Input-Output and General Equilibrium: Data, Modeling and Policy Analysis

Brussels, Free University of Brussels
September 2 – 4, 2004

International Conference Jointly Organized by the
Global Economic Modeling Network (EcoMod)
and the
International Input-Output Association (IIOA)

PROGRAM

Sponsored by
DULBEA
Department of Applied Economics
of the Free University of Brussels
# Conference Timetable

<table>
<thead>
<tr>
<th>Session</th>
<th>Session 1</th>
<th>Session 2</th>
<th>Session 3</th>
<th>Session 4</th>
<th>Session 5</th>
<th>Session 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room</td>
<td>H 1.301</td>
<td>H 1.302</td>
<td>H 1.308</td>
<td>H 1.309</td>
<td>H 2.213</td>
<td>H 2.111</td>
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<tr>
<td><strong>Thursday, September 2nd:</strong></td>
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<td></td>
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<tr>
<td>09:00 - 09:30</td>
<td>Registration</td>
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<tr>
<td>09:30 - 09:45</td>
<td>Welcome and Opening Session (Room H 2.215)</td>
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<tr>
<td>09:45 - 10:30</td>
<td>Plenary Session I (Room H 2.215)</td>
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<td>10:30 - 11:00</td>
<td>Refreshment Break</td>
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<tr>
<td>11:00 - 12:30</td>
<td>Technology and Innovation</td>
<td>Agriculture</td>
<td>Income Distribution and Poverty Issues</td>
<td>Regional Modeling</td>
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<td>12:30 - 14:00</td>
<td>Lunch Break</td>
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<tr>
<td>14:00 - 15:30</td>
<td>Energy and Environment</td>
<td>Structural Analysis</td>
<td>Methodological and Theoretical Issues</td>
<td>Agriculture and Regional Modeling</td>
<td>Sectoral issues and Technology</td>
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<tr>
<td>15:30 - 16:00</td>
<td>Refreshment Break</td>
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<td>16:00 - 17:30</td>
<td>Energy and Environment</td>
<td>Developing Countries</td>
<td>Methodological and Theoretical Issues</td>
<td>Regional modeling</td>
<td>Structural Analysis</td>
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<tr>
<td>17:30 - 20:00</td>
<td>Welcome Reception</td>
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<td><strong>Friday, September 3rd:</strong></td>
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<td>11:00 - 12:30</td>
<td>Developing Countries</td>
<td>Methodological and Theoretical Issues</td>
<td>Regional modeling</td>
<td>Transport and Spatial Modeling</td>
<td>Trade</td>
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<td>12:30 - 14:00</td>
<td>Lunch Break</td>
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<td>14:00 - 15:30</td>
<td>Energy and Environment</td>
<td>Tourism</td>
<td>Methodological and Theoretical Issues</td>
<td>Technology and IO Models</td>
<td>Overlapping Generations Modeling and Public finance</td>
<td>Trade</td>
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<td>Refreshment Break</td>
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<td>16:00 - 18:00</td>
<td>Energy and Environment</td>
<td>Transition Economies</td>
<td>Methodological and Theoretical Issues</td>
<td>Database Construction and Parameterization</td>
<td>Tax Policy</td>
<td>Labor Market and Income Distribution</td>
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<tr>
<td>20:00 - 23:00</td>
<td>Gala Dinner</td>
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<td><strong>Saturday, September 4th:</strong></td>
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<tr>
<td>09:00 - 10:30</td>
<td>Natural Resources</td>
<td>Entreprise IO Models</td>
<td>Methodological and Theoretical Issues</td>
<td>Database Construction, IO and SAM</td>
<td>EU Enlargement</td>
<td>Trade</td>
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<td>10:30 - 11:00</td>
<td>Refreshment Break</td>
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<tr>
<td>11:00 - 12:30</td>
<td>Energy and Environment</td>
<td>Developing Countries</td>
<td>Money and Finance</td>
<td>Projecting and Updating IO and SAM</td>
<td>Dynamic IO Models</td>
<td>Labor Markets</td>
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<tr>
<td>12:30 - 13:00</td>
<td>Closing Ceremony and Farewell Reception</td>
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Thursday, September 2\textsuperscript{nd}:

