



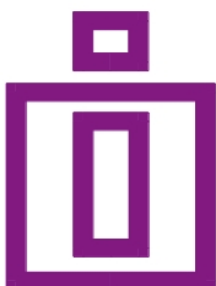
**26th** INTERNATIONAL  
**INPUT-OUTPUT**  
CONFERENCE  
JUNE 2018, BRAZIL, JUIZ DE FORA

**25 - 29 JUNE 2018**

## **26th IIOA Conference in JUIZ DE FORA, Brazil**

*CONFERENCE PROGRAM*

25/Jun/2018 - 29/Jun/2018



**International Input-Output Association**  
Vienna, AUSTRIA  
[www.iioa.org](http://www.iioa.org)

## PROGRAM OVERVIEW

Time	Mon, 25/Jun/2018	Tue, 26/Jun/2018	Wed, 27/Jun/2018	Thu, 28/Jun/2018	Fri, 29/Jun/2018
08:00 - 08:30	Registration Desk Open	Registration Desk Open	Registration Desk Open	Registration Desk Open	Registration Desk Open
08:30 - 09:00					
09:00 - 09:30	ISIOA Sessions 1	Opening Ceremony	Parallel Sessions 4	Parallel Session Feedback Partners 1	IIOA General Assembly
09:30 - 10:00		Building bridges between compilers and users of official statistics: the input-output tables in Brazil			
10:00 - 10:30					
10:30 - 11:00	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
11:00 - 11:30	ISIOA Sessions 2	Parallel Sessions 1	Parallel Sessions 5	Parallel Session Feedback Partners 2	Parallel Sessions 8
11:30 - 12:00					
12:00 - 12:30					
12:30 - 13:00	Lunch	Lunch	Lunch	Lunch	Lunch & closing ceremony
13:00 - 13:30					
13:30 - 14:00					
14:00 - 14:30	ISIOA Sessions 3	Parallel Sessions 2	Flash Session	Decent Living emissions pathways: Using Input-Output to quantify human well-being	
14:30 - 15:00			World Cup Party		
15:00 - 15:30				Coffee Break	
15:30 - 16:00					
16:00 - 16:30	ISIOA Sessions 4	Parallel Sessions 3			
16:30 - 17:00					
17:00 - 17:30					
17:30 - 18:00	Writing a publishable paper: No guarantees!	Economic Systems Research (ESR) Editorial Board Meeting (invitation only)			
18:00 - 18:30					
18:30 - 19:00	IO Buddies				
19:00 - 19:30					
19:30 - 20:00	Welcome Reception	Young Researchers Night		Conference Dinner	
20:00 - 20:30					
20:30 - 21:00					
21:00 - 21:30					

## SESSION PLAN

**Mon, 25/Jun/2018**

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

Location: **Lobby**

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

Module 1 - Working with OECD's ICIO 2018

Module 2 - Flow of Funds (FF) and Financial Social Accounting Matrices (FSAM)

Module 3 - An Introduction to Building Interindustry Macroeconomic Models Using Interdyme

Module 4 - Introduction and applications of hybrid IO-models to analyze greenhouse gas emissions

Module 5 - The How and Why of Subnational Multiregional Input-Output Accounting

10:30 - 11:00 *Coffee Break*

Location: **Lobby**

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

Module 1 - Working with OECD's ICIO 2018

Module 2 - Flow of Funds (FF) and Financial Social Accounting Matrices (FSAM)

Module 3 - An Introduction to Building Interindustry Macroeconomic Models Using Interdyme

Module 4 - Introduction and applications of hybrid IO-models to analyze greenhouse gas emissions

Module 5 - The How and Why of Subnational Multiregional Input-Output Accounting

12:30 - 14:00 *Lunch*

Location: **Hotel Restaurant**

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

Module 1 - Working with OECD's ICIO 2018

Module 2 - Flow of Funds (FF) and Financial Social Accounting Matrices (FSAM)

Module 3 - An Introduction to Building Interindustry Macroeconomic Models Using Interdyme

Module 4 - Introduction and applications of hybrid IO-models to analyze greenhouse gas emissions

Module 5 - The How and Why of Subnational Multiregional Input-Output Accounting

15:30 - 16:00 *Coffee Break*

Location: **Lobby**

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

Module 1 - Working with OECD's ICIO 2018

Module 2 - Flow of Funds (FF) and Financial Social Accounting Matrices (FSAM)

Module 3 - An Introduction to Building Interindustry Macroeconomic Models Using Interdyme

Module 4 - Introduction and applications of hybrid IO-models to analyze greenhouse gas emissions

Module 5 - The How and Why of Subnational Multiregional Input-Output Accounting

17:30 - 19:00 *Writing a publishable paper: No guarantees!*

Location: **Room 1**

by Mike Lahr

19:00 - 19:30 *IO Buddies*

Location: **Room 1**

We quickly meet after the talk by Mike Lahr "Writing a publishable paper: No guarantees!" and then

go together to the Welcome Reception.

