

**ATLANTIC CITY**

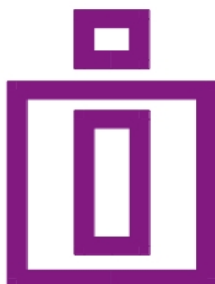


2017 INTERNATIONAL INPUT-OUTPUT CONFERENCE

# **25th IIOA Conference in ATLANTIC CITY, USA**

*CONFERENCE PROGRAM*

19/Jun/2017 - 23/Jun/2017



**International Input-Output Association**

Vienna, AUSTRIA

[www.iioa.org](http://www.iioa.org)

## PROGRAM OVERVIEW

Time	Mon, 19/Jun/2017	Tue, 20/Jun/2017	Wed, 21/Jun/2017	Thu, 22/Jun/2017	Fri, 23/Jun/2017
08:00 - 08:30	Registration Desk Open	Registration Desk Open	Registration Desk Open		
08:30 - 09:00				Registration Desk Open	Registration Desk Open
09:00 - 09:30	ISIOA Session 1	Opening Ceremony	Plenary Session-Keynote Speech 2 on Sustainability (Thomas Wiedmann)	Parallel Session 6	Parallel Session 9
09:30 - 10:00		Plenary Session 1-Keynote Speech on Technology Spillovers and TiVA (Andy Wyckoff)			
10:00 - 10:30			Flash Session B		
10:30 - 11:00	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
11:00 - 11:30	ISIOA Session 2	Parallel Session 1	Parallel Session 4	Parallel Session 7	Flash Session C
11:30 - 12:00					Plenary Session-Keynote Speech 3 on National Accounting (Ivo Havinga)
12:00 - 12:30					
12:30 - 13:00	Lunch	Lunch	Lunch	Lunch	Lunch
13:00 - 13:30					
13:30 - 14:00			JECS Editorial Meeting (invitation only)		
14:00 - 14:30	ISIOA Session 3	Flash Session A	Parallel Session 5	Parallel Session 8	Parallel Session 10
14:30 - 15:00		Parallel Session 2			
15:00 - 15:30					
15:30 - 16:00	Coffee Break				
16:00 - 16:30	ISIOA Session 4	Coffee Break	Coffee Break	Coffee Break	Coffee Break
16:30 - 17:00		Parallel Session 3	Harbor Cruise	IIOA General Assembly	Flash Session Award Presentation and Closing Ceremony
17:00 - 17:30					
17:30 - 18:00	Publishing Input-Output Analysis and Techniques: An Editorial Roundtable Conversation				
18:00 - 18:30		Economic System Research-Editorial Board Meeting (invitation only)	Prize Presentations (Except for Flash Sessions) and Announcement of the 2018 IIOA Conference		
18:30 - 19:00					
19:00 - 19:30	Welcome Reception			Young Researchers' Night Out	Conference Dinner
19:30 - 20:00					
20:00 - 20:30					
20:30 - 21:00					
21:00 - 21:30					

## SESSION PLAN

**Mon, 19/Jun/2017**

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08:00 - 09:00 *Registration Desk Open*

Location: **Atlantic Ballroom 1**

Registration for the conference starts at 08:00 hours. The desk remains open throughout the conference day.

09:00 - 10:30 *ISIOA Session 1*

ISIOA Lectures are organized as follows for the entire day:

Module 1. Computable General Equilibrium Models: An Introduction.

Lecturer: Alejandro M. Cardenete.

Location: Atlantic A

Module 2. Analysing Trade in Value Added Through Global Value Chains: Sectoral and Macro Indicators, Methodologies and Diagnostics.

Lecturer: Hubert Escaith.

Location: Atlantic B

Module 3. Entropy Econometrics Applied to Input-output.

Lecturer: Esteban Fernandez.

Location: Atlantic C

Module 4. Working With OECD's ICIO and Indicators: A Hands-on Approach Using "R". Lecturers: Joaquim Guilhoto and Norihiko Yamano.

Location: Atlantic D

10:30 - 11:00 *Coffee Break*

Location: **Atlantic Ballroom Pre-Function Area**

11:00 - 12:30 *ISIOA Session 2*

12:30 - 14:00 *Lunch*

Location: **Capriccio**

14:00 - 15:30 *ISIOA Session 3*

15:30 - 16:00 *Coffee Break*

Location: **Atlantic Ballroom Pre-Function Area**

16:00 - 17:30 *ISIOA Session 4*

17:30 - 19:00 *Publishing Input-Output Analysis and Techniques: An Editorial Roundtable Conversation*

Location: **Horizon Ballroom**

Erik Dietzenbacher, Faye Duchin, Shigemi Kagawa, Manfred Lenzen, Bart Los, Bert Steenge, Tommy Wiedmann: Monitored by Michael Lahr

19:00 - 21:00 *Welcome Reception*  
Location: **Landshark**

## **Tue, 20/Jun/2017**

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08:00 - 09:00 *Registration Desk Open*  
Location: **Atlantic Ballroom 1**

09:00 - 09:30 *Opening Ceremony*  
Location: **Horizon Ballroom**  
- Erik DIETZENBACHER, President, International Input-Output Association, University of Groningen  
- Michael L. LAHR, Rutgers University  
- Cuihong YANG, Academy of Mathematics and Systems Science, CAS

09:30 - 10:30 *Plenary Session 1-Keynote Speech on Technology Spillovers and TiVA (Andy Wyckoff)*  
Location: **Horizon Ballroom**  
Andy Wyckoff  
Director, Directorate for Science, Technology and Innovation, OECD  
Title: 25 years of Input-Output Analysis at the OECD: From Technology Spillovers to TiVA and Beyond  
(Chair: Geoffrey J.D. HEWINGS, University of Illinois Urbana-Champaign)

10:30 - 11:00 *Coffee Break*  
Location: **Atlantic Ballroom Pre-Function Area**

### **11:00 - 12:30 Parallel Session 1**

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● Location: **Atlantic Ballroom 2**

Topic: **(1.1) Energy Input-Output Modeling (1)**

Chair: Fernando Salgueiro Perobelli

1. Distributional Effects of the EU Climate and Energy Package in Poland  
by *Bartłomiej Rokicki, Kenia B. DE SOUZA, Luiz Carlos de Santana Ribeiro*
2. Self-consumption: An input-output analysis  
by *Raquel Langarita, Rosa DUARTE, Julio Sánchez Chóliz*
3. Understanding the energy metabolism of World economies through the joint use of Production- and Consumption-based energy accountings  
by *Matteo Vincenzo Rocco, Rafael Joaquín Forcada*

● Location: **Atlantic Ballroom 3**

Topic: **(1.2) Special Session: Input-output approach and impacts of economic policy in the emerging markets (1)**

Chair: Alexander O. BARANOV

1. The evolution of China's economic structure—An Analysis Based on the 1987 through 2012 IO Tables  
by *Shantong LI, Jianwu HE*

