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**ECONOMIC COMMISSION FOR EUROPE**

**INLAND TRANSPORT COMMITTEE**

(Sixty-fifth session, 18 – 20 February 2003  
agenda item 11(f))

**TRANSPORT TRENDS AND ECONOMICS**

**Studies on transport economics and track costs undertaken by other organizations**

**Transmitted by the European Commission (EC)**

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**RESEARCH ON TRANSPORT ECONOMICS  
SUMMARY DETAILS OF PROJECTS  
5TH FRAMEWORK PROGRAMME <sup>1/</sup>**

**FORECASTING DEMAND**

**EXPEDITE: Expert-system based Predictions of Demand for Internal Transport in Europe**

Description: The aim is to utilise and extend existing expert-system based models to provide comprehensive travel demand forecasts for all distance bands, and to provide four future year forecasts and a statement on core and competitive demand submarkets. EXPEDITE will operate interactively with the THINK-UP Thematic Network.

Related transport policy: Community (common) transport policy. Policy for Trans-European Networks. Input to continued research & as background to back up transport and related policy decisions.

Expected Output: Demand forecasts for years 2005, 2010, 2015 & 2020. Core and competitive components of modal forecasts.

Final report for publication: project still active

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<sup>1/</sup> Reproduced résumé of studies on transport economy and cost of infrastructures.

Web Site: <http://www.hcg.nl/index.htm>

Call: 1<sup>st</sup> Project end date: October 2002

Contact in DGTREN: Keith Keen +322 296 3469

**THINK-UP - Thematic Network: Thematic Network for Understanding Mobility Patterns**

Description: The basic aim is to establish a common platform of understanding for mobility predictions in Europe. Results & methodologies on transport prediction will be drawn together, and a continuing dialogue between all interested actors is expected to be achieved. THINK-UP will operate interactively with EXPEDITE.

Related transport policy: Community (common) transport policy. Input to continued research & as background to back up transport and related policy decisions.

Expected Output: Review of European modelling results as regards model specification (D11). Seminar and workshop conclusions. A productive network of European experts.

Final report for publication: project still active

Web Site: [www.netr.fr/think-up](http://www.netr.fr/think-up)

Call: 1<sup>st</sup> Project end date: October 2002

Contact in DGTREN: Keith Keen +322 296 3469

**SPRITE: Separating the Intensity of Transport from Economic Growth**

Description: The project will take an approach looking beyond the transport sector to identify innovative means of decoupling transport growth and economic development

Related transport policy: Development of transport policy and implications for policies that have a bearing on transport and transport policy. Input to continuing research can be expected.

Expected Output: Output will be an assessment of, and recommendations for, the most promising innovative means of decoupling.

Final report for publication: in preparation (web site location/printed report to be added)

Web Site: <http://www.its.leeds.ac.uk/projects/sprite>

Call: 1<sup>st</sup> Project end date: July 2001

Contact in DGTREN: Keith Keen +322 296 3469

**INTERNAL AND EXTERNAL INFRASTRUCTURE COSTS AND PRICING**

**UNITE: Unification of accounts and marginal costs for transport efficiency**

Description: The objectives of the research are: (i) To build transport accounts that give a clear and transparent overview of the economic and financial flows of the transport system and of the individual modes. (ii) To define efficient prices to be charged from the users in different local and traffic contexts (30 case studies) and (iii) to develop a methodology to integrate the information from the accounts and marginal cost case studies.

Related transport policy: Pricing

Expected Output: Pilot transport accounts for EU15 and CH, HU and Es covering all modes. More than 30 case studies to estimate marginal costs for a range of traffic situations and geographical areas.