19:30 - 21:30 *Welcome Reception*  
Location: **Lobby**

## **Tue, 26/Jun/2018**

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

09:00 - 09:30 *Opening Ceremony*  
Location: **AUDITORIUM**

09:30 - 10:30 *Building bridges between compilers and users of official statistics: the input-output tables in Brazil*  
Location: **AUDITORIUM**  
by Carmem Aparecida Feijo (Fluminense Federal University) and Roberto Luis Olinto Ramos (IBGE Brazilian Institute of Geography and Statistics)

10:30 - 11:00 *Coffee Break*  
Location: **Lobby**

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

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- Location: **Room 1**

Topic: **Sustainable Development Goals**

Chair: Jorge Esteban Gomez-Paredes

1. Tracking the Sustainable Development Goals with Input-Output Analysis: A commentary and example  
by *Jorge Esteban Gomez-Paredes, Arunima MALIK*
2. A new frontier in environmental input-output analysis: Corporate Sustainability/SDG Assessment  
by *Rutger HOEKSTRA*
3. Sustainable consumption and population dynamics in Brazil  
by *Kenia B. DE SOUZA, Edson Paulo Domingues, Aline Souza Magalhães, Flaviane Souza Santiago, DEBORA FREIRE*

- Location: **Room 2**

Topic: **Databases for Multisectoral Analysis of the Brazilian Economy**

Chair: Fabio Neves Peracio de Freitas

1. Recent Estimates of the Gross Fixed Capital Formation Matrix for the Brazilian Economy  
by *Fabio Neves Peracio de Freitas, Thiago de Holanda Lima Miguez*
2. The Compilation of an official Gross Fixed Capital Formation Matrix for the Brazilian Economy: some methodological aspects  
by *Fabio Neves Peracio de Freitas, KATIA NAMIR MACHADO BARROS*

3. The Input-Output Matrices of the Brazilian System of National Accounts: methodology and sources of information  
by *Fabio Neves Peracio de Freitas, Cristiano de Almeida Martins*

● Location: **Room 3**

Topic: **Network and other analysis**

Chair: Erik DIETZENBACHER

1. AN INTER-REGIONAL NETWORK PERSPECTIVE TO EVALUATE THE BRAZILIAN ECONOMY  
by *Luiz Carlos de Santana Ribeiro, José Garcia Vivas Miranda, EDER Area Leão PEREIRA, Hernane Borges de Barros Pereira, Fernando Salgueiro Perobelli*
2. The network of inter-industry flows in a SAM framework  
by *Susana Santos, Tanya Araújo*
3. QDR methodology: understanding bilateral trade flows in the European Union  
by *José M. RUEDA-CANTUCHE, Pedro MARTINS FERREIRA, Isabelle REMOND-TIEDREZ*

● Location: **Room 4**

Topic: **Disaster Analysis**

Chair: Johannes TÖBBEN

1. Using Virtual Laboratories for disaster analysis - A case study of Taiwan  
by *Futu FATURAY, Ya-yen SUN, Arunima MALIK, Arne GESCHKE, Manfred LENZEN*
2. Economic costs estimation of natural disasters in Mexico. Impact of Hurricane Alex in Nuevo León, 2010  
by *David Mendoza Tinoco, Alba Verónica Méndez Delgado, ALFONSO MERCADO, Dabo Guan*
3. An Economic Analysis of Salmonella Detection in Fresh Produce, Poultry, and Eggs Using Whole Genome Sequencing Technology in Canada  
by *Sonali Jain, Kakali MUKHOPADHYAY, PAUL J. THOMASSIN*

● Location: **Room 5**

Topic: **Drivers of energy consumption**

Chair: Michael L. LAHR

1. Energy and environmental studies: when to use which method of decomposition?  
by *Paul de Boer*
2. Energy policy and economic growth in Brazil  
by *Marcela Gimenes Bera Oshita, Ricardo Luis Lopes*
3. An Input-Output Analysis: What Would a Low-Carbon Economy for Brazil Mean?  
by *Florent John Mc Isaac*

