



UNIVERSITÉ DE TECHNOLOGIE DE BELFORT-MONTBÉLIARD

Toward a post carbon city

Approaching, in terms of energy, urban planning issues,
both for improving the existing one and for innovation

SYMPOSIUM

CALL FOR PAPER

Organised by the French Academy of Technologies and
the University of Technology of Belfort-Montbéliard

**Thursday, the 29th of April 2010
in Belfort**



**ACADÉMIE
DES TECHNOLOGIES**

UN PROGRES RAISONNÉ, CHOISI ET PARTAGÉ



The French Academy of Technologies and the University of Technology of Belfort-Montbéliard with the support of local authorities (Belfort Municipality and Territory Councils) organise a one-day symposium and panel discussions concerning energy strategy applied to urban planning in its various dimensions:

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This day aims at comparing the views of the French with those of our neighbours, particularly the Swiss and Germans, through the results of recent achievements, and drawing conclusions for the future of urban planning, housing and transportation.

The threat posed by global warming to environment and societies is an undeniable reality. By ratifying the Kyoto Protocol, France has committed itself to stabilizing its greenhouse gas emissions to the 1990 levels over the period 2008-2012. In 2004, the French government launched its “2004-2012 Climate Plan”, the first full plan to define national climate change prevention efforts. This plan consists of a set of national actions to reduce by a factor of 4 the emissions by 2050, to encourage local authorities, especially municipalities, to achieve, at their level, a Territorial Climate Plan (TCP).

In this context, the biggest French cities have adopted Territorial Climate Plans with some concrete actions for reducing greenhouse gas emissions, controlling their energy consumption, and achieving a greater use of renewable energies.





On November 27, 2009, the 270 European regions met in Belfort to prepare the United Nations Climate Change Conference Copenhagen 2009. As a result of the meeting, they launched a "call" with nine points, where the following issues are listed:

- ▶ *the role of cities and local and regional authorities in reducing greenhouse gas emissions (pt.3)*
- ▶ *the need of investing in renewable energy and environment-friendly infrastructures(pt.8)*
- ▶ *the implementation of a responsible policy on energy and climate change (pt.9)*

Symposium and panel discussions

In this symposium we will be focussing on cities, which are still consuming and sometimes producing energy. We will be looking for planned developments to minimize CO₂ emissions.

What can we do to maintain our good standard of living, our growth by somehow changing our habits?

Since energy is a major cause for this new problem, it is in terms of energy that we want to address planning issues to improve both the existing and the innovation.

5 topics seem to be the key issues; each relies on innovative technologies, societal approaches and policies finding several constraints:

- 1** ▶ The energy consumption across a city, management and strategy
- 2** ▶ The energy savings to be made in existing devices
- 3** ▶ The development of local renewable energy sources
- 4** ▶ The mobility in the city and in its suburbs
- 5** ▶ The changing patterns of urban development to deal with energy issues

On this occasion people who wish to present an oral communication in french -if possible- or in english (duration about 30 minutes for presentation plus 10 minutes answering questions) or a written contribution on the topic of the "post carbon city" are kindly invited to contact one of the following persons before February 25, 2010:

► **Agnès Grandmougin**

+33 3 84 58 33 08 - agnes.grandmougin@utbm.fr
Université de Technologie de Belfort-Montbéliard
13 rue Thierry Mieg - 90010 BELFORT - FRANCE

► **Nadia Pipunic**

+33 1 53 59 53 40 - mail@euro-case.org
Grand Palais des Champs Elysées Porte C
Avenue Franklin Roosevelt - 75 008 PARIS - FRANCE

► **Organisers**



This symposium is organised by the Electrical and System Control Engineering Department, the Systems and Transports Laboratory (SeT) from the UTBM, together with the European Council of Applied Sciences and Engineering Euro-CASE and more particularly with the German (Acatech) and Swiss Academies of Technologies (SATW).

► **Partners**



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