17th International Input-Output Conference

University of São Paulo – USP

School of Economics, Business, Administration and Accountancy
FEA

Department of Economics

13-17 July 2009
SÃO PAULO ✈ BRAZIL

Promotion:

Sponsors:
Monday July 13

1.1 Compilation of Supply and Use: Input-Output Tables I – 11:00–12:30h

**Session organizer:** JOERG BEUTEL (Konstanz University of Applied Sciences, Germany)

**Chair:** JOERG BEUTEL (Konstanz University of Applied Sciences)

- Peter Ritzmann (Eurostat, Luxembourg), José M. Rueda-Cantuche (Joint Research Centre IPTS of the European Commission, Spain)
  - A consolidated European Union and Euro Area Supply-Use System and Input-Output Tables
- Liv Hobbelstad Simpson (Statistics Norway)
  - Statistical Sources of Supply and Use Systems in the EU
- JAROSLAV SIXTA (University of Economics in Prague, Czech Republic); JAKUB FISCHER (University of Economics in Prague, Czech Republic)
  - Capital Services and Supply and Use Tables Compilation

2.1 Macroeconomic Analysis: Trade – 14:00-15:30h

**Chair:** NORIHIKO YAMANO (OECD, France)

- ROBERT STEHRER (The Vienna Institute for International Economics Studies, Austria)
  - Trade Integration and Employment: A Decomposition Approach
- LAFANG WANG (Hunan University, China), SHANTONG LI (Development Research Center of the State Council, China)
  - Export Taxes Policy and Industry Growth: Chinese Steel in 1990s and 2000s
- URJASWITA SINGH, RITISNIGDHA PANIGRAHI, SHRI PRAKASH (BIMTECH, India)
  - Impact of Foreign Investments on Stock Market – A Study of in and out Flows of Funds in an Input-Output Framework

3.1 Supply and Use: Input-Output Tables – 16:00-17:30h

**Session organizer:** JOERG BEUTEL (Konstanz University of Applied Sciences)

**Chair:** JOSÉ M. RUEDA-CANTUCHE (European Commission - Joint Research Center, Spain)

- VITEZSLAV ONDRUS (Czech Statistical Office, Strašnice)
  - National Accounts and Economic Migration
- BENT THAGE (Danmarks Statistik, Sejrøegade)
  - The rise and fall of input-output in the SNA
- JOSÉ M. RUEDA-CANTUCHE (European Commission - Joint Research Center, Spain), ANTONIO F. AMORES (Pablo de Olavide University, Spain)
  - Econometric Estimates of the Danish CO₂ Emission Multipliers by Products on the Basis of the Supply and Use System
Tuesday July 14

4.1 Theoretical Developments I – 09:00-10:30h

Chair: MARSHALL, KATHRYN (California Polytechnic University, United States)

EDUARDO CRESPO, MARCUS CARDOSO SANTIAGO (UFRJ, Brazil)
†1932 -1938: Wassily Leontief’s Early Papers Besides the Input-Output Model

EDUARDO CRESPO, MARCUS CARDOSO SANTIAGO (UFRJ, Brazil)
†The Evolution of the Theory of Value from Dmitriev and Bortkiewicz to Charasoff

KATHRYN MARSHALL, ERIC FISHER (California Polytechnic University, United States)
†The Structure of the American Economy

5.1 Transformation of Supply and Use Tables to Input-Output Tables – 14:00-15:30h

Session organizer: JOERG BEUTEL (Konstanz University of Applied Sciences)

Chair: JOERG BEUTEL (Konstanz University of Applied Sciences)

JOSÉ M. RUEDA-CANTUCHE ((European Commission - Joint Research Center, Spain) and THIJS TEN RAA (Tilburg University, Netherlands)
†The Choice of Model in the Construction of Industry Coefficients Matrices

INGUNN SAGELVMO (Statistics Norway)
†Transformation of Supply and Use Tables to Industry by Industry Input-Output Table

DIAS, ANA (Departamento de Prospectiva e Planeamento e Relações Internacionais, Portugal)
†Building a System of Symmetric Input-Output Tables - Application to Portugal, 2005

6.1 Dynamics – 16:00-17:30h

Chair: XU DAN (School of Management of Graduate School of the Chinese Academy of Sciences, China)

AKIKO NAKAJIMA (Fukuoka University, Japan)
†What do We Know About Value Relative Prices and Market Prices: Japan 1951-2000

KASH BARKER (University of Oklahoma, United States), JOOST SANTOS (University of Virginia, United States)
†Measuring the Efficacy of Inventory with a Dynamic Input-Output Model

XU DAN (School of Management of Graduate School of the Chinese Academy of Sciences, China), TONG RENCHENG (China)
†An Input-Output Sticky-Price Model
Thursday July 16

7.1 Structure and Structural Changes- International Perspectives
– 09:00-10:30h

Chair: MARKKU RTY (Statistics Finland, Finland)

- MAAIKE BOUWMEESTER (University of Groningen, The Netherlands); JAN OOSTERHAVEN (University of Groningen, The Netherlands); Methodology for the Construction of an International Supply-Use Table
- VU THI HAI ANH (Vietnam National University, Vietnam); BUI TRINH (General Statistics Office of Vietnam and Centre for Economic and Policy Research); NGUYEN DUC THANH (Centre for Economic and Policy Research, College of Economics, Vietnam National University, Hanoi); Structural Changes in Vietnamese Industry and Trade during 1989-2005: An Input-Output analysis
- ANNELI MIETTINEN, MARKKU RTY (Statistics Finland, Finland); Graphical User Interface for Balancing the Sut System in Finnish National Accounts

