partners in DEBRECEN works on safety and security training for public transport drivers

A coordination discussion between the DKV and Hajdú Volán experts was held in Debrecen as a preparation activity for safety and security training for public transport drivers. The extension of the training activities to the education on treatment and solutions in critical situations is planned.

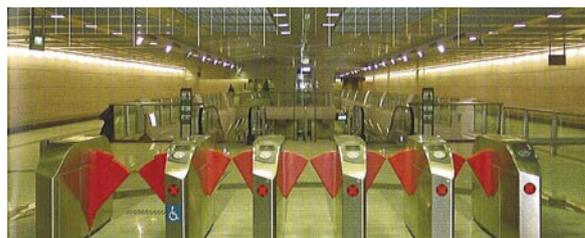
### Integration and quality improvements of sustainable modes in ODENSE

A programme for data conversion from GPS system to passenger information system in busses has been bought.

## 3. INTEGRATED PRICING STRATEGIES

### TOULOUSE will renew the ticketing system

In relation to the construction of the second line of the metro (scheduled for 2007), important work is currently being carried out to renew the ticketing system. The aim is to implement an interoperable multimodal public transport ticket. This new ticketing system will come into service at the end of 2006. An interoperability chart has been made at the regional level and work is currently being carried out to renew the tariff system. This new ticketing system will entitle the users to get a wider range of services and tariff products.



## 5. NEW FORMS OF VEHICLE USE AND OWNERSHIP

### Expansion and diversification of car sharing scheme in VENICE

A report on the needs and preferences of car sharing system customers in relation to types of vehicles offered has been concluded and a comparative analysis of alternative fuel vehicles, both electric and natural gas have been carried out. 8 new CNG vehicles have been ordered.

### Assessment of previous carpooling initiatives in TOULOUSE

A thorough assessment of previous carpooling initiatives has been carried out in order to understand the limits and opportunities for future activities in this field. It has become clear that carpooling in Toulouse cannot be a stand alone product. A study is being prepared that should determine a potential transport

offer that integrates several mobility options, i.e. carpooling, car sharing, bike rental and demand responsive public transport.

## 6. NEW CONCEPTS FOR THE DISTRIBUTION OF GOODS

### New freight delivering regulation in the TOULOUSE city centre

A new regulation for goods delivery in the city centre of Toulouse has been developed and a working group has been established with the different logistic service providers.



Recently, in collaboration with the City of Toulouse a new platform using clean vehicles (electrical and CNG vehicles) was inaugurated by the logistic services provider Chronopost.

### VENICE intends to set up clean urban logistics

The city logistics project aimed at setting up clean goods delivery system on the mainland has not got off the ground yet. The project is currently being discussed with a view to its improvement.

The second project aims to improve the management of the permanent and temporary boat parking spaces along the inner canals in Venice. To date the final detailed work plan for the temporary and permanent parking system has been drawn up.

## 7. INNOVATIVE SOFT MEASURES

### VENICE promotes safe and increased bicycle use

Sites for the location of new bicycle racks and public bicycle sharing points, part of the forthcoming bicycle-sharing scheme, are being defined.

### Preparation of sustainable city transport development plan for DEBRECEN started

An expert workgroup on sustainable urban mobility with the task of preparing the Sustainable City-Transport Development Plan for Debrecen has been set up. The participants and the meeting schedule were defined. Representatives of Debrecen Municipality, HBM ÁKK and local stakeholders started consultation on the future Transport Development Plan. In addition to that a consultation on integrated and extended cycling network in Debrecen was held.

### Interactive traffic training for children has been created in ODENSE

There is a need for new innovative tools to support and improve behaviour-based training programmes and to bring the value of traffic training for children to the attention of politicians and the public, if we want to reduce the traffic accidents and improve mobility choice for children. The Odense MOBILIS partners have started the production of an internet



based behavioural training programme for children. A tender amongst three competitive consultants has been held. The filming will start in September or October 2005.

The analysis phase has begun. At the moment project partners are working on the themes and how to build up the programme. For inspiration and good ideas they have consulted different partners such as The Danish Road Safety Council.

and real-time passenger information system started in Debrecen, involving the DKV and the HBM ÁKK. Brainstorming was held with the experts of international partners; R&G (PL) and Mikroelektronika (CZ) prepared a presentation on the issue.