● Location: **Room 6**

Topic: **CGE & Agriculture and food**

Chair: Tobias Heinrich Kronenberg

1. Impacts of a Reduction in Water Availability for Agriculture in Brazil  
by *Jorge Henrique Norões Viana, Márcia Guedes Alcoforado de Moraes, Ignacio Tavares Araujo Jr*
2. Impact of Soaring Food Prices and the Pakistan Economy- A CGE Approach  
by *Maheen Nazim, Muhammad Aamir KHAN*
3. CAPITAL INCREASE IN BRAZILIAN AGRICULTURE SECTOR: A VISION BASED ON COMPUTABLE GENERAL EQUILIBRIUM MODEL  
by *Guilherme Asai, Carlos Alberto Piacenti*

12:30 - 14:00 *Lunch*

Location: **Hotel Restaurant**

**14:00 - 16:00 Parallel Sessions 2**

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● Location: **Room 1**

Topic: **Sustainable production and consumption**

Chair: Cuihong YANG

1. The use of water and the interdependence of regional economies: the case of Brazilian Hydrographic Basins  
by *Jaqueline Coelho Visentin, Joaquim J.M. GUILHOTO*
2. Lifestyle changes and enhancing energy efficiency in China to contribute to global emission reductions  
by *Bingqian YAN, Erik DIETZENBACHER, Bart LOS*
3. Evaluating Income-Specific Carbon Footprints of Household Consumption for Assessing Carbon Tax Policies: A Case Study of Germany  
by *Gilang Hardadi, Alexander Buchholz, Stefan Pauliuk*

● Location: **Room 2**

Topic: **Management of Globalisation in the National Accounts and Implications for Input-Output Tables and Analyses**

Chair: Peter Roermose JENSEN

1. Profiling Multinational Corporations in Australia and the Impacts on the Australian National Accounts  
by *Khanh Vy Hoang*
2. BEA's International Collaborations on Measuring Global Value Chains  
by *Jiemin GUO, Thomas F Howells, Erich H STRASSNER*
3. Making the circle square: treatment of goods sent abroad for processing in the construction of the European Union's Inter-Country Supply, Use and Input-Output tables  
by *José M. RUEDA-CANTUCHE, AGUSTIN VELAZQUEZ-AFONSO, Paola Rocchi, Isabelle REMOND-TIEDREZ*

4. Compilation of extended Supply and Use Tables in Denmark and possible applications in input-output analyses  
by *Peter Roermose JENSEN*

● Location: **Room 3**

Topic: **Satellite accounts**

Chair: Viktoras Kulionis

1. THE IMPACT IN THE PRODUCTION CHAIN OF THE WOOD INDUSTRY OF THE AMAZON STATE: AN ANALYSIS OF INPUT-OUTPUT  
by *Elane Conceição de Oliveira*
2. Tourism and Sustainable Regional Development: Measuring the Leakages of Accommodation Industry in Japan  
by *Oscar Tiku, Tetsuo Shimizu*
3. QUANTIFYING THE MARINE ECONOMY IN BRAZIL: THE BRAZILIAN MARINE INPUT-OUTPUT MATRIX  
by *Andréa Bento Carvalho, Gustavo Moraes*
4. Using machine learning to estimate energy and CO2 extension vectors for WIOD 2016 database  
by *Viktoras Kulionis*

● Location: **Room 4**

Topic: **Investment and capital formation**

Chair: Evgenia Shumilkina

1. Modeling Economic Impact of IFC Infrastructure Projects  
by *Evgenia Shumilkina, Shoghik Hovhannisyan*
2. Research and development and productive structure: assessing the economic effects of the public financing on Brazilian economy  
by *Rosa Livia Gonçalves Montenegro, Admir Antonio Betarelli Junior, Eduardo Gonçalves*
3. A supply-use approach to capital endogenisation  
by *Carl-Johan H. SÖDERSTEN, Manfred LENZEN*
4. Economic impact assessment of alternative investment scenarios for pension funds in Mexico  
by *LILLIAN MARLEN CENTENO CRUZ, Pilar CAMPOY-MUÑOZ*

● Location: **Room 5**

Topic: **Land-use change and agriculture**

Chair: Tobias Heinrich Kronenberg

1. An Extended Input-Output Table for Organic Farming  
by *Tobias Heinrich Kronenberg*

2. Economic Effects of Climate Change in Pakistan by 2050: Role of Agriculture Trade  
by *Alishba Tahir, Muhammad Aamir KHAN*
3. Climate change impacts on agriculture using improved multi-region input-output framework  
by *Maksym G. Chepeliev, Angel H. AGUIAR*
4. Food, feed and fuel: Assessing and comparing global environmental impacts of different vegetable oils  
by *Johannes TÖBBEN, Kirsten S. WIEBE, Francesca Verones, Daniel Moran, Richard WOOD*