8.1 The World Input-Output Database (WIOD) Project II – 14:00-15:30h

Chair: AURELIEN GENTY (IPTS/Institute for Prospective Technological Studies, Sevilla)

- ANDREAS LÖSCHEL, SEBASTIAN VOIGT (ZEW/Center for European Economic Research, Mannheim); Environmental Modeling in the WIOD Project
- ALEJANDRO VILLANUEVA, FREDERIK NEUWAHL and AURELIEN GENTY (IPTS/Institute for Prospective Technological Studies, Sevilla); Energy and Environment in the WIOD System of Satellite Accounts
- NORIHIKO YAMANO, DONG GUO (OECD, France); The Analysis of Economic Linkage Using Harmonized World Input-Output and Bilateral Trade Database in Goods and Services
Friday July 17

9.1 Theoretical Developments II – 09:00-10:30h

Chair: JOSE MANUEL RUEDACANTUCHE (Joint Research Centre IPTS of the European Commission, Spain)

Antonio F. Amores (Pablo de Olavide University, Spain), Jose Manuel Ruedacantuche (Joint Research Centre IPTS of the European Commission, Spain)

The Identification of Key Sectors by Means of Data Envelopment Analysis (DEA): The Case of EU-27

Joao Dias, Joao Amaral, Joao Lopes (ISEG/UECE, Portugal)

Two New Measures for Assessing Complexity as Interrelatedness

Erik Dietzenbacher (University of Groningen, The Netherlands); Ronald E. Miller (Regional Science Department (Emeritus), University of Pennsylvania)

RAS-ing the Transactions or the Coefficients: It Makes No Difference
Monday July 13

1.2 CGE Modeling with Environmental Applications – 11:00–12:30h

Session organizer: ALEJANDRO CARDENETE (Universidad Pablo de Olavide, Sevilla, Spain) and FERRAN SANCHO (Universidad Autónoma de Barcelona, Spain)
Chair: M. ALEJANDRO CARDENETE (Universidad Pablo de Olavide, Sevilla, Spain)

- Short Run Policies to Mitigate Rebound Effects of Energy Efficiency Gains: Subsidies or Ecotaxes?
- Economic and Environmental Efficient Policies in an Applied General Equilibrium Framework
- The Distorting Effects Of Environmental Taxes in a Regional Economy: A Computable General Equilibrium Approach

2.2 Compilation of Supply and Use: Input-Output Tables II – 14:00-15:30h

Session organizer: JOERG BEUTEL (Konstanz University of Applied Sciences)
Chair: JOERG BEUTEL (Konstanz University of Applied Sciences)

- Compilation of input-output system within National Accounts: Recent Practices in Slovenia
- Attributing GDP Growth Rates to Final Demand Components
- Compilation of Supply and Use Tables in Pakistan

3.2 Multiregional Trade II – 16:00-17:30h

Chair: ZHUOYING ZHANG (Graduate University of Chinese Academy of Sciences, China)

- The Practice of the Use of Multiregional IO Models in Strategic Forecasts of Russian Economy
- The Transport System as Determinant of Patterns of Linkages and Multipliers: A Multi-Regional Input-Output Model for São Paulo’s Roads
- Spatial Linkage of Manufacturing Industries in China: Based on Interregional Input-Output Analysis
Tuesday July 14

4.2 Structural Change: Productivity – 09:00-10:30h

Chair: LING YANG (Xi’an Jiaotong University, China)

△ SHRI PRAKASH, SHALINI SHARMA, FARAJI KASIDI (Birla Institute of Management Technology, India)
   ➤ Input-Output Modeling of the Impact of FDI on Indian Economic Growth

△ NOORASIAH SULAIMAN, ABDUL RASHID ZAKARIAH (National University Malaysia, Malaysia)

△ MICHAEL LAHR (The State University of New Jersey, United States) LING YANG (Xi’an Jiaotong University, China)
   ➤ Sources of Chinese Labor Productivity Growth: A Structural Decomposition Analysis, 1987-2005

5.2 Impact and Policy Analysis – 14:00-15:30h

Chair: ANTONIO F. AMORES (Pablo de Olavide University, Spain)

△ BART LOS (University of Groningen, Netherlands)
   ➤ Input-Output Analysis: An Impact Study

△ JIANWEN YUAN (Guangdong University of Business Studies, China)
   ➤ Comparative Analysis on the Economic Structure of Guangdong Province and Taiwan Area

△ ALBQAMI, RAJA M ALMARZOQI (Ministry of Foreign Affairs, Saudi Arabia)
   ➤ Optimum Exchange Rate Policy for the Saudi Riyal

6.2 Regional Analysis – 16:00-17:30h

Chair: CHARALAMPOS ECONOMIDIS (Panteion University, Greece)

△ DAVID CARVALHO (Universidade Federal do Pará, Brazil)
   ➤ Financial Institutions and the Development of the Amazon: An Application of the Regional Social Accounting Matrix

△ FRANCISCO DE ASSIS COSTA (Núcleo de Altos Estudos Amazônicos - Universidade Federal do Pará, Brazil)
   ➤ Policy for Avoiding Deforestation, Local Economy and Land Market in Amazon: Simulations Using I-O matrix to Southeastern of Pará and Extrapolation to the Great North Region

