

Name	Silvia MAFFII
Position	Senior expert in applied economics and transport modelling and planning
Date of birth	23.07.1954
Nationality	Italian
Languages	Italian, English, some German, French and Spanish
Experience	Expert in transport economics and transport planning she participated to a wide number of feasibility studies, cost-benefit analysis of transport projects and urban transport planning, as well as development and application of transport models and models for cost benefit analysis of transport projects She has a wide professional and research experience in modelling at urban and regional scale and in the assessment of land-use, socio-economic and environmental impacts of transport investment and policies. Managing Director of TRT Trasporti e Territorio, she is in charge of the supervision of model applications as well as for transport policies assessment.
Education/ Qualifications	
1979	Graduated in Architecture (100/100) at the Polytechnic in Milan.
1984-1987	Doctorate Thesis in Urban and Regional Planning at Venice University (PhD).
Academic Activity	
1987-1999	Lectures on Transport Economics and Project Evaluation at the Post-graduate Course in Urban Planning and Land Use in LDV at the University of Venice. Lectures on cost-benefit analysis at the post-graduate course in transport economics at the University of Castellanza.
1999 to date	Professor of transport planning at the Department of Urban, Environmental and regional Planning, Politecnico di Milano.
2003 to date	Professor of transport planning at the Piacenza Department of Transport Engineering, Politecnico di Milano
Employment Record	
1992 to date	<i>TRT Trasporti e Territorio Srl, Milan.</i> Managing Director. Senior expert in economic analysis and transport modelling and planning.
1989-to date	<i>Associazione Professionale CBA, Milan.</i> Founding Partner and Senior expert in economic analysis and planning.
1983-1989	Free lance Consultant in economic analysis and transport planning for: <i>TRANSYSTEM SpA, Milan</i> <i>S.U.R., Milan</i> <i>Polytechnic of Milan and CNR.</i>

Consultancy

- 2006 EVA TREN, Improved Decision-Aid Methods And Tools To Support EVALuation Of Investment For TRansport And ENergy Networks In Europe. TRT for DGTREN
- Study on the impact of Trans-European Networks on cohesion and employment of EU regions. EU DG INTERNAL POLICIES
- 2005 ASSESS project. Assessment of the contribution of the TEN and other transport policy measures to the mid-term implementation of the White Paper on the European Transport Policy for 2010. Macroeconomic impact assessment. EU DG TREN
- 2005 Policy guidelines for regions falling under the new regional competitiveness and employment objective for the 2007 - 2013 period in the fields of the knowledge economy and the environment, in line with the Lisbon and Gothenburg objectives- EC DGREGIO
- 2005 Study about the energy use and cost in freight transport chains – *IPTS-JRC*
- New sample survey on international transport: research about trends in transport costs
UIC - Ufficio Italiano dei Cambi
- 2004 STEPS project. Scenarios for the transport systems and energy supply and their potential effects. EC DG TREN
- 2004 Ex-post evaluation of specific interventions funded under the Transport Safety Policy, - The Evaluation Partnership for DG TREN
- 2004 Design of a sustainable transport strategy for the accessibility to the San Siro football stadium, Agenzia Asansiro
- 2003 Report on the transport sector annex to the proposal of tripartite agreement among Regione Lombardia, Ministry of Foreign Affair and European Commission - ISPI - Istituto per gli Studi di Politica Internazionale
- 2003 Feasibility study for an extra-urban public transport system in the corridor north of Udine. Provincia di Udine.
- 2002-2003 Updating of sample survey on international transport: research about trends in transport costs. UIC - Ufficio Italiano dei Cambi
- SCATTER. Analysis of the urban sprawl in the European cities. Case study of Milan metropolitan area. CEC DG RTD.
- 2002 Study for the estimate of cost and benefits of rehabilitating road tunnels in Europe in view to enhance safety. Estimate of refurbishment costs and indirect costs. ICF for EU DGTREN
- 2001 -2003 TIPMAC. Analysis and assessment of the macroeconomic impact of transport policies and investments by means of two different modelling approaches. EEC DG TREN
- Strategic transport models. Design of the ASTRA-Italia strategic transport model to