● Location: **Room 6**

Topic: **CGE & Trade**

Chair: Kakali MUKHOPADHYAY

1. LATIN AMERICA AND CHINA: Multilateralism or dependency? An approach of Computable General Equilibrium for selected countries  
by *Dameres Lopes Afonso, Suzana Quinet de Andrade Bastos, Fernando Salgueiro Perobelli*
2. EFFECTS OF TRADE BARRIERS ON BRAZILIAN SOYBEAN AND MEAT: The cases of China, EU and US embargoes  
by *ADRIANO MARCOS RODRIGUES FIGUEIREDO, Mayra Batista Bitencourt Fagundes, Leonardo Francisco Figueiredo Neto*
3. MANUFACTURED GOODS, MEATS AND GRAINS: ALTERNATIVES TO A BILATERAL AGREEMENT BETWEEN MERCOSUR AND CHINA  
by *ADRIANO MARCOS RODRIGUES FIGUEIREDO, Cláudio Eurico Seibert Fernandes da Silva, Mayra Batista Bitencourt Fagundes, Leonardo Francisco Figueiredo Neto*
4. Analysis of Trade Facilitation policies on customs clearance time  
by *Habtamu Shiferaw Amogne*

16:00 - 16:30 *Coffee Break*

Location: **Lobby**

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

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● Location: **Room 1**

Topic: **Policy Analysis with Interindustry Models**

Chair: Douglas S. MEADE

1. Health Care and the US Economy in the 21st Century  
by *Douglas S. MEADE*
2. Assessment of the potential of nuclear energy in reducing CO2 emissions using multisectoral macroeconomic model - the case of Poland  
by *Mariusz Plich*



3. EXCHANGE RATE AND TRADE ELASTICITIES: A MULTISECTORAL AND MULTICOUNTRY ANALYSIS

by *Rossella Bardazzi, Leonardo Ghezzi*

4. How wage sensitive is the German labour market? A sensitivity analysis using the German input-output model INFORGE

by *Anke M. MOENNIG, Marc Ingo Wolter*

● Location: **Room 2**

Topic: **Implications of GVCs**

Chair: Paramita DASGUPTA

1. The methodology research of constructing APECIOTs

by *Jianqin YUAN, Norihiko YAMANO, Yaxiong ZHANG*

2. Measuring the Generalized Global Industry Relocation - Based on World Input-Output Model

by *Xiang Gao*

3. Economy wide Assessment of Global Value Chains- Case of China and India

by *Kakali MUKHOPADHYAY, Paramita DASGUPTA, Cuihong YANG*

4. Vertical and Horizontal Specialization Revisited: Case of India

by *Paramita DASGUPTA, Kakali MUKHOPADHYAY*

● Location: **Room 3**

Topic: **SUT compilation: experiences from NSOs**

Chair: Jiemin GUO

1. Constructing Supply and use tables in current and constant prices: the Australian experience

by *Khanh Vy Hoang*

2. From theory to practice: what makes the European Union's Inter-Country Supply, Use and Input-Output tables different?

by *José M. RUEDA-CANTUCHE, Isabelle REMOND-TIEDREZ, AGUSTIN VELAZQUEZ-AFONSO, Pedro MARTINS FERREIRA, Paola Rocchi, Juan Manuel Valderas Jaramillo, Antonio F. AMORES, MARIA VICTORIA ROMÁN*

3. Exploring compiling methodolines of China's SUT Accounts

by *Huaju LI, lihua dong*

4. The Evolution and New Development of the US Input-output Accounts

by *Jiemin GUO, Thomas F Howells*

- Location: **Room 4**

Topic: **Multiplier & Linkages Regional**

Chair: Dietrich W. Köppen

1. About Upper and Lower Bounds of Interregional Aggregation Effects.  
by *Dietrich W. Köppen*
2. It takes two to tango. Dichotomous principles in regional economic models  
by *Nino Javakhishvili-Larsen, Bjarne Hartz Madsen*
3. Difference in regional productivity and unbalance in regional growth  
by *Jie Zhang, Nino Javakhishvili-Larsen*
4. Assessing the Impact of Fiscal Consolidations on Unemployment and Growth in the Brazilian Economy  
by *Esther Dweck*