9:00 – 9:30: Registration

9:30 – 9:45 Welcome and Opening Session (Room: H 2.215)

Ali BAYAR, Program Committee Co-Chair, President EcoMod Network, Free University of Brussels

Klaus CONRAD, Program Committee Co-Chair, University of Mannheim

Jan OOSTERHAVEN, Vice-President IIOA, University of Groningen

9:45 – 10:30 Plenary Session I: Trade Issues in General Equilibrium Modeling

(Room: H 2.215)

Chair: Eduardo HADDAD, University of São Paulo

Sherman ROBINSON, University of Sussex


10:30 – 11:00 Refreshment Break

11:00 – 12:30 Parallel Sessions

Session 1: Technology and Innovation (Room: H 1.301)

Chair: Pirkko AULIN-AHMAVAARA

Pascal HETZE

The Joint Use of Technology and Know-How. What Are the Effects on Unemployment and Innovation?

Ronald JANßEN-TIMMEN, Waike MOOS

The Economic Importance of Cross-Sectional Technologies

Pirkko AULIN-AHMAVAARA

Aggregation of Industry-Level TFP-Measures
Session 2: Agriculture (Room: H 1.302)

**Chair:** Christos FLOROS

William EDMONDSO
*The Switch from SIC to NAICS in a Partially-Closed Model of the U.S. Benchmark Accounts: The Implications for Agriculture.*

Edoardo PIZZOLI
*Agricultural Sector in Input-output Matrix: a Microdata Approach for the Italian Case.*

Christos FLOROS, Pierre FAILLER
*Policy Analysis for Fisheries: A Dynamic CGE Approach*

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Session 3: Income Distribution and Poverty Issues (Room: H 1.308)

**Chair:** Eduardo A. HADDAD

Amarendra SAHOO, Thijs TEN RAA
*Impact of Efficiency Gain under Competitive Pressure on Indian Households: A General Equilibrium Approach*

Samir CURY, Carlos Henrique CORSEUIL, Alexandre M. COELHO
*A Computable General Equilibrium Model to Analyse Distributive Aspects in Brazil with a Trade Policy Illustration*

Carlos AZZONI, Eduardo A. HADDAD, Joaquim M. GUILHOTO, Tatiane A. MENEZES, Fernando G. SILVEIRA
*Commodity Prices Changes and their Impacts on Poverty in Developing Countries: the Brazilian Case*

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Session 4: Regional Modeling (Room: H 1.309)

**Chair:** M. Alejandro CARDENETE

Cinthia COSTA, Joaquim José MARTINS GUILHOTO, Heloisa LEE BURNQUIST
*Cane Industry Relations with Brazilian National Economy*

Norihiko YAMANO, Yoshio KAJITANI, Yoshiharu SHUMUTA
*Modeling the Regional Economic Loss of Natural Disasters: Indirect Loss Diffusion Due to the Disruptions of Electricity Lifeline and Interindustry Economic Activities*

M. Alejandro CARDENETE, F.J. ANDRE, E. VELAZQUEZ
*Performing an Environmental Tax Reform in a Regional Economy. A CGE Approach*
12:30 – 14:00 Lunch Break

14:00 – 15:30 Parallel Sessions

Session 1: Energy and Environment (Room: H 1.301)

**Chair:** Sonja PETERSON

Karen TURNER, Grant ALLAN, Nick HANLEY, Peter MCGREGOR, Kim SWALES

*An Extension and Application of the Leontief Pollution Model for Waste Generation and Disposal in Scotland*

Erik DIETZENBACHER, Kakali MUKHOPADHYAY

*An Empirical Examination of the Pollution Haven Hypothesis for India: Towards a Green Leontief Paradox?*

Gernot KLEPPER, Sonja PETERSON

*The EU Emissions Trading Scheme - Allowance Prices, Trade Flows, Competitiveness Effects*

Session 2: Structural Analysis (Room: H 1.302)

**Chair:** Julio SANCHEZ CHOLIZ

Bart LOS, Erik DIETZENBACHER, Olaf DE GROOT

*Consumption Growth Accounting*

Maurizio CIASCHINI, Claudio SOCCI

*Backward and Forward Dispersion Approach in a Bi-regional Social Accounting Framework*