△ CHARALAMPOS ECONOMIDIS, DIMITRIOS KERAMIDAS (Panteion University, Greece), NIKOS STROMPLOS (National Statistical Service of Greece, Greece), ATHANASIOS SFETSOS (Environmental Research Laboratory, INT-RP, NCSR Demokritos, Greece)
   ➤ The Participation of Migrants in the Greek Economy at a Regional Level: An Input-Output Analysis
Thursday July 16

7.2 Modeling Issues in Environmental Analysis III – 09:00-10:30h

Chair: SOHEILA PARVIN (Alameh Tabatabai University, Iran)

- THIJS TEN RAA (Tilburg University Netherlands); VICTORIA SHESTALOVA (CPB The Netherlands Bureau for Economic Policy Analysis)
  - Linear Programming “Versus” Equilibrium Approaches to Interregional Economics, With Applications to Trade and Emissions

- KAZUSHIGE SHIMPO (Keio University, Japan); RITU MATHUR (The Energy and Resources Institute), AMTITA GOLDER (The Energy and Resources Institute), KAZRTIK GANJU (The Energy and Resources Institute), PRIMA MADAN (The Energy and Resources Institute)
  - Mitigating CO2 Emissions of Rural Households in India: Input-Output Analysis of LaBL (Lighting a Billion Lives)

- KAKALI MUKHOPADHYAY, HOWARD GUMILONG, PAUL THOMASSIN (McGill University, Canada)
  - Trade Liberalization and the Environment- A Case Study of Indonesia

- WANG YAN, MINJUN SHI, (Graduate University of Chinese Academy of Sciences, China);
  - CO2 emission induced by household consumption in China

8.2 National Accounts and Their Application – 14:00-15:30h

Session organizer: JIEMIN GUO (OECD, Paris)

Chair: CHAKRABORTY, DEBESH (Jadavpur University, India)

- BRIAN C. MOYER (BEA, Washington, DC, USA)
  - Quarterly US Gross Domestic Product by Industry; Methods, Initial Results and Future Plans

- JIEMIN GUO (National Accounts Division, Statistics Directorate, OECD)
  - Quarterly National Accounts Program at the OECD

- PARTHA PRATIM GHOSH (St. Xavier’s College, Kolkata, India); DEBESH CHAKRABORTY (JADAVPUR UNIVERSITY, India); ARPITA DHAR (JADAVPUR UNIVERSITY, KOLKATA)
  - Performance and Prospects of a Developing Economy Analyzed in the Framework of Keynes-Leontief and Klein
Room G2 - FEA 1

Parallel Session

Friday July 17

9.2 Enterprise Input-Output Approach and Environmental Issues – 09:00-10:30h

Session organizer: VITO ALBINO and DEVrim Murat Yazan (Politecnico di Bari, Italy and University of Groningen, The Netherlands)

Chair: VITO ALBINO (Politecnico di Bari, Italy)

- Vito Albino (Politecnico di Bari, Italy), Erik Dietzenbacher (University of Groningen, The Netherlands) and Devrim Murat Yazan (Politecnico di Bari, Italy)
  - Analyzing the Environmental Benefits of Joint Production Chains by the Enterprise Input-Output Approach

- Devrim Murat Yazan (Politecnico di Bari, Italy), Dirk Pieter Van Donk (University of Groningen, The Netherlands), Erik Dietzenbacher (University of Groningen, The Netherlands)
  - Evaluation of the Impact of Coordination Policies on the Performance of Joint Production Chains

- Hitoshi Hayami (Keio University, Japan), Masao Nakamura (University of British Columbia, Vancouver, Canada)
  - Efficiency of Industrial Waste Management and its Path Dependency: An Establishment Linked Input-Output Analysis to the Best Practice Guidance in Japan
**Monday July 13**

1.3 Input-Output Systems from Network Theory I – 11:00–12:30h

**Session organizer:** MARÍA SEMITIEL GARCÍA (University of Murcia, Spain)

**Chair:** SANDRO MONTRESOR (University of Bologna, Italy)

- J. CARLOS LOPES, J. FERREIRA DO AMARAL, JOÃO DIAS, TANYA ARAÚJO (Technical University of Lisbon, Portugal)  
  ‑ Industrial Clustering and Sectoral Growth: a Network Dynamics Approach
- GIUSEPPE VITTUCCI MARZETTI (University of Trento, Italy), Chiara Franco (University of Bologna, Italy) and SANDRO MONTRESOR (University of Bologna, Italy)  
  ‑ On Indirect Trade-Related R&D Spillovers: The Role of International Trade Network

2.3 Input-Output Systems from Network Theory II – 14:00-15:30h

**Session organizer:** MARÍA SEMITIEL GARCÍA (University of Murcia, Spain)

**Chair:** MARÍA SEMITIEL GARCÍA (University of Murcia, Spain)

- MARÍA SEMITIEL GARCÍA, LOURDES MOLERA PERIS and PEDRO NOGUERA MÉNDEZ (University of Murcia, Spain)  
  ‑ The Hierarchical Structure of the Spanish interindustry System
- PEDRO NOGUERA MÉNDEZ, MARÍA LÓPEZ MARTÍNEZ and MARÍA SEMITIEL GARCÍA (University of Murcia, Spain)  
  ‑ Structural Diversity and Economic Development