	<p>assess the impact of different toll and tax schemes in the transport sector. Fedetrasporto</p> <p>Definition of analysis tools for a sample survey aiming at appraising the Origin/Destination matrix in Lombardy (Italy). AC Nielsen for Regione Lombardia.</p> <p>Preparation of the Guide to cost-benefit analysis of investment projects, responsible for the transport projects. EEC DG REGIO</p>
2000-2001	<p>Alto Adige Transport Master Plan, updating of the existing land use and transport model, design and assessment of different scenarios. Assessorato ai Trasporti Provincia Autonoma Alto Adige.</p> <p>Advise on tasks, mission, methodology, staffing of the assessment unit to be set up at the future Ministry of Transport and Infrastructure. Formez - Ministry of Treasury</p> <p>Implementation of the strategic transport model ASTRA to assess the impact of different toll and tax schemes in the transport sector in Italy. Project Director. Fedetrasporto.</p>
2000 to date	<p>PROPOLIS. Enhancement of a comprehensive analytical framework for evaluating long term strategies for sustainable urban development. - Design of the economic impact assessment framework. EEC DG Research.</p>
2000	<p>Financial feasibility of an innovative automated system for loading/unloading containers in intermodal terminal of northern Italy. Costamasnaga SpA.</p> <p>Economic and financial feasibility of a new motorway link Pedemontana Veneta. Project Director Bonifica spa.</p>
1999	<p>Antitrust VS Italian Railways. A case for infringement of competition rules in the market for rail based transport of container - Trenitalia Divisione Cargo</p> <p>Trieste Port Master Plan: demand forecast and economic assessment. Project Director. Marconsult - Technital for the Trieste Port Authority</p> <p>Thematic evaluation of Structural Funds impact on transport infrastructures- Italian case study and analysis of best practice. Project Director. Oscar Faber for EC DGXVI</p> <p>Medium terms investments programme for the strategic road network - national and European .Supervisor . Ministry of Public Works</p>
1998 to date	<p>Survey on the international transport. Estimate of cost components for the import and export of transport services in order to calculate the Balance of Payments of the sector. Project Director. Ufficio Italiano dei Cambi.</p>
1998	<p>Strategic assessment of corridor developments, TEN improvements and extensions to CEEC-CIS. Impact analysis of corridor V (Trieste-Budapest-Kiev) and definition of comprehensive methodology to be used for the assessment of transport policies and projects. EEC-DGVII.</p> <p>Analysis of the accessibility of the metropolitan area of Rome in the Jubilee year 2000. Supervisor. Agenzia Romana per il Giubileo</p>