2. Policy-oriented Input-Output calculations for decisions of the government and business in Russia (experience of IEF RAS).  
by *Alexander Shirov*
3. Inter-Sector Inter-Region Model for Russian Economy: Methodology and Application  
by *Nikita I. SUSLOV, Vladimir BUZULUTSKOV*

● Location: **Atlantic Ballroom 4**

Topic: **(1.3) MRIO Modelling**

Chair: Pablo RUIZ NAPOLES

1. Multiregional Input-Output Analysis of NAFTA  
by *Pablo RUIZ NAPOLES, Normand Asuad Sanen, Martín Carlos PUCHET ANYUL, Eduardo MORENO REYES*
2. Spatially Explicit Footprints for Biodiversity, Carbon, and Air Pollution  
by *Daniel Moran, Keiichiro Kanemoto*
3. Trade performance in domestic value chains with emissions perspective  
by *Yan XIA, Min Wei*

● Location: **Atlantic Ballroom A**

Topic: **(1.4) CGE Modelling (1)**

Chair: Manuel A. CARDENETE

1. Biofuels versus electricity: Impact of their increased production on household welfare, sectoral and overall output  
by *Emmanuel Bizimungu, George Danso*
2. Examining the cost-effective investment for the 6th industrialization for Taiwan - An approach of dynamic CGE model  
by *Michael C. HUANG*
3. Economic Impact of the New Mediterranean Rail Corridor in Andalusia: A Dynamic CGE Approach  
by *Roberto LOPEZ, Manuel A. CARDENETE*

● Location: **Atlantic Ballroom B**

Topic: **(1.5) Global Value Chain and Vertical Specialization (1)**

Chair: Sebastien MIROUDOT

1. VERTICAL SPECIALIZATION IN INDIAN MANUFACTURING AND SERVICE SECTORS  
by *Priyanka Tariyal*
2. Tracing value-added and double counting in sales of foreign affiliates and domestic-owned companies  
by *Sebastien MIROUDOT, Ming Ye*

● Location: **Atlantic Ballroom C**

Topic: **(1.6) Environmental IO Modelling (1)**

Chair: Randall Jackson

1. Does consistency with national accounts matter for calculating carbon footprints with global multi-regional input-output tables? A structural decomposition approach for comparing results for Belgium  
by *Bernhard MICHEL, Caroline Hambÿe, Bart HERTVELDT*
2. Detecting what drives a social issue: Forward structural path analysis with an integrated multiregional input-output framework  
by *Yasushi KONDO, Norihiro Itsubo, Shigemi KAGAWA*

● Location: **Atlantic Ballroom D**

Topic: **(1.7) Sustainable production and consumption**

Chair: Shigemi KAGAWA

1. Effects of the CAFE standards on CO2 emissions in Japan  
by *Mitsuki KANEKO, Shigemi KAGAWA*
2. The distribution of labor and wages embodied in European consumption  
by *Moana Simas, Richard WOOD*
3. Effects of Economic Replacement Incentives for Consumers on Life-cycle CO2 Emissions  
by *Daisuke NISHIJIMA, Shigemi KAGAWA, Masahiro Oguchi*

12:30 - 14:00 *Lunch*

Location: **Ocean Ballroom**

14:00 - 14:30 *Flash Session A*

Location: **Ocean Ballroom**

**14:30 - 16:00 Parallel Session 2**

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● Location: **Atlantic Ballroom 2**

Topic: **(2.1) Special Session: Stock-flow consistent input-output modelling**

Chair: Umed TEMURSHOEV

1. Understanding and Forecasting Macroeconomic Dynamics of Argentina: An Input-Output Stock-Flow Consistent model  
by *Sebastian Valdecantos, Francisco Valentini*
2. The Myth of Benefit of Trade: the case of Mexico's manufacturing sector  
by *Luis Villanueva, XIAO JIANG*
3. A post-Keynesian multi-commodity and multi-industry growth model  
by *Umed TEMURSHOEV*

● Location: **Atlantic Ballroom 3**

Topic: **(2.2) Environmental IO Modelling (2)**

Chair: Kuishuang Feng

1. The economic impact of healthy eating as part of Scottish climate change policy  
by *David Comerford, Grant Jordan Allan*
2. The impact of current economic structure on the environment in Vietnam and China  
by *Thao Phuong Nguyen*
3. Carbon inequality of in the U.S.  
by *Kuishuang Feng, Klaus HUBACEK*

● Location: **Atlantic Ballroom 4**

Topic: **(2.3) Structural Change and Dynamics (1)**

Chair: Rosa DUARTE

1. Latin America's route to development: A vertically integrated analysis of the Chilean case  
by *Davide Villani, Gabriel Brondino*
2. An Analysis on the Evolution of Industrial Restructuring and the Factors Affecting the Quality of Development in China's Yangtze River Delta Region  
by *Jin FAN, Cheng LUO, Xiaohui YUAN*
3. R&D expenditure and economic growth: how has changed globalization the current outlook?  
by *Sofía JIMÉNEZ, Rosa DUARTE, Julio Sánchez Chóliz*

● Location: **Atlantic Ballroom A**

Topic: **(2.4) CGE Modelling and Trade Agreements**

Chair: Fernando Salgueiro Perobelli

1. Supply Chains and Tariff Rates: The Impact of Reversing NAFTA  
by *Terrie Walmsley*
2. South Asian Free Trade Agreement (SAFTA) – Options for Pakistan  
by *Olan Naz*
3. The Effects of an Openness to Trade for Brazilian Meat in NATURA  
by *Fernando Salgueiro Perobelli, Ramon Goulart Cunha, Vinicius A. VALE, Lucas Mendonça Vargas*

● Location: **Atlantic Ballroom B**

Topic: **(2.5) Special Session: Modelling Sustainable Development: Revisiting Dynamic Input-Output Analysis**

Chair: Nathaniel Paul Springer

1. A Dynamic Input-Output Model for Evaluating Strategies about Global Development and Sustainability  
by *Faye DUCHIN*
2. Variable Resource Stock Availability and Reserve Capacity Over Time: Toward a Dynamic Rectangular Choice-of-Technologies Model  
by *Nathaniel Paul Springer*
3. Metal Footprint in the context of Investment-led Growth: A Global Time-series Analysis  
by *Xinzhu ZHENG, Ranran Wang, Richard WOOD, Edgar Hertwich*

● Location: **Atlantic Ballroom C**

Topic: **(2.6) Input-output accounts and statistics (1)**

Chair: Norihiko YAMANO

1. The sectoral structure of an emergent economy in light of I-O analysis  
by *Emilian Dobrescu, Viorel Nicolae Gaftea*
2. An ICIO split according to domestic and foreign ownership: the OECD TiVA-MNE project  
by *Sebastien MIROUDOT, Charles Cadestin, Koen De Backer, Davide RIGO, Ming Ye*
3. Studying the structures of income distribution and production with Social Accounting and Input-Output Matrices  
by *Susana Santos*