3.3 Energy Issues I – 16:00-17:30h

**Chair:** XIKANG CHEN (IIOA Member, China)

- XIKANG CHEN (IIOA Member, China)  
  ‑ Study on Indicators of Energy Efficiency in Production
- JOAQUIM J. M. GUILHOTO, GUILHERME DIAS (University of São Paulo, Brazil)  
  ‑ Energy versus Food: How do Countries Differ?
- GERVÁSIO SANTOS, EDUARDO HADDAD, JOAQUIM J.M. GUILHOTO, DENISE IMORI (University of São Paulo, Brazil)  
  ‑ Spatial Interactions between Energy and Energy-Intensive Sectors in the Brazilian Economy: An Interregional Input-Output Analyzes
Tuesday July 14

4.3 Energy Issues II – 09:00-10:30h

Chair: XIULI LIU (Yanshan University, China)

- ANDRÉ AVELINO, JOAQUIM JOSÉ MARTINS GUILHOTO (University of São Paulo)

- ROBERTO GUERRERO COMPEAN, KAREN R. POLENSKE, CIRO BIDERMAN (Massachusetts Institute of Technology, United States)
  - Regional, Economic, and Environmental Implications of Dual Ethanol Technologies in Brazil

- XIULI LIU, SHOUYANG WANG, CUIHONG YANG (Chinese Academy of Sciences, China), GEOFFREY HEWINGS (University of Illinois at Urbana-Champaign)

5.3 Economic Structure & Technical Progress – 14:00-15:30h

Chair: UMED TEMURSHOEV (University of Groningen, The Netherlands)

- PAOLA ANTONELLO (University of L’Aquila, Italy)
  - An application of EM algorithm to analyze and forecast long-run input-output coefficient changes

- ASAKO OKAMURA (Center for Research and Development Strategy, Japan Science and Technology Agency, Japan)
  - Measurement of Innovation in Input-Output Framework

- UMED TEMURSHOEV (University of Groningen, Netherlands)
  - A Generalized Hypothetical Extraction Analysis

- PHILIPE MENDES (FEA – UFJF, Brazil), RIBEIRO, FILIPE (FEA – UFJF, Brazil), FERNANDO SALGUEIRO PEROBELLI (Federal University of Juiz de Fora, Brazil)
  - Structure of Brazilian Interstate Commerce: An Input-Output Approach

6.3 Modeling Issues in Environmental Analysis II – 16:00-17:30h

Chair: ARNOLD TUKKER (TNO, The Netherlands)

- FERNANDO SALGUEIRO PEROBELLI (Federal University of Juiz de Fora, Brazil), MARCELO AARESTRUP ARBEX (University of Windsor)
  - Solow meets Leontief: Economic Growth and Energy Consumption

- ROSITA PRETAROLI, MAURIZIO CIASCHINI, FRANCESCA SEVERINI, CLAUDIO SOCCI (Università di Macerata, Italy)
  - Environmental Tax Reform and Double Dividend Evidence

- ARNOLD TUKKER (TNO, The Netherlands)
  - EXIOPOL: Towards a Global Multiregional Environmentally Extended Input-Output Table
Thursday July 16

7.3 Modeling Energy and Emissions II – 09:00-10:30h

Chair: FERNANDO SALGUEIRO PEROBELLI (Federal University of Juiz de Fora, Brazil)

- MARIA PEMPETZOGLOU (DEMOCRITUS UNIVERSITY OF THRACE, Greece); DIMITRIS HRISTU-Varsakelis (UNIVERSITY OF MACEDONIA); STELLA KARAGIANNI (UNIVERSITY OF MACEDONIA); ATHANASIOS SFETSOS (Environmental Research Laboratory, INT-RP, NCSR Demokritos)
  - Optimizing Production in Greece under GHG Emission Reduction Constraints: A Comparison of Objective Functions

- ALFREDO J MAINAR CAUSAPÉ (University of Zaragoza, Spain); ROSA DUARTE PAC (University of Zaragoza)
  - Consumption Patterns and GHG Emissions: A Computable General Equilibrium Analysis for Spain

8.3 Issues in Input-Output Table Construction – 14:00-15:30h

Chair: CHRISTIAN LAGER (University of Graz, Austria)

- ESTEBAN FERNANDEZ-VAZQUEZ, CARMEN RAMOSCARVAJAL (University of Oviedo, Spain)
  - Combining Regional and National Information for the Estimation of Regional Input-Output Tables

- XUEMEI JIANG (University of Groningen, The Netherlands); ERIK DIETZENBACHER, BART LOS
  - Targeting the Collection of Superior Data for the Estimation of Regional Input-Output Tables

- CHRISTIAN LAGER (University of Graz, Austria)
  - Reflections on Input-Output-Coefficients
Friday July 17

9.3 Input-Output Tables of the BRICS: An Introduction to the National Tables and the Extension to the International Input-Output Model II – 09:00-10:30h

Session organizer: SATOSHI INOMATA (IDE, Japan)

Chair: BO MENG (IDE, Japan)

HIROSHI KUWAMORI, HAJIME SATO (IDE, Japan)
 Features of Input-Output Tables of India

ZHANG YAXIONG (State Information Center, China)
 China’s Input-Output Table: Compilation and its Extension

NORIHIKO YAMANO, DONG GUO (OECD, France)
 Compilation Approach for European Aggregate Input-Output Table

SATOSHI INOMATA (IDE, Japan)
 The Basic Features of the BRICs International Input-Output Table
Monday July 13

1.4 Structural Analysis – 11:00–12:30h

Chair: FEISTEL, PAULO RICARDO (Universidade Federal de Santa Maria, Brazil)