## 8. TELEMATICS

### **Satellite control (GPS-GPRS) for water public transport services in VENICE**

This measure focuses on integrating the municipal police control centre with the ACTV public transport operations centre in order to optimise traffic in the lagoon. The monitoring of the ACTV fleet is underway and the old antennae are currently being substituted with quadrivalent antennae. The feasibility study for the connection of the Municipal police control centre with that of ACTV and other public traffic is being carried out.

### **Management decision support system for waterborne traffic in VENICE**

This measure focuses on producing a dynamic waterborne traffic management decision support system for the management and control of boat traffic circulation in the Venice lagoon in both ordinary and extraordinary situations. The mathematical model, which will be used as the basis for the simulations, has almost been finalised and has undergone successful tests in simulating the effects of the recent lagoon restricted access zone ordinance. Forma Urbis has drawn up the detailed work plan for the standardisation of typologies and methodologies.

### **Tramway priority scheme and real-time passenger information system in DEBRECEN**

Initial activities related to the tramway priority scheme



## MOBILIS within the family of CIVITAS - Initiative projects

**CIVITAS** - cleaner and better transport in cities - stands for **CI**ty-**VITA**lity-**S**ustainability. With the CIVITAS Initiative, the EC aims to generate a decisive breakthrough by supporting and evaluating the implementation of ambitious integrated sustainable urban transport strategies that should make a real difference for the welfare of the European citizen.

The Initiative supports 8 projects involving 36 cities. In addition, more than 80 other cities are members of the CIVITAS Forum that provides a platform for the exchange of best practice, ideas and experiences. Find more information on the CIVITAS Initiative and on all projects <http://www.civitas-initiative.org/>

The CIVITAS objectives are:

- to promote and implement sustainable, clean and (energy) efficient urban transport measures
- to implement integrated packages of technology and policy measures in the field of energy and transport in 8 categories of measures
- to build up critical mass and markets for innovation





## Upcoming events

### Household CNG launch in TOULOUSE (September 30)

On the 30<sup>th</sup> of September 2005, Toulouse will host a special event related to the official launch of the CNG offer in the households. The concept of CNG in the home is entirely new in Europe. It is based on the use of a small compressor unit installed in houses (garages) that are connected to the natural gas network. Developed in relation with the national gas provider Gaz de France, this new product will permit increasing considerably the number of private clean vehicles in the coming years.

### LJUBLJANA, Round table on bio-diesel in Slovenia (September 16-21 - Ljubljana)

In the framework of Ljubljana's activities for European Mobility Week, a public round-table on bio-diesel will be held involving decision-makers, companies and experts. The round-table will try to identify opportunities and threats for bio-diesel use in Ljubljana.

More information on <http://www.ljubljana.si/>

### 20th Meeting of Public Transport (October 12-14 - TOULOUSE)

On the 12-14<sup>th</sup> of October, Toulouse will host the 20<sup>th</sup> Meeting of Public Transport, which represents one of the biggest events related to the Public Transport in France.

This meeting will associate for the first time the GART Congress (Group of the Responsible Authorities of Transport), the UTP Forum (Transport Public Union) and the Transport-Expo Show that will gather more than 3000 visitors. More information can be found on <http://www.gart.org/CongresToulouse2005/index.htm>

## Questions and answers

Invitation: To contact the CIVITAS MOBILIS Dissemination Team for comments, suggestions or questions please write to Project Dissemination Manager [Milena.Marega@guest.arnes.si](mailto:Milena.Marega@guest.arnes.si)

For more details about the CIVITAS MOBILIS please visit our website at <http://www.civitas-mobilis.org> which is under preparation and will be ready in September 2005.

## Subscription

If you want to register for a free subscription, please send an e-mail to [Milena.Marega@guest.arnes.si](mailto:Milena.Marega@guest.arnes.si)  
The CIVITAS MOBILIS E-Newsletter is available at [www.civitas-mobilis.org](http://www.civitas-mobilis.org)



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