● Location: **Atlantic Ballroom D**

Topic: **(2.7) Input-output analysis for policy making (1)**

Chair: Jonathan Stenning

1. Evaluating the Impact of A Carbon Tax in Portugal Considering Alternative Assumptions for Price Elasticity of Demand  
by *Ana Maria Dias*
2. The Right Tax? Macroeconomic and Industry Impacts of Proposed U.S. Tax Reform  
by *Douglas S. MEADE*
3. Assessing the localised socioeconomic impact of central government policy  
by *Jonathan Stenning, Michael May-Gillings, Hector B. POLLITT*

16:00 - 16:30 *Coffee Break*

Location: **Atlantic Ballroom Pre-Function Area**

**16:30 - 18:30 Parallel Session 3**

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● Location: **Atlantic Ballroom 2**

Topic: **(3.1) Methodological Aspects of IO Analysis (1)**

Chair: Devrim Murat YAZAN

1. The law of evolution in time and space and the application of demand pull model of urban resident's consumption structure in China  
by *siru ren, Xu Jian, Haoyang Zhao*
2. Productivity in the Brazilian Industrial and Service Sectors, 2000-2009: A Shift- share Analysis  
by *Luiza Nassif Pires*
3. Anatomy of China's carbon dioxide emission: the role of induced and autonomous consumptions  
by *Jing LI, Chen LIN*
4. Efficient Operations of Industrial Symbiosis: An Enterprise Input-Output Model Integrated by Agent-Based Simulation  
by *Devrim Murat YAZAN, Luca Fraccascia*

● Location: **Atlantic Ballroom 3**

Topic: **(3.2) Impact Analysis: Multipliers (1)**

Chair: Anushree SINHA

1. Sectoral Impact on the Reduction of 40% of Foreign Direct Investment from the United States to Mexico  
by *LILLIAN MARLEN CENTENO CRUZ, Luz Dary Beltrán Jaimes*
2. An interregional impact analysis of the EU Cohesion Policy in the EU 28  
by *Giovanni MANDRAS*
3. Investment in Health Sectors: Economic Impact using Input Output Analysis  
by *Anushree SINHA, Mihir Milind Wadekar*

● Location: **Atlantic Ballroom 4**

Topic: **(3.3) International Trade (1)**

Chair: Hubert ESCAITH

1. Tracing Shifts in Dependencies on Trade: The Rise of Services  
by *Timon I. BOHN*
2. China's involving in Global Value Chains: Trends and Drivers of Productivity and Activity Upgrading  
by *Kailan TIAN, Quanrun CHEN, Erik DIETZENBACHER, Cuihong YANG*
3. Determinants of country positioning in global value chains  
by *Kirill MURADOV*
4. Pro-competitive effects of globalisation on prices, productivity and markups in the Euro Area  
by *Raphael Seung-Ho Lee, Mathilde PAK*

- Location: **Atlantic Ballroom A**

Topic: **(3.4) Special Session: Understanding the Most Recent Evolution of Global Value Chains: New Approaches Based on New Databases**

Chair: Bo MENG

1. Development of analytical frameworks for global value chains: the role of input-output analyses  
by *Satoshi INOMATA*
2. Smile Curves in Global Value Chains: Creation and Distribution of Value-added and Job opportunities  
by *Bo MENG, Shang-jin WEI, Ming Ye*
3. Global Value Chains and Production Fragmentation: A Feedback Loop Analysis Based on ICIO 2016 Database  
by *Joaquim J.M. GUILHOTO, Norihiko YAMANO*

- Location: **Atlantic Ballroom B**

Topic: **(3.5) Designing of Energy Policies with I-O**

Chair: Rosa DUARTE

1. Indirect emissions and carbon mitigation: Structural analysis of IPCC sectors  
by *Edgar Hertwich, Richard WOOD*
2. Evaluating the socioeconomic and environmental implications of the Spanish Renewable Electricity Promotion Policy in the decade 2000-2012 using Multiregional Input-Output Analysis  
by *Cristina DE LA RUA, Yolanda LECHON*
3. Border Carbon Adjustment: An empirical investigation into the politics of climate change  
by *Radhika PIPLANI*
4. GHG emissions-reduction targets applied to Spain: A dynamic approach for the climate change road to Paris agreement  
by *Cristina Sarasa, Rosa DUARTE, Julio Sánchez Chóliz*

- Location: **Atlantic Ballroom C**

Topic: **(3.6) Environmental IO modeling (3)**

Chair: Erik DIETZENBACHER

1. Testing the PHH in a Resource-cursed Country: The Case of Iran. An Input-Output Analysis.  
by *Nasim Fathi*
2. Analyzing Carbonaceous Aerosol Emissions in Asia using Endogenous Structural Path Analysis  
by *Fumiya NAGASHIMA*
3. The Path of Chinese Regional Emission Reduction Target in 2030 – A Research Based on network-DEA and input-output technique  
by *Ye Yao*

4. Towards a more effective climate policy on international trade  
by Erik DIETZENBACHER, Iñaki Arto, Ignacio CAZCARRO

• Location: **Atlantic Ballroom D**

Topic: **(3.7) Techniques for Identifying Important I-O Coefficients and Sectors**

Chair: Hongxia ZHANG

1. Identifying emission hotspots for technology transfers using an extended version of the inverse important coefficient methodology  
by Kirsten S. WIEBE
2. Reframing IO Analysis on Science, Technology & Innovation Policy: New Business Platforms generated from Intangible Capital Flow caused by R&D  
by Masahiro KURODA, YASUSHI HARA, Michael C. HUANG
3. The Effects of Technology and Division of Labor on Value Added Rates: an Analysis Based on Input-Output Model  
by Hongxia ZHANG

18:30 - 19:30 *Economic System Research-Editorial Board Meeting (invitation only)*

Location: **Atlantic Ballroom 1**

## **Wed, 21/Jun/2017**

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08:00 - 09:00 *Registration Desk Open*

Location: **Atlantic Ballroom 1**

09:00 - 10:00 *Plenary Session-Keynote Speech 2 on Sustainability (Thomas Wiedmann)*

Location: **Horizon Ballroom**

Thomas Wiedmann

Associate Professor, School of Civil and Environmental Engineering,  
The University of New South Wales, Australia

Title: Environmental and Social Footprints of International Trade  
(Chair, Manfred Lenzen, University of Sydney)

10:00 - 10:30 *Flash Session B*

Location: **Horizon Ballroom**

10:30 - 11:00 *Coffee Break*

Location: **Atlantic Ballroom Pre-Function Area**

## **11:00 - 12:30 Parallel Session 4**

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● Location: **Atlantic Ballroom 2**

Topic: **(4.1) Consumption-based accounts**

Chair: Umed TEMURSHOEV

1. Emissions embodied in international trade: an application to the French case  
by *Gaëlle LE TREUT*
2. Carbon footprint of human settlements in Spain  
by *Luis A. LOPEZ, Guadalupe Arce, Maria A. Tobarra-Gomez, Jorge E. Zafrilla*
3. Distance-based shared responsibility  
by *Umed TEMURSHOEV, Ronald E MILLER*