	Assessment of transport strategies. ASTRA Project. Design of a system dynamic model for long term strategic assessment at European scale of transport policies and investments. Project Director. EEC DGVII.
	Development of strategies to avoid the need for travel. START Project. Analysis of strategies to avoid the need for travel and assessment of short and long term impacts. Project Director. EEC DGVII.
	Policy test for the reduction of transport CO ₂ emissions. ME&P for EEC - DGVII, EUNET Project
1997	Analysis of the project financed through the structural funds in transport sector in Italy. Coopers & Lybrand.
1996-1997	STREAMS project for the analysis of the impact of different demand scenarios - Design and calibration of a multimodal freight transport model. EEC DG VII
	Spartacus project for urban sustainability: readjustment of the Naples model to test different policies. EEC DG XII
1996	Project director for the application of the MEPLAN model for the revision of the Naples Urban Transport Plan.
	Analysis of the transport and land-use impacts of a light rail transit linking Rimini and Riccione. Senior expert for model application.
1995-1996	Study on external and social costs of transports in Italy, responsible for the design of a simplified model for estimating volumes of traffic and emissions. ISFORT
	Study on the assessment of transit earnings in the republic of Belarus. Responsible for the model design for the assessment of transit tariffs for road, rail, pipelines and air. TACIS project No.1995/4/4
	Project director for the "Study on Impact of inadequate transport infrastructures on the functioning of the internal market". EEC, DGXV
1994-1995	Haina (Dominican Republic) Responsible for the financial and economic evaluation of the alternative port rehabilitation projects (project financed by IDB).
	Financial Evaluation of an innovative automated intermodal terminal (TRAI2000), Project Director. Costamasnaga.
	Study on Methodologies for impact assessment, EEC, DGVII-A4.
1994	Valencia (Venezuela) Urban Transport Plan, project director (project financed by IDB)
	Valle d'Aosta Public Transport Plan forecasting and economic evaluation of alternative scenarios for the public transport (bus and railways).
1993	Study on road transport of goods in Italy, analysis of the structural changes in the demand and supply (Agens). Study on the efficiency of the Italian Railways: analysis of recent trends (Fondazione Rosselli)

- 1992-1993 Project manager of the Transport Plan of the Province Autonomous of Bolzano: Also in charge for the development and application of the integrated land use/transport model used to forecast transport demand for freight and passengers and for the economic evaluation of six alternative strategies.
- Vicenza Urban Transport Plan, responsible for the socio-economic evaluation and supervisor for the development of the integrated land-use transport model
- 1992 Cost-Benefit Analysis of the "Insulae" project for water control in Venice: estimate of the benefits of the protection from tides (University of Venice, DAEST)
- 1991-1992 Study on bus regulation and public transport in Lombardia. In charge for demand analysis at regional level and design of the household survey (Regional Research Institute, IReR).
- 1990-1991 Financial feasibility of the Torino-Milano high-speed railway project, and development of an ad hoc model for the estimation of the average fare that maximised the return (Società Autostrada Torino-Milano).
- Study on "Basic data and perspectives of road transport in Italy": analysis of recent freight and transport trends and development of future scenarios. (Centre for European Studies, University of Bath) (UK)
- Study on "The value of time for passengers", comparison of survey methods and alternative estimates. Prof. Nuti, University of Bologna.
- 1989-1992 Naples Urban Transport Plan, responsible for the socio-economic and land use data base, the calibration of the integrated transport and land use model (Meplan) and the economic evaluation.
- 1988 Long term strategies, demand forecast and market analysis for rail equipment in Eastern European Countries and USSR. Interviews with national responsible for planning and manufacturing. (Ansaldo).
- Feasibility study for the upgrading of the Abu Kir railway line at Alexandria (Egypt). Responsible for cost analysis and economic evaluation. Project financed by the Italian Ministry of Foreign Affairs (MAE).
- 1987 Feasibility study of a new railway link of the Bangkok railway node, Thailand. Cost analysis and economic evaluation.
- Consultant to the Italian Workmetal Union (FLM): Market studies and trend analysis for the bus manufacturing industry in Italy.
- 1986 Study for the rehabilitation of the railway line Brescia-Iseo Edolo: estimate of costs and benefits for freights and passengers and economic evaluation (Ferrovie Nord).
- 1985 Development of an interactive software package for the economic and financial analysis of multimodal transport projects, responsible of the vehicle operating costs and economic evaluation submodels (National Research Council, CNR).
- Development of transport planning model for the brazilian public agency GEIPOT, responsible of the economic evaluation and operating costs (road and railway) models.