- LIFSCHITZ, EDGARDO (Ministry of Economy and Production, Argentina), WIRKIERMAN, ARIEL LUIS (Università Cattolica del Sacro Cuore di Milano, Italy)

  "Structural Analysis at the National Level by the Configuration of Sectoral Blocks: The cases of Argentina, Chile and Mexico"

- FEISTEL, PAULO RICARDO (Universidade Federal de Santa Maria, Brazil); ALVARO BARRANTES HIDALGO (Universidade Federal de Pernambuco, Brazil)

  "The Comparative Advantages of Trade of the Regions Northeast, Southeast and South of Brazil in the MERCOSUL"

2.4 CGE Modeling – 14:00-15:30h

Chair: MINJUN SHI (Graduate University of Chinese Academy of Sciences, China)

- KALI AKKEMIK (Baskent University, Turkey)

  "General Equilibrium Evaluation of Recent Electricity Market Reforms in Turkey"

- ANDO ASAO (Tohoku University, Japan), MENG BO (CGE Modeling, Japan), QU CHAO (Tohoku University, Japan)

  "Trade Coefficients and the Role of Elasticity in a Spatial CGE Model Based on Armington Assumption"

- NOORADDIN SHARIFY (University of Mazandaran, Iran)

  "An Assessment of Quota in Gasoline Consumption in Iran: an AGE Approach"

- MINJUN SHI, NA LI, YONGNA YUAN, ZHUOYING ZHANG, FEI WANG (Graduate University of Chinese Academy of Sciences, China)

  "Developing a multi-regional CGE model for China based on China Interregional Input-Output Model"

3.4 Emissions and Input-Output Analysis – 16:00-17:30h

Chair: MARTIN, JEAN-CHRISTOPHE (Université Montesquieu, France)

- NIAZ AHMED BHUTTO, NISAR AHMED SIDIQUI (Sukkur Institute of Business Administration, Pakistan), SELIM CAGA-TAY (Economics Department of Akdeniz University, Turkey)

  "The Opportunity Cost of Ratifying Kyoto Protocol: An Input-Output Analysis for Turkey"

- MARIAANGELES CADARSO, NURIA GOMEZ, LUISANTONIO LOPEZ, MARIAANGELES TOBARRA (University of Castilla-La Mancha, Spain)

  "CO₂ Emissions Linked to International Freight Transportation and their Impact on the Emissions Balance"

- MARTIN, JEAN-CHRISTOPHE, PATRICK POINT (Université Montesquieu, France)

  "Greenhouse Gas Emissions Reduction in Aquitaine Region: Constructing Baseline and Least-Cost Scenarios"
Tuesday July 14

4.4 Modeling Issues in Environmental Analysis I – 09:00-10:30h

Chair: MONICA SERRANO (University of Barcelona, Spain)

- GUIDO ERREYGERS (University of Antwerp, Belgium), CHRISTIAN BIDARD (University of Paris Ouest Nanterre La Défense, France)
  - Renewable Resources in a Long-Term Model

- XIN ZHOU (Institute for Global Environmental Strategies, Japan)
  - How Does Trade Adjustment Influence National Inventory of Open Economies? Accounting Embodied Carbon Based on Multi-Region Input-Output Model

- MONICA SERRANO, JORDI ROCA (University of Barcelona, Spain)
  - The analysis of the Relationship Between Household Expenditure Level and Embodied Pollution: A Methodological Note

5.4 Water Issues – 14:00-15:30h

Chair: RYOJI HASEGAWA (Ibaraki University, Japan)

- HIDEO FUKUISHI (Keio University, Japan)
  - Water Use in the Japan Economy in 2000: An Input-Output Approach

- CUIHONG YANG (Chinese Academy of Sciences, China), ERIK DIETZENBACHER (University of Groningen, Netherlands)
  - Outsourcing and China’s Virtual Water Trade Balance

- TANJI KAZUNORI, WATANABE MASATAKA (Keio University, Japan), MINJUN SHI (Graduate University of Chinese Academy of Sciences, China), NOBUHIRO OKAMOTO (Faculty of international relationship DaitoBunka University, Japan)
  - The Economic and Environmental Impact of Investment to Water Treatment Technology with Interregional Input Output Analysis in China

- RYOJI HASEGAWA, MAKOTO TAMURA, YUJI KUWAHARA, HIROMUNE YOKOKI, NOBUO MIMURA (Ibaraki University, Japan)
  - An Input-output Analysis for Economic Losses of Flood Caused by Global Warming - A Case Study of Japan at the River Basin’s Level

6.4 Macroeconomic Analysis: Policy Issues – 16:00-17:30h

Chair: KAKALI MUKHOPADHYAY (McGill University, Canada)

- JIANXI LUO (Massachusetts Institute of Technology, United States)
  - Which Industries to Bail out First in Economic Recession? Ranking Industrial Sectors by the Power-of-Pull

- KAKALI MUKHOPADHYAY, PAUL THOMASSIN, (McGill University, Canada), DEBESH CHAKRABORTY (Jadavpur University, Kolkata, India)
  - Economic Impact of Trade Reforms between India and Latin American Countries

- PARAMITA DASGUPTA (Ananda Chandra College, West Bengal, India); CHAKRABORTY, DEBESH (Jadavpur University, India)
  - Some Further Evidence on the Factor Content of India’s Foreign Trade

- RITISNIGDHA PANIGRAHI, SHRI PRAKASH (BIMTECH, India);
  - Input Output Modeling of impact of Stock Market on Unit Prices of Mutual Funds
Thursday July 16

