



**Sustainable Transport & Mobility Research
and Climate Change Challenge**
8-12 December 2008, Bron, France

ECTRI Thematic Working Groups

Thursday 11 Dec-08 PLENARY SESSION 2

Niels Buus Kristensen, ECTRI Board member





MINISTÈRE
DE L'ENSEIGNEMENT SUPÉRIEUR
ET DE LA RECHERCHE

MINISTÈRE DE L'ÉCOLOGIE, DE L'ÉNERGIE
DU DÉVELOPPEMENT DURABLE
ET DE L'AMÉNAGEMENT DU TERRITOIRE





Two immense challenges for for transport research

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The global ...




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The local ...





Foto: Yann Arthus-Bertrand

5°42' N 13

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How can we at the same time release transportation from congestion and dependence on fossil fuels?

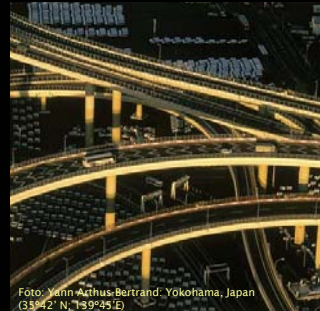



Foto: Yann Artus-Bertrand, Yokohama, Japan (35°42' N, 139°45' E)

... facing the megatrends of globalisation and an ageing population?



= Lyon Declaration



7 FRDP PRI

ECTRIs themati

- A sustainable
- Intelligent Tra
- Safety and Se
- Behaviour and knowledge
- Transport economics

ECTRIs TWGs:

- A. Urban Mobility**
- B. Traffic Safety and Security**
- C. Energy and Climate change**
- D. Freight transport**
(including logistics, technology)
- E. Intelligent Transport Systems and Intelligent Infrastructures**
- F. Mobility**
(socio-economic, demographic i.e. elderly and disabled people, policy aspects)
- G. Transport Economics and Policy**
- H. Transport, Urban Environment, and Health**

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TWG A Urban Mobility



- Improve urban mobility by understanding behaviour and needs of residential and non-residential transport users with new approaches of land use
 - and moving from research results to implementation, experimentation and real policy making.

(Activities 7.2.3.1 / 7.2.3.2 / 7.2.3.3)



TWG B Safety and Security



- Development of Safety and Security management tools to control the risk in transport systems embedding safety and security in the primary processes of road authorities to realise continuous process of making systems safer and secure

(Activity 7.2.4.1 Integrated safety and security for surface transport systems)



TWG C Energy and Climate Change



Develop best practices and methodologies for assessment of mitigation measures

(Activity 7.2.1 and Env. Activity 6.4.2)

- Technologies, Energy, Behavioural, traffic & logistic organisational measures, Intermodality, ICT
- integrated assessment methodologies (accurate emissions & models, Life cycle analysis, social issues, acceptability), through extended monitoring, driver behaviours, field operational tests



TWG D Freight



Development of a common methodology to calculate CO₂- footprint for shipments in the transport process

(Activity 7.2.1.1 or 7.2.1.3)



TWG E ITS



- Assessment of a 20 billion € European ITS investment to support economic growth and competitiveness beyond the Kyoto protocol
(Activity 6.1 ICT for sustainable economic growth)



TWG F Mobility



Behavioural adaptations towards sustainable mobility

*(Activity 7.2.3. Ensuring sustainable urban mobility;
AREA 7.2.3.1. new transport and mobility concepts)*

- Sub themes:
 - Decrease in energy resources and behavioural change;
 - Policy measures and assessment of these measures;
 - Behavioural and cultural norms in behavioural change;
 - Equity aspects: who can afford to modify mobility patterns?;
 - The role of information for facilitating change in mobility and transport consumption



TWG G

Transport Economics and policy



- Best Practices and Impact Assessment to enhance performances and to ensure sustainable transports (*AREA 2.7.1 Policy packages and best practices for transport*)
 - Focus on transport strategies and policies related to climate change and energy conservation with criteria as economic efficiency, fairness, equity and acceptability

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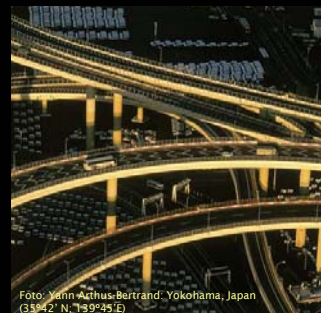


Foto: Yann Arthus-Bertrand, Yokohama, Japan
(35°42' N, 139°45' E)

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Thank you for your attention