Julio SANCHEZ CHOLIZ, Rosa DUARTE

*Structural Change and Productive Blocks in the Spanish Economy: an Input-Output Analysis for 1980-1994*
Session 3: Methodological and Theoretical Issues (Room: H 1.308)

**Chair:** Louis DE MESNARD

Jing HE, Xikang CHEN  
*A Multi-Objective Nonlinear Programming Approach To Computable General Equilibrium and Input-Output Models*

Maurizio GRASSINI  
*Rowing along the Computable General Equilibrium Mainstream*

Louis DE MESNARD  
*Understanding the Shortcomings of Commodity-Based Technology in Input-Output Models: an Economic-Circuit Approach*

Session 4: Agriculture and Regional Modeling (Room: H 1.309)

**Chair:** Joaquim José MARTINS GUILHOTO

Francisco Javier DE MIGUEL VÉLEZ, Antonio MANRESA  
*Agricultural Subsidies in the Extremadura Region: an Applied General Equilibrium Analysis*


Margarida FIGUEIREDO, Alexandre Lahóz MENDONÇA DE BARROS, Joaquim José MARTINS GUILHOTO  
*Agriculture and Productive Framework of Mato Grosso State: an Input-Output Analysis*

Session 5: Sectoral Issues and Technology (Room: H 2.213)

**Chair:** Rosa Belen CASTRO NUÑEZ

Heloisa BURNQUIST, Cinthia Cabral DA COSTA, Joaquim José MARTINS GUILHOTO  
*Impacts of Changes in Regional Sugar and Ethanol Exports upon Brazilian overall Economy*

Nooraddin SHARIFY  
*An Effective Allocation of Investment Resources Using a Linear Programming Model Integrated with a SAM*

Rosa Belen CASTRO NUÑEZ  
*Analysis of the US Technological Spillovers over the Mexican Economy*
15:30 – 16:00 Refreshment Break

16:00 – 17:30 Parallel Sessions

Session 1: Energy and Environment (Room: H 1.301)

Chair: Kurt KRATENA

Francesco BOSELLO, Marco LAZZARIN, Roberto ROSON, Richard TOL
A General Equilibrium Analysis of Climate Change Impacts: Sea Level Rise

Luis CRUZ
Energy Use and CO2 Emissions in Portugal

Kurt KRATENA, Michael WUEGER
Consumers Demand in a Global Model for Sustainable Development

Session 2: Developing Countries (Room: H 1.302)

Chair: Motaz KHORSHID

Alain MAURIN, Sébastien MATHOURAPARSAD, Jean-Gabriel MONTAUBAN
Social Accounting Matrices and Sectional Analysis for Guadeloupe: First Prototype Models and First Results

Fatemeh BAZZAZAN
Economic Structural Changes Overtime in Iran

Motaz KHORSHID
Model-Centered Government Decision Support Systems for Socioeconomic Development in the Arab World

Session 3: Methodological and Theoretical Issues (Room: H 1.308)

Chair: Joao LOPES

Dimitrios TSOMOCOS, C.A.E. GOODHART, P. SUNIRAND
A Model to Analyse Financial Fragility

Marija BOČKARJOVA
The Direct Estimation of the Event Matrix in the Input-Output Framework in the Case of a Major Catastrophe

Joao LOPES, João F. AMARAL, João DIAS
Complexity as Interrelatedness: an Input-Output Approach
Session 4: Regional modeling (Room: H 1.309)

Chair: J. Marcos CASTRO

Geoff RIDDINGTON, Hervey GIBSON, John ANDERSON
*A Comparison of National Accounts, Survey and Location Quotient based Local Area models and multipliers.*

Walter SCHWARM
*Interregional Rural/Urban Fiscal Competition: A Political-Economy General Equilibrium Approach*

J. Marcos CASTRO, Laura MONICHE-BERMEJO, Antonio MORILLAS-RAYA
*Cross-Border Leakages in Community Support Frameworks. The Case of Andalusia.*

Session 5: Structural Analysis (Room: H 2.213)

Chair: Chong Gui KIM

Ngoc PHAM QUANG, Pierre MOHNEN
*Impact of Structural Change on Economic Growth in Vietnam*