7.4 RAS: New Perspectives and Challenges – 09:00-10:30h

**Chair:** XU JIAN (Management School, China)

- FERNANDO ESCOBEDO (University of Castilla La Mancha, Spain); JAN OOSTERHAVEN (University of Groningen)
  - Cell-corrected RAS Method (CRAS) as a Regional Input-Output Table Construction Technique
- XU JIAN, TONG RENCHENG (Management School, China);
  - Practical Reliability of RAS Methods: an Empirical Analysis in China

8.4 SAMS III – 14:00-15:30h

**Chair:** QUANRUN CHEN (Academy of Mathematics and Systems Science, Chinese Academy of Sciences, China)

- GAHYEONG HUR, SANGWOO KIM (National Assembly Budget Office, Industrial Program Evaluation Team, Republic of Korea)
  - Regional Social Accounting Matrix in Korea: Implications for interregional balanced growth
- CHANDRIMA SIKDAR (Indian Institute of Foreign Trade, India)
  - India - Sri Lanka Bilateral Trade - A General Equilibrium Approach
- QUANRUN CHEN, CUIHONG YANG (Academy of Mathematics and Systems Science, Chinese Academy of Sciences, China)
  - Partially Closed Input-Output Model with Partially Endogenous Consumption
Friday July 17

9.4 Macroeconomic Analysis: Growth, Taxes and Trade – 09:00-10:30h

Chair: ESTEFANIA RIBEIRO (Federal University of Juiz de Fora, Brazil)

CLAUDIO SOCCI, Rosita Pretaroli, Maurizio Ciaschini (University of Macerata, Italy)
- Balance, Manhattan Norm and Euclidean Distance of Industrial Policies for the US

LIU XINJIAN (Yanshan University, China)
- A Dynamic Input-Output Model with Foreign Trade Impact and its Application to Chinese Economy

ESTEFANIA RIBEIRO, FERNANDO SALGUEIRO PEROBELLI (Federal University of Juiz de Fora, Brazil)
- Foreign Direct Investment Versus Domestic Investment: An Input-Output Approach

SHRI PRAKASH, SHALINI SHARMA, FARAJI KASIDI (Birla Institute of Management Technology, India)
- Input Output Modeling of Impact of Exchange Rate Fluctuations on Indian Economy
Monday July 13

1.5 Demographic-Labor-Consumption Issues – 11:00–12:30h

Chair: JOOST SANTOS (University of Virginia, United States)

- PAULA ALBUQUERQUE; JOAO LOPES (ISEG/CISEP - Technical University of Lisbon, Portugal)
  - Economic Impacts of Aging in Portugal: An Interindustry Approach

- HONGXIA ZHANG (University of China, China)

2.5 SAMS II – 14:00-15:30h

Chair: JOYASHREE ROY (Jadavpur University, India)

- BRUNO DE SOUZA LOPES, DIEGO RODRIGUES (CMEA - FEA / UFJF, Brazil), FERNANDO SALGUEIRO PEROBELLI (Federal University of Juiz de Fora)
  - An Analysis of Income Variation for the Brazilian Economy: An Input-Output Approach

- VP OJHA, BARUN DEB PAL, SANJIB POHIT (National Council of Applied Economic Research), JOYASHREE ROY (Jadavpur University, India)
  - Social Accounting Matrix for India

3.5 Application of Input-Output for the Brazilian Economy – 16:00-17:30h

Chair: RA EDSON DOMINGUES Cedeplar-UFMG, Brazil)

- EDSON DOMINGUES, ALINE SOUZA MAGALHÃES, (Cedeplar-UFMG, Brazil)
  - Regional Inequality and Growth: The Role of Interregional Trade in the Brazilian Economy

- MARCELO E FICHE (Ministério da Fazenda, Brazil), JOÃO R. SANSON (Universidade Federal de Santa Catarina, Brazil)
  - Input-Output Models and a Bias in Tax Incidence

- PEDRO GUILHERME FERREIRA, FERNANDO SALGUEIRO PEROBELLI, ROGERIO MATTOS (Federal University of Juiz de Fora, Brazil)

- RAPHAEL ZYLBERBERG, JOAQUIM J.M. GUILHOTO (University of Sao Paulo, Brazil)
  - Direct Income Transfers and Inequality of Income: An Application of a SAM-Based Model to Brazil
Tuesday July 14

4.5 Rural and Development Issues – 09:00-10:30h
Chair: CRISTELA GOCE DAKILA (De La Salle University, Manila, Philippines)

- FLAVIA BLISKA, JOAQUIM J. M. GUILHOTO, DENISE IMORI, FERNANDA SARTORI, FERNANDO SAKON, CELSO VEGRO (University of São Paulo, Brazil)
  > Employment Generation in the Brazilian Coffee Regions
- ANTOANETA GOLEMANOVA (University of National and World Economy, Bulgaria), MILEN KOLEV (National Statistical Institute, Bulgaria), ALES KUHAR (University of Ljubljana, Slovenia)
  > Policy Scenarios for Development of Rural Areas in Bulgaria
- CRISTELA GOCE DAKILA (De La Salle University, Manila, Philippines), FRANCISCO DAKILA JR (Center for Monetary & Financial Policy, Bangko Sentral ng Pilipinas, Philippines)
  > Spatial Impact of Overseas Filipino Workers’ Remittances on the Philippine Economy