Final report for publication project still active

Web Site: [www.its.leeds.ac.uk/unite](http://www.its.leeds.ac.uk/unite)

Call: 1<sup>st</sup> Project end date: September 2002

Contact in DGTREN: Catharina Sikow +322 296 2125

### **IMPRINT-Europe - Implementing Pricing Reform in Transport - Effective Use of Research on Pricing in Europe**

Task Description: IMPRINT-Europe will (i) bring together policy-makers, operators, researchers and other stakeholders in order to promote the implementation of fair and efficient transport prices; (ii) organise high profile, international seminars where the needs of policy-makers and the findings of research will be synthesised and debated; (iii) produce high quality reports summarising research and putting forward recommendations on how to implement the required pricing reforms.

Related transport policy: Pricing, Common transport policy

Expected Output: Five seminars with corresponding documentation and consensus seeking on:

(i) acceptability of pricing reform in transport; (ii) best practice; (iii) constraints and solutions; and (iv) phasing and packaging.

Final report for publication: project still active

Web Site: <http://www.imprint-eu.org/>

Call: 2<sup>nd</sup> Project end date: June 2004

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### **MC-ICAM – Marginal cost implementation**

Task description: MC-ICAM aims at (i) defining optimal (full, first-best) end states in the short, medium and long term compared to the current situations – for all important passenger and freight modes, covering both urban and interurban issues, and taking account of relevant technological, institutional and national contexts. (ii) Determining the conceptual level the necessary or optimal (second-best) implementation steps – in terms of recommendations for actual pricing measures (policy packages) and for modal and geographical priorities. (iii) Carrying out in-depth modal level (urban, interurban road, rail, air, water) analyses of the current pricing and other regulatory issues, and of the barriers to the marginal cost pricing in different modes.

Related transport policy: Pricing, Common transport policy

Expected output: Implementation path covering all modes.

Final report for publication: project still active

Web Site:

Call: 2<sup>nd</sup> Project end date: January 2004

Contact in DGTREN: Catharina Sikow +322 296 2125

### **SPECTRUM – Study of Policies regarding Economic instruments Complementing Transport Regulation and the Undertaking of Physical Measures**

Description: The project will look at (i) Provision of a theoretically sound framework for analysing the trade-off between objectives and identifying optimal combinations of instruments to achieve them. (ii) Analysis and assessment of transport packages - providing quantified evidence on the use of alternative instruments in managing urban or inter-urban capacity and the likely practical impacts of different approaches. Evidence on how individual instruments fit in a policy and how their degree of intensity can be defined under various constraints. (iii) Generalisation - informing target users of the synthesised evidence and transferability of alternative transport management packages across the broader urban/inter-urban spectrum and their wider social impact. (iv) Guidance and recommendations - enabling policy makers to achieve a better balance between different, often conflicting objectives

Related transport policy: Pricing, Common transport policy, TENs

Expected Output: Assessment of and guidance on transport policy packages providing quantified evidence of using alternative instruments in managing urban or inter-urban capacity. Methodology for generalisation of lessons learnt from one context to another.

Final report for publication: project about to start

Web Site: n.a.

Call: 3<sup>rd</sup> Project end date: January 2005

Contact in DGTREN: Catharina Sikow +322 296 2125

### **Task 2.1.3/10. Use of revenues from transport pricing**

Task Description: The aim of the task is to examine options for the use of surplus revenues from the application of marginal cost based pricing in one mode or region for covering deficits arising in other modes or regions. The trade-offs between economic efficiency, public acceptability and equity as well as legal/institutional constraints will be looked at.

Related transport policy: Pricing and financing, TENs, Public-private partnerships, Common transport policy

Expected Output: Solutions to combine pricing of the existing transport system and investments in transport infrastructure (financing). Concrete suggestions of how to finance the fixed cost of a certain transport project in different modes with least distortions and adverse distributional effects, these could include e.g. access charges in the form of two-part tariffs, regional cross-subsidies, inter-modal cross-subsidies, etc.

Final report for publication: n.a.

Web Site: www.