Nadezhda MIKHEEVA, Masaaki KUBONIWA
*Social Accounting Matrices for Russia for 1995-2001*

Chong Gui KIM
*The structure of the Korean Economy on the 2000 Input-Output Tables*

17:30 Welcome Reception at the Free University of Brussels
Friday, September 3rd:

9:00 – 10:30 Plenary Session II (Room: H 2.215)

Chair: Klaus CONRAD, University of Mannheim

Inge MAYERES, Stef PROOST, Catholic University of Leuven
Testing Alternative Transport Pricing Strategies: A CGE Analysis for Belgium

Thomas RUTHERFORD, University of Colorado
A Model of Traffic Congestion, Housing Prices and Compensating Wage Differentials

Karl STEININGER, University of Graz
Distributional Impacts of Nationwide Car Road Pricing: A CGE Analysis for Austria

10:30 – 11:00 Refreshment Break

11:00 – 12:30 Parallel Sessions

Session 2: Developing Countries (Room: H 1.302)

Chair: David ZAVALETA

Jorge BUZAGLO, Alvaro CALZADILLA
Analysing Bolivian Poverty Reduction Strategies: Database and model Construction

Anne BRIAND
Comparative Water Pricing Analysis: Duality Formal-Informal in a CGE Model for Senegal

David ZAVALETA
Modeling the Economic Effects of a Natural Resource Boom in General Equilibrium: The Bolivian Case
Session 3: Methodological and Theoretical Issues (Room: H 1.308)

**Chair:** Karl KIM

Jim JIN, David CANNING  
*General Equilibrium with Imperfect Competition and Intermediate Goods*

Kunhong KIM, Young Sik KIM  
*Intermediate Input Channel and the Sectoral Comovement along Business Cycle: Analysis Based on the Intertemporal Optimisation Approach*

Karl KIM, Denise EBY KONAN  
*Using I-O Analysis and CGE Modeling to Estimate Infrastructure Demand in Hawaii*

Session 4: Regional modeling (Room: H 1.309)

**Chair:** Jian ZHANG

Takaaki OKUDA, Takayuki HATANO, Shuchang Qi  
*An Estimation of Chinese Interregional Input/Output Table and the Analysis*

Branko GRCIC, Željko MRNJAVAC Blanka PETKOVIC  
*Impact Analysis of Different Scenarios Employs the I-O Technique*

Jian ZHANG, Janaki R.R. ALAVALAPATI, Ram K. SHRESTHA, and Alan W. HODGES  
*Economic Impacts of Closing National Forests for Commercial Timber Production in Florida and Liberty County*

Session 5: Transport and Spatial Modeling (Room: H 2.213)

**Chair:** Geoffrey J.D. HEWINGS

Olga IVANOVA  
*Market Imperfections and Benefits of Transport Infrastructure Provision: a SCGE Analysis*

Jan OOSTERHAVEN  
*On the Perverse Effects of Iceberg Type Transport Cost in Multisectoral Equilibrium Models*

Eduardo HADDAD, Geoffrey J.D. HEWINGS  
*Transportation Costs, Increasing Returns and Regional Growth: An Interregional CGE Analysis*
Session 6: Trade (Room: H 2.111)

Chair: Bernt STIGUM

Jose Paulo CHAHAD, Antonio COMUNE
Spatial Interdependence of Brazilian Exports: Impacts on Regional Labor Markets

Joana CHAPA
A Structural and Trade Liberalization Analysis of the Mexican Economy

Bernt STIGUM
A General Equilibrium Input-Output Trial: The Empirical Relevance for Norwegian Trade Flows of the Heckscher-Ohlin Conjecture

12:30 – 14:00 Lunch Break

14:00 – 15:30 Parallel Sessions

Session 1: Energy and Environment (Room: H 1.301)

Chair: Claudia KEMFERT

Bernd MEYER, Christian LUTZ, Marc Ingo WOLTER
Global Economic-Environmental Modeling. From COMPASS to GINFORS

Marjan HOFKES, Reyer GERLAGH, Vincent LINDERHOF
Trend Analysis of Sustainable National Income for the Netherlands