● Location: **Atlantic Ballroom 3**

Topic: **(4.2) Input-Output analysis of disasters**

Chair: Johannes TÖBBEN

1. The economic impact of the 2016 Italian earthquakes with a Bi-regional IEMM approach  
by *Andrea K. EL MELIGI, Luca Piermattei, Rosita PRETAROLI, Francesca SEVERINI, Claudio SOCCI*
2. Assessment of ripple effect and spatial heterogeneity of total losses in the capital of China after a great catastrophe shocks  
by *Zhengtao Zhang, Ning Li*
3. Wider economic impacts of heavy flooding in Germany: A non-linear programming approach  
by *Johannes TÖBBEN, Jan OOSTERHAVEN*

● Location: **Atlantic Ballroom A**

Topic: **(4.4) Special Session: Building a Circular Economy: Assessing the Sustainability of New Technologies for Material Recovery and Waste Cycling**

Chair: Nathaniel Paul Springer

1. Products from Recovered Wastes as a Technological Option: The Waste Input-Output Model with a Choice among Technologies  
by *Stephen Harris Levine, Faye DUCHIN*
2. On the economic analysis of wastewater generation and treatment: the Mexican case  
by *Carlos A Lopez-Morales*
3. Distinguishing Co-products and Waste using the Rectangular Choice-of-Technologies Model: The Role of Prices  
by *Nathaniel Paul Springer, Jennifer Schmitt*

- Location: **Atlantic Ballroom B**  
Topic: **(4.5) CGE Modelling (2)**  
Chair: Euijune KIM

1. Distributional consequences of fiscal consolidation: The case of Spain  
by *Pilar CAMPOY-MUÑOZ, Manuel A. CARDENETE, Francisco Javier De Miguel-Velez, Jesus Pérez-Mayo*
2. Analyzing Effects of Mega Transportation Projects on Regional Economies of Northeast Asian Countries  
by *Euijune KIM, Seung-Woon Moon*
3. Structural Change, Income Distribution and Growth: An application of China's DPN GEM  
by *Jiansuo PEI, Cuihong YANG*

- Location: **Atlantic Ballroom C**  
Topic: **(4.6) Special Session: Input-output Approach and Impacts of Economic Policy in the Emerging Markets (2)**  
Chair: Shantong LI

1. Dynamic Input-Output Model of Russian Economy with Human Capital Block.  
by *Alexander O. BARANOV, Victor Pavlov, Yuliya M. Slepikova*
2. Input-Output approach as an instrument for estimation of potential national ecological targets  
by *Andrey Kolpakov, Alexander Shirov*

- Location: **Atlantic Ballroom D**  
Topic: **(4.7) Region/country-specific analysis (1)**  
Chair: Satoshi INOMATA

1. Identification of productive chains in the subregions inside of Chiapas using the input output regional matrix under the bottom-up approach.  
by *Krista Zafra, José Manuel Sánchez Gamboa, Karina GARDUÑO, Normand Asuad Sanen, Cristina VAZQUEZ*
2. Motivating Factors of Investors to Involve in Supply Chain Management Practices: A study on Ready Made Garment Industry in Bangladesh.  
by *Salma Akther, Al Mamun*
3. Chinese Oil Import under China Pakistan Economic Corridor (CPEC) - A Global Commutable General Equilibrium approach  
by *Muhammad Iftikhar ul Hasnain, Muhammad Aamir KHAN*

12:30 - 13:30 *Lunch*

Location: **Ocean Ballroom**

13:30 - 14:00 *JECS Editorial Meeting (invitation only)*

Location: **Atlantic Ballroom 1**

**14:00 - 16:00 Parallel Session 5**● Location: **Atlantic Ballroom 2**Topic: **(5.1) Special Session: Disaster Impact Analysis**Chair: Yasuhide OKUYAMA

1. Assessing the Effectiveness of Aid to Disaster-Prone Households using Local Economy-Wide Impact Evaluation Approach  
by *Krista Danielle Sy Yu, Luis F Razon, Kathleen Bernardo Aviso, Michael Baliwag Promentilla, Raymond Roca Tan*
2. The Challenge of Estimating the Impact of Disasters: many approaches, many limitations and a compromise  
by *Andre Fernandes Tomon Avelino, Geoffrey J.D. HEWINGS*
3. Revisiting the Sequential Interindustry Model (SIM): Linkages and Inventory  
by *Yasuhide OKUYAMA*

● Location: **Atlantic Ballroom 3**Topic: **(5.2) Input-output analysis for policy making (2)**Chair: Anushree SINHA

1. The impact of unemployment: Crisis escalation in the Greek Economy  
by *Maria Markaki, Athena Belegri-Roboli, George Kritikides, Theocharis Marinos*
2. Unintended social consequences of EU financial framework 2014-2020  
by *Fabio MONSALVE, Jorge E. Zafrilla, Maria Angeles Cadarso, Ángela García-Alaminos*
3. Making a Village Input-Output Table (VIOT) from Household Survey A case study of Phonxay Village of Ngoi District, Luang Prabang Province, Lao PDR.  
by *HONGSAKHONE XAY SOULIXAY, Masaru Ichihashi*
4. Final demand impact on agriculture output: A macro multiplier analysis on Nigerian economy  
by *Irfan AHMED*

● Location: **Atlantic Ballroom 4**Topic: **(5.3) International Trade (2)**Chair: Xuemei Jiang

1. Is outsourcing decreasing gains in greenhouse gas efficiency in developed nations? A decomposition of energy and labor embodied in trade between 1995 and 2015  
by *Moana Simas, Edgar G. Hertwich, Richard WOOD*
2. Role of World Structural Change in CO2 Emissions  
by *Kayoko SHIRONITTA, Sangwon SUH, Shunsuke OKAMOTO, Shigemi KAGAWA*
3. Effects on prices of an increase of the tariffs in Mexico through a Social Accounting Matrix.  
by *Luz Dary Beltrán Jaimes, Manuel A. CARDENETE, María C. Delgado*

4. The Impact of Geographic Shifts in International Sourcing on Global CO2 emissions  
by *Xuemei Jiang*

- Location: **Atlantic Ballroom A**

Topic: **(5.4) Industrial Ecology using IO Tables**

Chair: Keisuke NANSAI

1. Cooperation Decisions in Industrial Symbiotic Relations  
by *Devrim Murat YAZAN, Vahid Yazdanpanah, Luca Fraccascia*
2. A Maximum Entropy Approach to the Hybridization of MRIOs for the Estimation of Biodiversity Footprints  
by *Johannes TÖBBEN, Francesca Verones, Daniel Moran, Richard WOOD, Konstantin STADLER, Martin BRUCKNER*
3. Hybrid LCA with MRIO for supply risk comparison among low-carbon energy technologies  
by *Keisuke NANSAI, Sangwon SUH, Kenichi NAKAJIMA, Shigemi KAGAWA, Yasushi KONDO, Susumu Tohno*