Call: 5<sup>th</sup> Project end date: project to start Jan. 2003

Contact in DGTREN: Catharina Sikow +322 296 2125

## **POLICY AND PROJECT ASSESSMENT**

### **TRANSTALK - Thematic Network on project and policy assessment methodologies**

Description: The thematic network brings researchers and policy-makers together in a series of meetings to (i) look at the strengths and weaknesses of existing methodologies, (ii) assess the requirements that different transport policy questions and projects set for assessment methodologies, (iii) identify user needs for different decision-making contexts and hierarchies. Recommendations for further research will be made.

Related transport policy: Common transport policy, TENs, pricing, etc.

Expected Output: Best practice guidelines for evaluation. Identification of user needs and comparison with existing methods, identification of gaps and further research needs.

Final report for publication: project still active

Web Site: <http://www.iccr-international.org/trans-talk/>

Call: 1<sup>st</sup> Project end date: September 2001

Contact in DGTREN: Catharina Sikow +322 296 2125

### **IASON- Integrated Appraisal of Spatial economic and Network effects of transport investments and policies**

Description: IASON is part of part of the Cluster on socio-economic Impacts of transport investments and policies and network effects. Its goal is to improve the understanding of the impact of transportation policies on short- and long-term spatial development in the EU, such as regional economic development, accessibility, network effects, land use impacts. It will also develop a unified assessment framework for the European level, integrating the network, the regional economic and macro-economic impacts studied in IASON, TIPMAC and TransEcon projects.

Related transport policy: Trans-European Networks policy and projects, pricing, common transport policy

Expected Output: Assessment of the direct and indirect impacts, including network effects and Community added value, of TENs and pricing policy at regional level. Rules for inclusion of indirect impacts in cost-benefit analysis.

Final report for publication project still active

Web Site: [www.inro.tno.nl/iason](http://www.inro.tno.nl/iason)

Call: 2<sup>nd</sup> Project end date: September 2003

Contact in DGTREN: Catharina Sikow +322 296 2125

**TIPMAC- Transport Infrastructure and Policy – MACroeconomic analysis for the EU**

Description: TIPMAC is part of part of the Cluster on socio-economic Impacts of transport investments and policies and network effects. Its aim is to study the interaction between transportation policies, in particular the TEN and pricing policies, and macro-economic impacts, such as GDP, employment, inflation, etc. using two parallel approaches.

Related transport policy: Trans-European Networks policy and projects, pricing, common transport policy

Expected Output: Assessment of macro-economic impacts of TENs and pricing policy at EU and national levels. Enhanced modelling and forecasting tools.

Final report for publication: project still active

Web Site: [http://www.camecon.com/services/projects/Tipmac/Tipmac\\_project.htm](http://www.camecon.com/services/projects/Tipmac/Tipmac_project.htm)

Call: 2<sup>nd</sup> Project end date: September 2003

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**SUMMA – Economic, environmental and social conditions for sustainable development of transport**

Task Description: The task aims at operationalising the concepts of sustainable development and sustainable mobility in the transport sector and to define policy measures to improve its sustainability. The project will do this by defining and determining indicators and threshold values for economic, environmental and social impacts of transport.

Related transport policy: Common transport policy, environmental policy, TENs.

Expected Output: Operational working concepts of sustainable mobility that can be used for transport policy and modal policy planning and definition.

Final report for publication: Project still active

Web Site: n.a.

Call: 3<sup>rd</sup> Project end date: project to start Nov. 2002

Contact in DGTREN: Catharina Sikow +322 296 2125

**TIPP - Institutional issues in transport policy implementation**

Task Description: The objective of the task is to develop a framework for the analysis of the decision making processes and the different roles of decision making governing bodies, cities and regions and other relevant organisations have in implementing transport policies and consequently in achieving a well functioning and efficient transport system.

Related transport policy: Common transport policy

Expected Output: Better understanding of the implications and constraints of different organisational and regulatory settings and of the subsidiarity principle in reaching the objectives of transport policy.

Final report for publication: when negotiated enter either 'project still active' or 'add web site location/printed report' reference

Web Site: n.a..

Call: 5<sup>th</sup> Project end date: project to start Jan. 2003

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