Claudia KEMFERT, Truong TRUONG, Thomas BRUCKNER
Economic Impact Assessment of Climate Change

Session 2: Tourism (Room: H 1.302)

Chair: Elisabeth VALLE

Nishaal GOOROOCHEURN
Tourism Taxation: A Theoretical and Empirical Investigation

Raja ALBQAMI
Economic Impact of Tourism on Saudi Arabian Economy Using Input-Output

Elisabeth VALLE, Clemente POLO
Economic Impact of Changes in Tourism for the Balearic Islands
Session 3: Methodological and Theoretical Issues (Room: H 1.308)

Chair: José Manuel RUEDA-CANTUCHE

Maria FORGON, Csák LIGETI
Integration the Hungarian SUT and I/O into the National Accounts

Kenning MARCHANT
The Cognitive Infrastructure of Input-Output Relations

José Manuel RUEDA-CANTUCHE, Marisa ASENSIO PARDO, Antonio TITOS MORENO
A Use-side Trade Margins Matrix for the Andalusian Economy

Session 4: Technology and IO Models (Room: H 1.309)

Chair: Harry C. WILTING

Zonghie HAN, Bertram SCHEFOLD
An Empirical Investigation of Paradoxes (Reswitching and Reverse Capital Deepening) in Capital Theory

Maurizio BAUSSOLA, Francesco TIMPANO
Clusters, ICT Sectors and Innovation Activity: a Policy Oriented Approach Based on Input-Output

Harry C. WILTING, Albert FABER, Annemarth M. IDENBURG
Exploring Technology Scenarios with an Input-Output Model

Session 5: Overlapping Generations Modeling and Public finance
(Room: H 2.213)

Chair: Mirela KEUSCHNIGG

Ji-Taek SEO, Hajime INAMURA, Asao ANDO
Economic Effects of Tax Reform in an Overlapping Generations Model

Maria SHIKALOVA
Effect of Pension Reform on Hidden Employment: Russian Case

Mirela KEUSCHNIGG, Christian KEUSCHNIGG
Aging, Labor Markets and Pension Reform in Austria
Session 6: Trade (Room: H 2.111)

Chair: Joana CHAPA

Mossa. Anisa KHATUN, Hajime INAMURA
A Dynamic International Trade Model Using Overlapping Generation and General Equilibrium Concept

Haykel HADJ SALEM

Joana CHAPA
The impact of North American Free Trade Agreement on the Mexican Economy

15:30 – 16:00 Refreshment Break

16:00 – 18:00 Parallel Sessions

Session 1: Energy and Environment (Room: H1.301)

Chair: Antonio G. GOMEZ-PLANA

Rodica SANDU
Energy Policy in Romania: a Computable General Equilibrium Approach

Stefan VOEGELE, Tim HOFFMANN, Peter MARKEWITZ
Fuel Substitution Options in the Electricity Sector -The Dependency on Capital Malleability

Ali BAYAR, Frédéric DRAMAIS, Cristina MOHORA, Masudi OPESE
GreenMod: A Dynamic General Equilibrium Model for Energy and Environmental Policy Analysis at the Regional, National, and Sectoral Levels

Taran FÆHN, Antonio G. GOMEZ-PLANA, Snorre KVERNDOKK
Can a Carbon Permit System Reduce Spanish Unemployment?

Session 2: Transition Economies (Room: H 1.302)

Chair: Cristina MOHORA

Juraj KOTULIC BUNTA, Viliam PALENIK, Miroslav KOTOV
Review of Recent CGE Applications in the Slovak Republic’s Economy

Edgars BREKIS, Ismena REVINA
The Indicators of Macroeconomic Policy in Baltic Countries

Ali BAYAR, Peter CORNELISSE, Peter VAN DER HOEK, Cristina MOHORA
Tax Harmonization and Public Expenditures Restructuring in Romania, in the Process of Preparation for the EU Accession – A CGE Modeling Exercise
Session 3: Methodological and Theoretical Issues (Room: H 1.308)

Chair: Kenning MARCHANT

Luciano BERTI
*Prices for Welfare*

Milan JAYASINGHE
*On the Mechanics of Measuring the Production of Financial Institutions: New Insights from Canada*