- Location: **Atlantic Ballroom C**

Topic: **(5.5) Input-Output Accounts and statistics (2)**

Chair: Geoffrey J.D. HEWINGS

1. Harmonisation of the Australian Energy Hybrid Accounts with the Input-Output Tables  
by *Khanh Vy Hoang*
2. How to evaluate the reliability of the Regional Input-Output Data? A case for China  
by *Haoyang Zhao, Xu Jian, Jing He*
3. Estimating Input-Output Tables from Supply-Use Tables: An Evaluation of the Impacts of Alternative Methods  
by *Geoffrey J.D. HEWINGS, Joerg Beutel, Ayele Ulfata Gelan*

- Location: **Atlantic Ballroom D**

Topic: **(5.6) Special Session: Shifting Scales of Macro-econometric Modelling to State-Level Economic, Energy and Environmental Policy Analysis for India(E3-India)**

Chair: Kakali MUKHOPADHYAY

1. The Current State of Regional Economic Impact and Policy Modeling in the U.S. and Beyond  
by *Nicolas Rockler*
2. Introduction to the E3-India model  
by *Jonathan Stenning, Hector B. POLLITT*
3. Double dividend strategy for clean development: Allocating consumption based environmental responsibility of coal production amongst Indian states  
by *Surabhi R. JOSHI*

4. Two paths to emission reductions: Energy efficiency and Renewables  
by *Saket Sarraf, maithili iyer*

16:00 - 16:30 *Coffee Break*

Location: **Atlantic Ballroom Pre-Function Area**

16:30 - 19:30 *Harbor Cruise*

Location: **Gardeners Basin (Back Bay)**

Catch a jitney from the lobby. Two cruise times 5 PM and 6:30 PM.

19:30 - 21:30 *Young Researchers' Night Out*

Location: **Landshark**

## Thu, 22/Jun/2017

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08:30 - 09:00 *Registration Desk Open*

Location: **Atlantic Ballroom 1**

### 09:00 - 10:30 Parallel Session 6

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- Location: **Atlantic Ballroom 2**

Topic: **(6.1) Special Session: Income distribution in IO models: Miyazawa revisited (1)**

Chair: Albert E. STEENGE

1. Prices and income distributions in Miyazawa models  
by *Mònica SERRANO, Albert E. STEENGE*
2. Exploring youth labor perspectives in Europe using demo-economic models  
by *Andre CARRASCAL*
3. The role of technological change & labor productivity in the functional income distribution: a complexity approach to the cases of Brazil and Mexico.  
by *Eduardo MORENO REYES, Kaio Vital, Martín Carlos PUCHET ANYUL, Manuel García Álvarez*

- Location: **Atlantic Ballroom 3**

Topic: **(6.2) Environmental IO modelling (4)**

Chair: Manfred LENZEN

1. Structural Analysis of the Top Five Most GHG Emitting Economies  
by *Pablo RUIZ NAPOLES, CASTAÑEDA LEÓN JAVIER, Eduardo MORENO REYES*
2. Endogenising capital in MRIO models: implications for consumption-based carbon footprints  
by *Carl-Johan H. SÖDERSTEN, Richard WOOD, Edgar Hertwich*
3. Reduction Potential Analysis of Life-cycle CO2 emissions through the Market Expansion of Eco-friendly Vehicles  
by *Shogo EGUCHI, Shunichi Hienuki*



- Location: **Atlantic Ballroom 4**

Topic: **(6.3) Energy Input-Output Modeling (2)**

Chair: Kakali MUKHOPADHYAY

1. Can a combination of efficiency initiatives give us “good” rebound effects?  
by *Cristina Sarasa*
2. The oil-slick trade: An analysis on embodied crude oil in China's trade and consumption during 1995-2011  
by *Wencheng ZHANG, Rui WEI*
3. Technology Transfer and productivity growth- evidence from Indian manufacturing industries  
by *Chandrima SIKDAR, Kakali MUKHOPADHYAY*

- Location: **Atlantic Ballroom A**

Topic: **(6.4) CGE Modelling (3)**

Chair: Dina N ELSHAHAWANY

1. What are the ecosystem consequences of resource footprints?  
by *Francesca Verones, Daniel Moran, Konstantin STADLER, Keiichiro Kanemoto, Richard WOOD*
2. Regional effect of energy reform in Mexico: a computable general equilibrium model for Tabasco  
by *Aída B. Armenta, Diane Flaherty, Bill Gibson, Jorge Salazar-Carrillo*
3. Accessibility, Transportation Cost and Regional Growth: A Case Study for Egypt  
by *Dina N ELSHAHAWANY*

- Location: **Atlantic Ballroom B**

Topic: **(6.5) Methodological aspects of IO analysis (2)**

Chair: Sangwon SUH

1. Estimating nationwide impacts using an input-output model with fuzzy parameters  
by *Ganna Makarkina, Michael L LAHR*
2. Economic interaction estimation for the construction of a regional input-output matrix from a bottom-up approach: a review of the appropriate inferential framework for regional data.  
by *Cristina VAZQUEZ, Normand E ASUAD, Karina GARDUÑO, Krista Zafra*
3. Modeling changes in technology-mixes due to climate policy  
by *Arne KÄTELHÖN, André BARDOW, Sangwon SUH*

- Location: **Atlantic Ballroom C**

Topic: **(6.6) Structural change and dynamics (2)**

Chair: Chen LIN

1. Growing green: The role of the Emissions Trading System on the dynamics of CO2 efficiency in Europe  
by *Alberto Franco Solís, Andre CARRASCAL, Andre Fernandes Tomon Avelino*

2. Subsystem analysis of the deindustrialization trends and their drivers in European countries  
by *Martin Lábaj, Erika Stracová*
3. One sows and another reaps: the impact of heavy industry strategy on the technology selection after the economic reform of China  
by *Chen LIN*

● Location: **Atlantic Ballroom D**

Topic: **(6.7) Region/country-specific analysis (2)**

Chair: Joaquim J.M. GUILHOTO

1. From convergence to divergence? : The experience of the European Union  
by *Lucía BOLEA, Rosa DUARTE, Julio Sánchez Chóliz*
2. How Structural Change in CEE Countries Influenced Demand for Labor  
by *Martin HUDCOVSKY, Eduard Nezinsky*

10:30 - 11:00 *Coffee Break*

Location: **Atlantic Ballroom Pre-Function Area**

**11:00 - 12:30 Parallel Session 7**

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● Location: **Atlantic Ballroom 2**

Topic: **(7.1) Mathematical Treatments of Input-Output Relationships**

Chair: Albert E. STEENGE

1. A New Test of Economy-wide Factor Mobility  
by *Kathryn Gail Marshall, Eric Fisher*
2. On the Notion of Randomness in the Study Input-Output relations and the Maximum Entropy Principle: an application to the assessment of Brody's Conjecture  
by *Daniel TORRES*
3. Regularities in Prices of Production and the Concentration of Compositions of Capitals  
by *Daniel TORRES*