5.5 Energy Issues III – 14:00-15:30h
Chair: YAN XIA (Chinese Academy of Sciences, China)

- PAULO PAIXÃO (CPFL, Brazil)
  > The Utilization of a Supply and Use Model for Prospecting the Electricity Market
- SHALINI SHARMA, REKHA SHARMA (Birla Institute of Management Technology, India)
  > Divergence between Equilibrium And Actual Prices of Electricity in Indian Economy
- YAN XIA, CUIHONG YANG, XIKANG CHEN (Chinese Academy of Sciences, China)
  > Analyze the Determining Factors of China’s Energy Intensity in 1987-2005

6.5 Macroeconomic Input-Output Modeling – 16:00-17:30h
Session organizer: KURT KRATENA (WIFO, Austria)
Chair: F. NEUWAHL (EU Commission, Spain)

- KURT KRATENA (WIFO, Austria) and GERHARD STREICHER (Joanneum Research, Vienna, Austria)
  > Macroeconomic Input-Output Modeling - Structures, Functional Forms and Closure Rules
- F. NEUWAHL, ANDREAS UIHLEIN, AURELIEN GENTY (European Commission, Joint Research Centre, IPTS, Spain)
  > An Econometric Input-Output Model for EU Countries Based on SU Tables: The Production Side
- KURT KRATENA, MICHAEL WUEGER (WIFO Austrian Institute for Economic Studies, Austria) IGNAZIO MONGELLI (European Commission-JRC Institute for Prospective Technological Studies, Spain)
  > An Econometric Input-Output Model for EU Countries Based on SU tables: Private Consumption
Thursday July 16

7.5 Adjustment in Economies: An Input-Output Perspective – 09:00-10:30h

Chair: JOSE MANUEL RUEDACANTUCHE (Joint Research Centre IPTS of the European Commission, Spain)

EVERLAN MONTIBELER (Complutense University Madrid, Spain); BIN JIAN YAN, (Nanjing Agriculture University)

YASUHIDE OKUYAMA (International University of Japan, Japan)

Economic Impacts of Natural Disasters: Development Issues and Empirical Analysis

JOSE MANUEL RUEDACANTUCHE, FREDERIK NEUWAHL, LUIS DELGADO (Joint Research Centre’s IPTS of the European Commission)

The Adjustment Capacity of the European Economy Examined with an Input-Output Based Key Sector Analysis: Towards a Review of the European Single Market

8.5 Macroeconomics: Productivity and Growth – 14:00-15:30h

Chair: MARIAANGELES TOBARRA (University of Castilla-La Mancha, Spain)

HIROSHI IZUMI (Osaka University of Economics, Japan); YANJUAN DAI, (Guangdong University of Foreign Studies, China)
Productivity Growth by Industry in Japan, South Korea and China

GULAY GUNLUK-SENESEN and UMIT SENESEN (Istanbul Universitesi, Turkey)
Decomposition of Labor Demand by employer Sectors and Gender for Turkey

MARIAANGELES TOBARRA (University of Castilla-La Mancha, Spain); NURIA GOMEZ, ANTONIO LOPEZ, LUIS, MARIAANGELES CADARSO (University of Castilla-La Mancha, Spain)
Off-Shoring and Productivity at the Industry Level: Evidence from Spain
Friday July 17

9.5 Impact Analysis and Productive Structure – 09:00-10:30h

Chair: JOAQUIM BENTO DE SOUZA FERREIRA FILHO (University of São Paulo, Brazil)

- MARCELO PEREIRA DA CUNHA, ARNALDO CESAR DA SILVA WALTER (University of Campinas (Unicamp), Brazil), JOAQUIM GUILHOTO (University of São Paulo, Brazil)
  
  \textit{Socio-Economic Impacts on Brazilian Biodiesel Production: A Comparison between Soybean and Castor Beans}

- JOAQUIM BENTO DE SOUZA FERREIRA FILHO (University of São Paulo, Brazil)
  
  \textit{Evaluating the Social Gains Associated with Technological Progress in Brazilian Agriculture}

- PARTHA PRATIM GHOSH (St. Xavier’s College, Kolkata, India); ARPITA DHAR, CHAKRABORTY, DEBESH (JADAVPUR UNIVERSITY, India)
  
  \textit{An Intertemporal Comparison of the Structure of the Sri Lankan Economy from 1986 to 2000}
PARALLEL SESSION

Monday July 13

1.6 SAMS I – 11:00–12:30h

Chair: M YUSOF SAARI (University of Groningen, The Netherlands)

BJARNE MADSEN (Centre for Regional and Tourism Research, Bornholm, Denmark)
- The General Interregional Quantity Model

SUSANA SANTOS (Technical University of Lisbon/ISEG and UECE, Portugal)
- SAM-based modeling for policy and scenario analysis

M YUSOF SAARI, ERIK DIETZENBACHER, BART LOS (University of Groningen, The Netherlands)
- Statistical Bases for Income Representation in a Social Accounting Matrix: Using Household Heads versus Economically Active Households

2.6 Modeling Energy and Emission I – 14:00-15:30h

Chair: PACCA, SÉRGIO A (University of São Paulo, Brazil);

SÉRGIO A. PACCA (University of São Paulo, Brazil); JOAQUIM GUILHOTO (University of São Paulo, Brazil)
- Ecological Footprint Applied to the Brazilian Economic Input-Output Model

RYO ETO, YOHJI UCHIYAMA, KEIICHI OKAJIMA (University of Tsukuba)
- A Scenario Analysis of Energy-Economic in Ibaraki Prefecture in 2030