José Manuel RUEDA-CANTUCHE, Thijs TEN RAA
*Secondary Products in the Andalusian Economy*

Kenning MARCHANT
*Tournament Determinants in Input-Output Relations*

Session 4: Database Construction and Parameterization (Room: H 1.309)

Chair: Lars SVENSSON

Haykel HADJ SALEM
*The Macro Social Accounting Matrix of Tunisia in 1996*

Jean-Pascal Nguessa NGANOU
*Estimating Key Parameters of the Lesotho CGE Model*

Lars M. WIDELL, Lars SVENSSON
*Estimation of Commodity by Commodity IO Matrixes*

Session 5: Tax Policy (Room: H 2.213)

Chair: Tobias MÜLLER

Keshab Raj BHATTARAI
*Welfare Impacts of Equal-yield Tax Reforms in the UK Economy*

Doina RADULESCU, Michael STIMMELMAYR
*Implementing a Dual Income Tax in Germany: A Welfare Analysis*

Brita BYE, Birger STRØM, Turid ÅVITSLAND
*Welfare Effects of VAT Reforms: A General Equilibrium Analysis*

Tobias MÜLLER
Session 6: Labor Market and Income Distribution (Room: H 2.111)

Chair: Bart HOBIJN

Susana SANTOS  
*Distribution of Aggregate Income in Portugal within the Framework of a Social Accounting Matrix. Modelling the Household Sector.*

Greg GAJEWSKI, David CROWther, Bazlul KHONDKER, Marc LUPPINO, Sajjad ZOHIR  
*Estimating the Impacts of the Jamuna Bridge on Poverty Levels in Bangladesh Using SAM and CGE Models: A Comparative Study*

Bart HOBIJN, Margaret MCCONNELL, Bess RABIN  
*Accounting for Outsourcing*

20:00 Gala Dinner
Saturday, September 4th:

09:00 – 10:30 Parallel Sessions

Session 1: Natural Resources (Room: H 1.301)

Chair: Orlando SAN MARTIN

Jing HE, Xikang CHEN
*Calculations of Water Resource Shadow Price By Using Computable General Equilibrium and Input-Output Models*

Friedrich HINTERBERGER, Stefan GILJUM
*Modelling Global Resource Use: MFA, Land Use and Input-Output Models*

Orlando SAN MARTIN, Stein HOLDEN
*Food and Trees in the Village – The Impacts of Economic Policies on Food Production and Forest Resources Management: a Social Accounting Analysis*

Session 2: Enterprise IO Models (Room: H 1.302)

Chair: Jan CAPEK

Alexandrine JAMIN, Jean-Marc BONNISSEAU
*General Equilibrium Theory and Increasing Returns: an Alternative to the Survival Assumption*

Igor MARCIALIS
*The impact of the Network Enterprises Development on the Global Market Equilibrium: the Need to Manage the Resource Flows outside the Rules as a Must to Survive*

Jan CAPEK, Ivana KRAFTOVA
*Application of I/O Model in Seasonal Cycle Analysis of one Czech Company*

Session 3: Methodological and Theoretical Issues (Room: H 1.308)

Chair: Roland LANTNER

José Manuel RUEDA-CANTUCHE, Thijs TEN RAA
*Stochastic Analysis of Input-Output Multipliers on the Basis of Use and Make Matrices*

Rafael BOUCHAIN
*Algorithm to Calculate the Total Linkages*

Roland LANTNER, Frederic CARLUER
*A Theoretical Indicator of General Interdependence*
Session 4: Database Construction, IO and SAM (Room: H 1.309)

**Chair:** Peter RITZMANN

Laura MONICHE, Emilio FONTELA
*Structural Changes of Household Consumption: The Case of Andalusia in a SAM Framework*

Alexandre A. PORSSE
*A Methodology to Estimate an Input-Output Matrix Integrated with an Account System at State Level*

Peter RITZMANN
*European Union Data for Input-Output and General Equilibrium Modelling*

Session 5: EU Enlargement (Room: H 2.213)

**Chair:** Marek ROJICEK

Alessandro ANTIMIANI, Fedrica SANTUCCIO
*Fischler’s Reform, Enlargement and “Effective Market Access” in the EU: an Evaluation in a CGE Context*