● Location: **Atlantic Ballroom 3**

Topic: **(7.2) Employment Analysis**

Chair: Jiemin GUO

1. Are High Output Linked Sectors Employment Generating? An Analysis for India under Input-Output Framework  
by *Tulika Bhattacharya*
2. Labour digital skills among Industries: a Macro Multipliers analysis  
by *Elisa Foresi, Maurizio CIASCHINI, Rosita PRETAROLI*

3. Mega Sports Events in Rio De Janeiro: An Analysis On The Impact On Employment  
by *Everlam E. MONTIBELER*

- Location: **Atlantic Ballroom 4**

Topic: **(7.3) Regional input-output modeling (1)**

Chair: Kuishuang Feng

1. Regional SAM of Northeastern Mexico: Economic impacts of exports variations.  
by *Alejandro DAVILA FLORES*
2. A proposal for the construction of a input-output regional model from bottom to top by hybrid Methods  
by *Normand E ASUAD*
3. An analysis of the regional economic effects of carbon tax in China: based on the production-based and consumption-based emissions  
by *Kun Zhang, Qiao-Mei Liang*

- Location: **Atlantic Ballroom A**

Topic: **(7.4) Special Session: Virtual Laboratories: Wrapping up Project Réunion and the Industrial Ecology Lab development**

Chair: Thomas O. WIEDMANN

1. Implementing Hybrid LCA Routines in the Industrial Ecology Virtual Laboratory  
by *Man Yu, Thomas O. WIEDMANN*
2. A new sub-national multi-region input-output database for Indonesia  
by *Futu FATURAY, Manfred LENZEN, Kunta W.D. NUGRAHA*
3. A sub-national multi-regional input-output laboratory for policy making in China  
by *Yafei WANG*
4. Development of Japanese flexible and highly detailed multi-regional input-output modeling framework  
by *Takako WAKIYAMA, Futu FATURAY, Arne GESCHKE, Manfred LENZEN*

- Location: **Atlantic Ballroom B**

Topic: **(7.5) Input-output analysis for policy making (3)**

Chair: Geoffrey J.D. HEWINGS

1. Identifying High Resource Consumption Supply Chain Points: A Case Study in Automobile Production  
by *Douglas S Thomas, Anand Mani Kandaswamy, Joshua Kneifel*
2. Smart, sustainable and inclusive growth: a case study  
by *Margarita I. BARRERA LOZANO, Geoffrey J.D. HEWINGS, Alfredo J. MAINAR CAUSAPÉ, Julián Pérez-García*
3. Paving a Path toward Sustainable Energy Security: Examining a Global Transition toward Ethanol Production.  
by *Romulo N. Ely, Nasim Fathi, Michael L LAHR*

- Location: **Atlantic Ballroom C**

Topic: **(7.6) Special Session: Disaggregation techniques for IO modelling**

Chair: Esteban FERNANDEZ-VAZQUEZ

1. Now Hiring: Seasonal Labor Requirements through a Quarterly I-O model  
by *Andre CARRASCAL, Andre Fernandes Tomon Avelino, Alberto Franco Solís*
2. Revisiting the Temporal Leontief Inverse: new insights on regional structural change  
by *Andre Fernandes Tomon Avelino, Andre CARRASCAL, Alberto Franco Solís*
3. Sectoral disaggregation of input-output tables by entropy econometrics: is small (and medium) that beautiful?  
by *Esteban FERNANDEZ-VAZQUEZ*

- Location: **Atlantic Ballroom D**

Topic: **(7.7) Region/country-specific analysis (3)**

Chair: Ross James Hallren

1. Changing Sectoral Patterns in China: a Structuralist Dynamic CGE Model  
by *Massimiliano LA MARCA, XIAO JIANG*
2. A value chain analysis of Port Wine production  
by *Joao Pedro FERREIRA, Eduardo Barata, Luís Cruz, Pedro N. RAMOS*
3. North American Sub-National Model of Import Competition and Jobs  
by *Ross James Hallren*

12:30 - 14:00 *Lunch*

Location: **Ocean Ballroom**

### **14:00 - 16:00 Parallel Session 8**

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- Location: **Atlantic Ballroom 2**

Topic: **(8.1) Productivity and efficiency analysis**

Chair: Hongxia ZHANG

1. The Effects of Productivity Improvement on Global CO2 Emissions  
by *Hiroataka TAKAYABU, Shigemi KAGAWA, Shunsuke MANAGI, Hidemichi FUJII*
2. How does China's Labor Productivity Change as GVC Participation Deepening?  
by *Yishu KONG*
3. Labour Productivity in Vertically Integrated Sectors: An Empirical Study for the Case of Brazil  
by *José Bruno Fevereiro, FABIO NEVES PERACIO DE FREITAS*
4. Productivity Change in an Input-output Economy: Colombia 2005 and 2011  
by *Enrique GILLES, Javier Deaza*

● Location: **Atlantic Ballroom 3**

Topic: **(8.2) Methodological Aspects of Input-Output Analysis (3)**

Chair: Douglas S. MEADE

1. Analyzing the CO2 Clusters in the Global Supply Chain Network  
by *Shohei TOKITO*
2. Effects of Sector Aggregation on Production Functions: A Study on Substitutions between Production Factors  
by *Gilang Hardadi, Stefan Pauliuk, Yasushi KONDO, Richard WOOD*
3. Improving IOT updates with Bayesian methodology  
by *Oleg LUGOVOY, Andrey POLBIN, Vladimir POTASHNIKOV*

● Location: **Atlantic Ballroom 4**

Topic: **(8.3) Environmental IO Modelling (5)**

Chair: Xiuli LIU

1. The Water-Energy-Food Nexus of Bioenergy Consumption and Production in Brazil at State Level  
by *Raul Munoz Castillo, Kuishuang Feng, Joaquim J.M. GUILHOTO, Klaus HUBACEK, Laixiang Sun*
2. Provincial CO2 Emission Transfers of China  
by *Chen Pan, Jianwu HE, Shantong LI*
3. What Are Impacts of Waste Treatment Option on Green Products' Prices by Sector?  
by *Xiuli LIU*

● Location: **Atlantic Ballroom 7**

Topic: **(8.4) International Trade (3)**

Chair: Fernando Salgueiro Perobelli

1. Spillover Effects of Germany's Final Demand on Southern Europe  
by *Oliver Picek*
2. Agricultural Productivity, International Trade and Food Supply: Some Implications from a Greater Productivity in Brazil  
by *Vinicius A. VALE, Fernando Salgueiro Perobelli*
3. Transatlantic Trade and Investment Partnership (TTIP) and Pakistan- A Global Commutable General Equilibrium Approach  
by *Alishba Tahir, Muhammad Aamir KHAN*

- Location: **Atlantic Ballroom A**

Topic: **(8.5) Impact Analysis: Multipliers (2)**

Chair: Romulo N. Ely

1. Modeling and Assessing Income, Labor and CO2 Emissions Multipliers from Different Biorefinery Technological Routes in Brazil.  
by *Romulo N. Ely*
2. Finance-Economy Linkage in China During the Global Financial Crisis: An Input-Output Approach  
by *Kai Zhu*
3. Multisectorial Analysis and Structural Change of The Mexican Economic for 2008-2012  
by *Luz Dary Beltrán Jaimes, María C. Delgado*
4. Brazilian Monetary Policy Evaluation using Flow of Funds Analysis  
by *Erika BURKOWSKI, Jiyoung KIM, Kazusuke TSUJIMURA, Masako TSUJIMURA*

