



Institut du développement durable et des relations internationales



**Chaire Développement durable
Ecole polytechnique - EDF**

Séminaire Développement durable et économie de l'environnement

Les transports tels qu'ils fonctionnent aujourd'hui - à quelques exceptions ferroviaires près - ne contribuent pas à nous mettre sur une trajectoire de développement durable, qu'on considère leur bilan carbone ou leurs contributions aux formes dominantes d'urbanisme. Quelles perspectives réalistes avons-nous de corriger cet état des faits ? Peu de personnes ont autant de propositions constructives à faire à cet égard que David Banister, Professeur à l'Université d'Oxford.

David Banister (Oxford University)*

Sustainable Transport and Energy Reduction: Can the Challenge be met?

Mardi 22 septembre 2009, de 17h00 à 19h00

**à Sciences Po – salle Goguel – 56, rue des Saints-Pères - 75007 Paris
(M° Saint-Germain-des-Prés)**

Abstract

Transport is in a very vulnerable position, as it is almost totally dependent on oil for its energy, and that oil is becoming increasingly scarce and expensive. In addition, transport now produces over 25% of all CO₂ emissions, and it is making no contribution to global reduction targets. This presentation will examine the recent actions taken to address these problems at the EU and national levels, and places them in the context of the continuing growth in the demand for travel.

Technology can help through the development of more efficient engines and the use of alternative fuels, but even the most optimistic assumptions mean that the role of technology might be to keep levels of energy use and CO₂ emissions in transport at the same levels as now (2009). Alternative strategies will be presented that build on the new sustainable mobility paradigm, and examine the roles that technology and behavioural change both need to play if challenging energy and emissions reduction targets are to be met.

A range of energy reduction options are presented that will affect the forms of transport used, the speed of travel, pricing and taxation of transport, as well as trading schemes, and the positive role that urban planning can play. Underlying these measures are the need for leadership and clear visions about sustainable transport in the city (and elsewhere), and the need to involve the people in a real consultative process, so that acceptability can be increased and behavioural change can follow. At present, the options available, their acceptability, and the scale of change needed in the transport sector have been totally underestimated.

* **David Banister** is Professor of Transport Studies at Oxford University and Director of the Transport Studies Unit. Until 2006, he was Professor of Transport Planning at University College London. He has also been Research Fellow at the Warren Centre in the University of Sydney (2001-2002) on the Sustainable Transport for a Sustainable City project, was Visiting VSB Professor at the Tinbergen Institute in Amsterdam (1994-1997), and Visiting Professor at the University of Bodenkultur in Vienna in 2007. He is currently Acting Director of the Environmental Change Institute at Oxford University. His research interests are in sustainable mobility and cities, in creating visions for the futures of cities, and in the means by which we can move from a high carbon transport system to a low one. He has also worked on many international projects in the EU and globally, exploring the links between transport investment and economic development, new evaluation methods, and the links between urban form and transport. He has published widely on cities and sustainable transport, including 18 books and over 200 papers in refereed journals or as contributions to books.

Merci de confirmer votre présence dès que possible et, **au plus tard le 18 septembre 2009**, à **Julie Cohen** julie.cohen@iddri.org ou par télécopie : 01 45 49 76 85 avec le bulletin ci-joint.

Séminaire Développement durable et économie de l'environnement

BULLETIN D'INSCRIPTION

Merci de bien vouloir confirmer votre participation en vous inscrivant grâce au lien ci-après, dès que possible et **au plus tard le 18 septembre 2009** :

<http://www.iddri.org/Activites/Seminaires-reguliers/Seminaire-Developpement-durable-et-economie-de-l'environnement/Sustainable-Transport-and-Energy-Reduction-Can-the-Challenge-be-met>

Ou en complétant le formulaire ci-dessous

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à la conférence de David Banister, le mardi 22 septembre 2009.

Merci de renvoyer ce bulletin réponse à **Julie Cohen**
par télécopie au 01 45 49 76 85 ou par courriel à julie.cohen@iddri.org
dès que possible et au plus tard **le 18 septembre 2009**.