	Transfer of models and training of local staff (Brasilia).
1983-1984	Transport Master Plan for the city of Alexandria (Egypt), assistant for the demand and land use models and the economic evaluation of alternative transport strategies. Project financed by the Italian Ministry for Foreign Affairs (MAE).
1983	Preparatory studies for a new fare systems for water resources in the river Po basin. Project founded by the Italian Agricultural Ministry. CIRIEC
1982-1983	Assistant of prof. Marco Ponti on the feasibility studies of two roads in Sudan (Kashmel Girba-New Halfa, 150 km; Kartoum-Atbara, 650 km)
1982	Consultant of the Institute for Advanced Sociological Studies on the Study for the rail by-pass in the Milano metropolitan area: Interviews with public and private actors affected by the project.
1981	Project to monitor and evaluate urban planning activities in the Lombardy region: analysis of the planning procedures in a sample of municipalities SISDO Consult
1980	Transport Plan of the city of Piacenza, data processing and analysis of the existing transport demand.

Publications

S. Maffii, A. Martino, *PROPOLIS: una metodologia per la valutazione di politiche di trasporto urbano sostenibile*, Trasporti&Territorio, n. 2/05, giugno 2005

Malgieri P., Maffii S., *Valutazioni e prospettive, un bilancio delle politiche dei trasporti della Regione Emilia Romagna*, Conferenza Nazionale sulla Politica Energetica in Italia, Bologna 18 aprile 2005

S. Maffii, A. Martino, *Politiche europee dei trasporti e impatti macroeconomici*, SIET - VII Riunione Scientifica: I trasporti e l'Europa: politiche, infrastrutture, concorrenza, Genova, 2004

S. Maffii, A. Martino, *Sustainability evaluation of urban transport pricing policies*, The Fifth Annual Global Conference on Environmental Taxation Issues - Experience and Potential, Pavia, 2004

D. Fiorello, S. Maffii, A. Martino, *Strategic assessment of alternative national policies to reduce transport externalities*, 10 World Conference of Transport Research, Istanbul, 2004

Maffii S., Pastori E., *La valutazione economica delle politiche urbane: Dal modello di interazione trasporti-territorio ad un sistema di indicatori economici*, Input 2003, terza conferenza nazionale di informatica e pianificazione urbana e territoriale, Pisa, Giugno 2003

S. Maffii, P. Malgieri, A. Martino, *Multimob: An internet platform for sustainable mobility*, 5th Biennial of Towns and Town Planners, Barcelona, Aprile 2003

S. Angelini, S. Maffii, A. Martino, *A policy evaluation framework for transport and urban sustainable development*, RSA - Regional Studies Association, *Reiventing Regions in the Global Economy*, Pisa, 2003

S.Maffii, M. Ponti, *Regolazione del trasporto e forma urbana: effetti negativi e positivi*, Centro Studi Federtrasporto, rapporto 2000, Città e trasporto, Politiche per la mobilità sostenibile. Roma, 2000.

Pastori E., Maffii S., Torta F., *Market trends and competitiveness in Italian maritime transport*, IAME 2000 Conference - The Maritime Industry into the Millennium: The Interaction of Theory and Practice. Naples, 13-15 September 2000.

S. Maffii, A. Martino, Il modello integrato trasporti e territorio di Napoli: dal Piano Comunale dei Trasporti ai test delle politiche della Commissione Europea, Atti del Convegno Input 99, Venezia

P. Malgieri, S. Maffii, The external costs of transport in Italy: a quantitative approach, 8th WCTR Conference, Antwerp 1998

S. Maffii, J.Ying, Accounting for Direct and Indirect Transport Costs in Strategic Transport Models, 8th WCTR Conference, Antwerp 1998

S. Maffii, M.Ponti, Aspetti economici e finanziari delle politiche di pricing, CNR, Roma, March 1998

A. Martino, S. Maffii, La situazione e la valutazione di politiche di sviluppo urbano sostenibile, IV Symposium of Italian Environmental Economists Association, Pavia, September 1997

S. Maffii, M.Ponti, The impact of transport European policies and investment on industries. 3rd International Symposium on logistic.

S. Maffii, Integrazione e pianificazione a Bolzano, Kineo, n.7 April 1995