- Location: **Atlantic Ballroom B**

Topic: **(8.6) Special Session: Consumption-based accounts for global cities: data, methods and analysis**

Chair: Anne OWEN

1. Expanding a Global MRIO for City Footprint Analysis  
by *Thomas O. WIEDMANN, Manfred LENZEN, Anne OWEN, Guangwu CHEN, Johannes TÖBBEN, Yafei WANG, Futu FATURAY, Harry C. WILTING*
2. Global City-level Household Demand: Data, Derivation and Deviation  
by *Anne OWEN, John Barrett, Guangwu CHEN, Thomas O. WIEDMANN*
3. Suburban Carbon Footprints of a Global City: The Case of Sydney  
by *Guangwu CHEN, Lei Shi, Thomas O. WIEDMANN*
4. An Approach for Estimating the Carbon Footprints of Cities  
by *Daniel Moran*

- Location: **Atlantic Ballroom C**

Topic: **(8.7) Special Session: The Current State & Future plans of Global MRIO databases (1)**

Chair: Kirsten S. WIEBE

1. The Global MRIO Lab - final outcomes from Project Réunion  
by *Manfred LENZEN, Arne GESCHKE, Muhammad Daaniyall ABD RAHMAN, Yanyan XIAO, Rachel C. REYES, Erik DIETZENBACHER, Jacob FRY, Satoshi INOMATA, Keiichiro Kanemoto, Bart LOS, Daniel Moran, Hagen Schulte in den Baeumen, Arnold Tukker, Terrie Walmsley, Thomas O. WIEDMANN, Richard WOOD, Norihiko YAMANO*

2. The new EXIOLab – compiling and updating EXIOBASE V.2 in a virtual laboratory  
by Rachel C. REYES, Arne GESCHKE, Arjan de Koning, Richard WOOD, Tatyana Bulavskaya, Konstantin STADLER, Hagen Schulte in den Baeumen, Arnold Tukker
3. The 2016 Release of the World Input-Output Database  
by Bart LOS
4. Construction of a Time Series of NUTS2 Regional Input-Output Tables for the EU Embedded in Global Input-Output Tables  
by Bart LOS, Mark Thissen, Maureen Lankhuizen

● Location: **Atlantic Ballroom D**

Topic: **(8.8) Global Value Chain and Vertical Specialization (2)**

Chair: Stefan Pahl

1. Measures of Participation in Global Value Chains and Recent Global Business Cycle  
by Xinding YU, Zhi Wang, Shang-jin WEI, Kunfu ZHU
2. Relative Advantage Production Position in Global Value Chain and its Applications  
by Xiang Gao
3. International Fragmentation of Production and Insertion of Brazil in Global Value Chains  
by Inácio Fernandes de Araújo Jr, Fernando Salgueiro Perobelli, Weslem Rodrigues Faria
4. Vertical Specialization and Vertical De-specialization: New Long-run Evidence from Developing Countries  
by Stefan Pahl

16:00 - 16:30 *Coffee Break*

Location: **Atlantic Ballroom Pre-Function Area**

16:30 - 18:00 *IIOA General Assembly*

Location: **Horizon Ballroom**

18:00 - 19:30 *Prize Presentations (Except for Flash Sessions) and Announcement of the 2018 IIOA Conference*

Location: **Horizon Ballroom**

19:30 - 21:30 *Conference Dinner*

Location: **Ocean Ballroom**

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## **Fri, 23/Jun/2017**

08:30 - 09:00 *Registration Desk Open*

Location: **Atlantic Ballroom 1**

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### **09:00 - 10:30 Parallel Session 9**

- Location: **Atlantic Ballroom 2**

Topic: **(9.1) Special Session: Income Distribution in IO Models: Miyazawa Revisited (2)**

Chair: Andre Carrascal

1. Endogenizing Prices in Extended IO Models including Natural Resources  
by *Albert E. STEENGE, Andre Carrascal, Mònica SERRANO*
2. Building Bridges: Conciliating Consumer Surveys and IO Tables with Minimal Information  
by *Esteban FERNANDEZ-VAZQUEZ, Mònica SERRANO*
3. Economy-wide Impacts of Income Inequality: Some Initial Explorations  
by *Geoffrey J.D. HEWINGS, Kijin KIM*

- Location: **Atlantic Ballroom 4**

Topic: **(9.2) Dynamic IO Modeling and Analyses of Capital Formation**

Chair: Bart LOS

1. Material Requirements and Emission Footprints of Low-carbon Technology Diffusion - Combining a Dynamic MRIO Approach with Elements from System Dynamics Modelling  
by *Kirsten S. WIEBE*
2. Measuring the Impact And Recovery Pattern of Flood Using Dynamic Input Output Inoperability Model (DIIM): Pakistan a Case in Point  
by *Muhammad Abdullah Khalid, Yousaf ALI*

- Location: **Atlantic Ballroom A**

Topic: **(9.3) Energy Input-Output Modeling (3)**

Chair: Raul Munoz Castillo

1. Assessment of Oil price shock on Chinese Economy: Macro Multiplier Approach  
by *Atif Maqbool Khan, Maurizio CIASCHINI, Rosita PRETAROLI, Francesca SEVERINI, Claudio SOCCI*
2. The Impact of the Development of Unconventional Gas and Oil in Argentina: A Multi-Regional Input-Output Model  
by *Carlos Adrian Romero, Leonardo Javier MASTRONARDI, Juan Pablo Vila Martínez*
3. Ecological Network Analysis of Sectoral Energy Flows in the EU  
by *Florian Dierickx*

- Location: **Atlantic Ballroom B**

Topic: **(9.4) Special Session: From USA national Supply, Use and Input-Output compilation to European standards**

Chair: Pedro MARTINS FERREIRA

1. Converting US Supply and Use Tables into NACE / CPA  
by *Pille DEFENSE-PALJOJARV, Pedro MARTINS FERREIRA*



2. Estimating Time-series SUTs for the United States  
by *Jiemin GUO, Thomas F Howells*
3. Estimating Balanced Detailed SUT Using Benchmark SUT  
by *Pedro MARTINS FERREIRA*

● Location: **Atlantic Ballroom C**

Topic: **(9.5) Input-output Analysis for Policy Making (4)**

Chair: Shih-mo LIN

1. Analysis on Economic Effects of Korean Procurement Policy for SMEs Using SMEs' Input-Output Table  
by *Youngho LEE, jaejin Kim, Jinmyon LEE*
2. An Input-Output Analysis on the Demand-Supply Structure of Textile-Clothing Industry of Bangladesh & Asian Competitors  
by *Kazuo Inaba, Md Masum*
3. Value Added Trade and Resource Curse Thesis  
by *Shih-mo LIN, Kuei-Feng Chang, Jin-Xu Lin*