SHALINI SHARMA (Sharda University, India)
- Power Intensity of Indian Economy: A Study of Sectoral Variation Input-Output Framework

3.6 SimSIP SAM: A Tool to Analyze IOs and SAMs – 16:00-17:30h

JUAN CARLOS PARRA (The World Bank, United States)
- SimSIP SAM: A Tool to Analyze IOs and SAMs
Room G6 - FEA 1

Parallel Session

Tuesday July 14

4.6 Macroeconomic Impacts: Gains from Trade – 09:00-10:30h
Chair: EVERLAN MONTIBELER (Complutense University Madrid, Spain)

JIANSUO PEI, CUIHONG YANG (Chinese Academy of Sciences, China), ERIK DIETZENBACHER (University of Groningen)
→ The Environmental Pains and Economic Gains of Outsourcing to China

LI, SHANTONG, ZHAOYUAN XU (Development Research Center of the State Council, China)
→ Estimation of the China’s Inter-Regional Trade Based on 2002 IO Tables

EVERLAN MONTIBELER (Complutense University Madrid, Spain)

5.6 International Input-Output Comparison – 14:00-15:30h
Chair: HADDAD, EDUARDO (University of Sao Paulo, Brazil)

ROJJECEK, MAREK (Centre for Economic Studies, Czech Republic)
→ The Effects of Export on the Czech Economy: Input-output Approach

SHRI PRAKASH, FARAJI KASIDI, REKHA SHARMA (Birla Institute of Management Technology, India)
→ Economic Effect of Indo-East African Trade: A Study in Input-Output Framework

6.6 Input-Output Analysis and Tourism I – 16:00-17:30h
Session organizer: BART LOS and BERT STEENGE (University of Groningen, The Netherlands)
Chair: GERD AHLERT (GWS/Institute of Economic Structures Research, Germany)

ANNEMIEKE VAN DE STEEG (Statistics Netherlands, The Hague) and ALBERT E. STEENGE (University of Groningen, The Netherlands)
→ Tourism Multipliers for a Small Caribbean Island-State; A Study of Aruba

WILSON A. RABAHY, DÉCIO K. KADOTA, GLAUBER E. O. SANTOS and MOISÉS D. VASSALLO (University of Sao Paulo and Economic Research Institute Foundation FIPE, Brazil)
→ The Brazilian Tourism Satellite Account
Thursday July 16

7.6 The World Input-Output Database (WIOD) Project I – 09:00-10:30h

Session organizer: ERIK DIETZENBACHER and BART LOS (University of Groningen, The Netherlands)

Chair: ROBERT STEHRER (WIIW/Vienna Institute for International Economic Studies)

- ERIK DIETZENBACHER (University of Groningen)
  - Objectives and Structure of the WIOD Project

- BART LOS (University of Groningen)
  - Linking Input-Output Data and Data on International Trade in WIOD

- ROBERT STEHRER (WIIW/Vienna Institute for International Economic Studies), KURT KRATENA (WIFO/Austrian Institute of Economic Research)
  - Modeling Socio-Economic Issues in the WIOD Project

8.6 Multiregional Trade III – 14:00-15:30h

Chair: YAXIONG ZHANG (State Information Center, China)

- ANA DIAS, EMIDIO LOPES (Departamento de Prospectiva e Planeamento e Relações Internacionais, Portugal)
  - A Multisectoral Model for Portugal with a Multiregional Extension

- SEONG HO HAN (KNSO(Korea National Statistical Office), Republic of Korea)
  - Estimation of the Inter-Regional Trade Flows During 2000-2005 in South Korea

- YAXIONG ZHANG (State Information Center, China)
  - Estimating China’s Inter-Provincial Commodity Trade Coefficients
Friday July 17

9.6 Input-Output Analysis and Tourism II – 09:00-10:30h

Session organizer: BART LOS and BERT STEENGE (University of Groningen, The Netherlands)

Chair: MELVILLE SAAYMAN (North-West University, Potchefstroom, South Africa)

BJARNE MADSEN, JIE ZHANG (Centre for Regional and Tourism Research, Bornholm, Denmark), DIMITRI IOANNIDES (Missouri State University, Springfield, USA)

Towards a New Framework for Accounting and Modeling the Regional Impacts of Experiences

CLEMENTE POLO, ELISABETH VALLE (University of the Balearic Islands, Palma de Mallorca, Spain)

Structural Changes in the Balearic Islands

RIAAN ROSSOUW, MELVILLE SAAYMAN (North-West University, Potchefstroom, South Africa)

Incorporating Tourism Satellite Accounts and Applied General Equilibrium Models to Inform Tourism Policy Analysis - The Case of South Africa

NORIHIRO ITSUBO (Mushashi Institute of Technology/Tokyo City University, Japan)

Event LCA – Reduction of Environmental Impacts through Environmental Communication among Stakeholders
Thursday July 16

7.7 Input-Output Tables of the BRICs: An Introduction to the National Tables and the Extension to the International Input-Output Model I – 09:00-10:30h

Session organizer: SATOSHI INOMATA (IDE, Japan)
Chair: BO MENG (IDE, Japan)

Joaquim Guilhoto (USP, Brazil)
- Productive Structure of the Brazilian Economy: Input-Output Analysis

Natalia E. Ustinova (ROSSTAT, Russia)
- Supply and Use Tables and Input-Output Tables for Russia

Masaki Kuboniwa (Hitotsubashi University, Japan)
- Growth and Diversification of the Russian Economy in the light of Input-Output Table