Lars WANG
*Integration of the CEECs in the EU and their Participation in the EMU: A VEO and AGE Analysis*

Marek ROJICEK, Ivan JANOVSKIJ
*CGE Models Applied on New European Union Members, Case of Czech Republic*

Session 6: Trade (Room: H 2.111)

**Chair:** Erik DIETZENBACHER

Hildegunn NORDÅS
*Vertical Specialization and the Quality of Infrastructure*

Edson DOMINGUES, Mauro BORGES LEMOS
*Regional Impacts of Trade Liberalization Strategies in Brazil*

Alex HOEN, Erik DIETZENBACHER, Bart LOS, JAN G. MEIST
*International Convergence and Divergence of Material Input Structures: An Industry-Level Perspective*

10:30 – 11:00 Refreshment break
11:00 – 12:30 Parallel Sessions

**Session 1: Energy and Environment** (Room: H 1.301)

**Chair:** Erik DIETZENBACHER

Esther VELAZQUEZ ALONSO  
*Impact Analysis and Extraction Method: Applications on Water Resources in Andalusia*

Shigemi KAGAWA, Shinichiro NAKAMURA, Hajime INAMURA  
*Measuring Spatial Repercussion Effects of Regional Waste Recycling*

Erik DIETZENBACHER  
*Waste Treatment in Physical Input-Output Analysis*

**Session 2: Developing Countries** (Room: H 1.302)

**Chair:** Katsushi IMAI

Jose IBARRA  
*A Dynamic Input Output Model for the Mexican Economy*

Lawrence ARBENSER  
*A General Equilibrium Analysis of the Impact of Inward FDI on Ghana: The Role of Complementary Policies*

Katsushi IMAI  
*Targeting versus Universalism: Is the Employment Guarantee Scheme in India an Effective Way of Poverty Alleviation Policy?*

**Session 3: Money and Finance** (Room: H 1.308)

**Chair:** Marcos VALLI JORGE

Wolfram BERGER  
*Optimal Monetary Policy Under Global and Sectoral Shocks: Is International Monetary Cooperation Beneficial?*

Dimitrios TSOMOCOS, C.A.E. GOODHART, P. SUNIRAND  
*A Model to Analyse Financial Fragility: Applications*

Marcos VALLI JORGE, Wilfredo L. MALDONADO, Octavio TOURINHO  
*Endogenous Foreign Capital Flow in Brazil: The Role of the Foreign Reserves*
Session 4: Projecting and Updating IO and SAM (Room: H 1.309)

Chair: Sherman ROBINSON

Ziad GHANEM
*Updating Input-Output Tables: A Linear Programming Approach*

Casiano MANRIQUE DE LARA PENATE, Dolores SANTOS PENATE
*Step-Wise SAM Updating Approaches*

Sherman ROBINSON, Scott MCDONALD
*Using Maximum Entropy Methods for Estimating SAMs*

Session 5: Dynamic IO Models (Room: H 2.213)

Chair: Michael SONIS

José Ramón GUZMAN
*Dynamics of an Input Output Reaction Diffusion Model*

Mariano BLANC
*Dynamic Equilibrium in Input Output Models: Theory and Empirical Applications*

Michael SONIS, G.J.D HEWINGS
*Miyazawa Meet Christaller: Spatial Multipliers within a Triple Decomposition of Input-Output Central Place System.*

Session 6: Labor Markets (Room: H 2.111)

Chair: Akiko NAKAJIMA

Ali Asghar BANOUEI, Jillian BANOUEI
*Structure of Production and Urban-Rural Income Inequalities in the Framework of Structural Path Analysis: The Case of Iran.*

Harvey CUTLER, Stephen DAVIES
*The Economic Consequences of Population-and Employment-Led Growth*

Akiko NAKAJIMA, Taiji HAGIWARA, Yoshihiro TAMAI, Wen REN
*Inter-Relationship of Total Labour Requirement and Value Added Productivity of Labour in the Phases of Economic Fluctuations: Case of USA for Years 1987 to 1997*

12:30 – 13:00 Closing Ceremony and Farewell Reception