● Location: **Atlantic Ballroom D**

Topic: **(9.6) Environmental IO Modelling (6)**

Chair: Yan XIA

1. Land Use Change and Electricity Models in a Multi-regional Hybrid Input Output Framework  
by *Stefano MERCIAI, Jannick Schmidt*
2. The Emissions Trading Scheme Design under the Renewable Energy Sources Policy in China  
by *Jie Wu*
3. The Cost of Compliance to the Paris Agreement and its Distribution: An Input-Output Analysis of the Canadian Economy  
by *Louis-Robert Beaulieu-Guay, PAUL J. THOMASSIN, Kakali MUKHOPADHYAY*

10:30 - 11:00 *Coffee Break*

Location: **Atlantic Ballroom Pre-Function Area**

11:00 - 11:30 *Flash Session C*

Location: **Ocean Ballroom**

11:30 - 12:30 *Plenary Session-Keynote Speech 3 on National Accounting (Ivo Havinga)*

Location: **Ocean Ballroom**

Ivo Havinga

Assistant Director, Economic Statistics at the United Nations Statistics Division/Department of Economic and Social Affairs (UNSD/DESA)

Title: Accounting for Global Value Chains: Extended System of National Accounts and Integrated Business Statistics

(Chair: Jiemin Guo, US BEA)

12:30 - 14:00 *Lunch*

Location: **Ocean Ballroom**

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**14:00 - 16:00 Parallel Session 10**

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● Location: **Atlantic Ballroom 2**

Topic: **(10.1) Emerging developing countries**

Chair: Surabhi R. JOSHI

1. Inertia in the Evolution of Carbon Emission of China  
by *Chen LIN, Jing LI*
2. What is the Potential of Natural Resource based Industrialization in Latin America? An Input-Output Analysis of the Extractive Sectors  
by *Beatriz Georgina Calzada Olvera*
3. Employment and GHG Emission Effects of Grid Connected Solar PV Deployment in India: A Multiregional Input Output (MRIO) based Analysis  
by *Surabhi R. JOSHI, Pritee Sharma*

● Location: **Atlantic Ballroom 3**

Topic: **(10.2) Special Session: The Current State & Future plans of Global MRIO databases (2)**

Chair: Kirsten S. WIEBE

1. OECD Inter-Country Input-Output Database 2016 edition: A Firm Heterogeneity Extended and National Accounts benchmarked approach  
by *Norihiko YAMANO*
2. The Asia Pacific Economic Cooperation Trade in Value Added Project  
by *Jiemin GUO, William M Powers, Erich H STRASSNER*
3. The South American Input-output Table : Key Assumptions and Methodological Considerations  
by *Sebastian Castresana*
4. The EU Inter-country Supply, Use and Input-Output Tables (FIGARO Project): recent progress  
by *Pedro MARTINS FERREIRA, Isabelle REMOND-TIEDREZ, José M. RUEDA-CANTUCHE*

● Location: **Atlantic Ballroom 4**

Topic: **(10.3) Input-output analysis for policy making (5)**

Chair: Mònica SERRANO

1. Green Growth in Zambia: SUT and Employment Projection Model for Zambia  
by *Massimiliano LA MARCA, Marek Harsdorff, XIAO JIANG*
2. Country-specific Initiatives to Reduce Global Warming and other Environmental Impacts  
by *Stefano MERCIAI*

3. Carbon footprint mitigation of Japanese households for achieving the Paris Agreement under the demographic and income scenarios  
by *Yosuke SHIGETOMI, Keisuke NANSAI, Shigemi KAGAWA, Susumu Tohno*

● Location: **Atlantic Ballroom A**

Topic: **(10.4) Environmental IO modeling and CO2 Emission**

Chair: Sangwon SUH

1. Where to Buy Your Imports and the Potential for Reducing CO2 Emissions  
by *Bingqian YAN, Erik DIETZENBACHER, Bart LOS*
2. Analyzing Life-Cycle CO2 Reduction Potentials of Motor Vehicle Inspection Policy  
by *Yuya NAKAMOTO, Shigemi KAGAWA*
3. Allocating Carbon Responsibilities in the Global Value Chains: A value-added Capturer Responsibility Principle  
by *Rui WEI, Wencheng ZHANG*
4. Implications of Emerging Protectionism of the U.S. on Climate Change  
by *Sangwon SUH, Bernhard MICHEL, Rutger HOEKSTRA*

● Location: **Atlantic Ballroom B**

Topic: **(10.5) Methodological Aspects of IO Analysis (4)**

Chair: Oleg LUGOVOY

1. Cost and Benefits of Deep Decarbonization in Russia: a Thought Experiment  
by *Oleg LUGOVOY, John Alan Laitner, Andrey POLBIN, Vladimir POTASHNIKOV*
2. Comparison of Mathematical Methods for SUT Construction Using WIOD Database  
by *Dmitri Piontkovski, Sergey Kuznetsov, Denis Sokolov, Olga Starchikova*

● Location: **Atlantic Ballroom C**

Topic: **(10.6) Structural Decomposition Analysis**

Chair: Michael L LAHR

1. Analyzing the Changes in China's Final-demand-driven Environmental Emissions with an Input-output based Structural Decomposition Analysis  
by *Qiao-Mei Liang, Li-Jing Liu*
2. Who Works for Whom in South Korea: An MRIO Structural Shift-Share Decomposition Analysis, 2003-2013  
by *Hyunjoo Jang, Erik DIETZENBACHER, Michael L LAHR*
3. Decomposition of Wage Inequalities in the World Economy: an Input-output Approach  
by *Martin Lábaj, Paula Puskarova*

● Location: **Atlantic Ballroom D**

Topic: **(10.7) Regional input-output modeling (2)**

Chair: Kakali MUKHOPADHYAY

1. Evaluating the Impact of Tourism in Salta, Argentina: a Regional Input output and CGE analysis  
by *Federico Haslop, Leonardo Javier MASTRONARDI, Carlos Adrian Romero, JUAN PABLO TARELLI*
2. Degree of Dependence on Imports of the Automotive Cluster and the Economic Effects on Manufacturing in the Northeastern Region of Mexico: A Bottom-up Methodological and Analytical Approach  
by *Marcos N. MAYA, José Manuel Sánchez Gamboa, Normand Asuad Sanen*
3. Methodological Proposal for the Estimation of Regional Technical Coefficients for the Construction of Regional Input Output Matrix, with a Bottom-up Approach.  
by *Karina GARDUÑO, Normand E ASUAD, Roberto Ramirez Hernandez, Cristina VAZQUEZ*
4. Factoring Inter-state Trade in Regional Input-Output Tables of States of India  
by *Bhanumati P, Kakali MUKHOPADHYAY*

16:00 - 16:30 *Coffee Break*

Location: **Atlantic Ballroom Pre-Function Area**

16:30 - 17:30 *Flash Session Award Presentation and Closing Ceremony*

Location: **Horizon Ballroom**

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