- Location: **Room 5**

Topic: **Structural decomposition**

Chair: Fabio Neves Peracio de Freitas

1. The Grand Tour: Keynes and Goodwin go to Greece  
by *Eduardo Amaral Haddad*
2. The Role of Relative Price Changes and the Structural Decomposition Analysis of the Brazilian Economy from 2000 to 2015  
by *José Pedro Bastos Neves, Fabio Neves Peracio de Freitas, Patieene Alves Passoni*
3. Environmental Costs of European Union Membership: a Structural Decomposition Analysis  
by *Inácio Fernandes de Araújo Jr, Randall Jackson, Amir Borges Ferreira Neto, Fernando Salgueiro Perobelli*
4. A Structural Decomposition Analysis of the Change in Global Renewable Energy Use between 1995-2009  
by *Erik DIETZENBACHER*

- Location: **Room 6**

Topic: **CGE & energy-economy**

Chair: Aline Souza Magalhães

1. Regional Impacts of Climate Change on Health and Labor in Brazil  
by *Aline Souza Magalhães, Edson Paulo Domingues, DEBORA FREIRE, Gilvan Ramalho Guedes, Kenya Noronha*
2. A CGE model for the Spanish electricity sector: Testing some possible change scenarios  
by *Raquel Langarita, Rosa DUARTE, Geoffrey J.D. HEWINGS, Julio Sánchez Chóliz*
3. Transition towards high share of renewables in Ukraine: linked energy system and CGE model approach  
by *Maksym G. Chepeliev, Oleksandr Diachuk*

4. How immigration can raise wages -A case study of Pakistan  
by *Ayesha Mehtab*

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

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

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## **Wed, 27/Jun/2018**

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

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### **09:00 - 10:30 Parallel Sessions 4**

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- Location: **Room 1**

Topic: **Gender and inequality**

Chair: Anke M. MOENNIG

1. THE ECONOMIC COST OF GENDER DISCRIMINATION IN THE BRAZILIAN LABOUR MARKET  
by *Kenia B. DE SOUZA, Edson Paulo Domingues, Geoffrey J.D. HEWINGS*
2. Gender pay gap in global trade: How pervasive is gendered labour inequality?  
by *Rachel C. REYES, Muhammad Daaniyall ABD RAHMAN, Futu FATURAY, Manfred LENZEN, Joy Murray*
3. THE INFORMALITY IN MEXICO: WHO ARE THE TRUE LOSERS?  
by *Luz Dary Beltrán Jaimes, María C. Delgado*

- Location: **Room 2**

Topic: **China's Interregional Input-Output Database: Construction and Applications**

Chair: Jiansuo PEI

1. Income-based emissions of Jing-Jin-Ji megaregion at city level  
by *Yafei WANG, Lixiao Xu*
2. Specialization in Production Networks: Measuring Interdependence in Activities across China's Provinces  
by *Jiansuo PEI, Quanrun CHEN, Yuning Gao, Gaaitzen DE VRIES*
3. Constructing a China's Multi-Year Multi-Provincial Input-Output Table  
by *Shantong LI, Chen Pan, Jianwu HE*

- Location: **Room 3**

Topic: **Multiplier & Linkages Investment**

Chair: Cuihong YANG

1. An Input-Output Study of the China Information Sector  
by *Yongming HUANG, Xiaofei Chen, JAMAL KHAN*

2. Multisectoral Aggregate Supply- Aggregate Demand Analysis

by *Xinjian LIU, Fengge Yan*

● Location: **Room 4**

Topic: **Welfare programs**

Chair: Manuel A. CARDENETE

1. IMPACTS OF THE ECONOMIC SUBSIDIES PROGRAM TO INNOVATION: EVALUATION OF LONG-TERM EFFECTS ON THE BRAZILIAN ECONOMY

by *Domitila Santos Bahia, Admir Antonio Betarelli Junior, Eduardo Gonçalves*

2. THE IMPACT OF MORTALITY AND MORBIDITY ON THE BRAZILIAN ECONOMY: INPUT-OUTPUT ANALYSE

by *Everlam E. MONTIBELER, Magda Da Silva Pandini*

3. The Matrix of Social Accounting (SAM) for analysis of the welfare Brazilian programs

by *Ana Cristina Guimaraes Carneiro, Dinilson Pedroza Junior*

● Location: **Room 5**

Topic: **Global databases**

Chair: Bart LOS

1. Land footprints and the use of high product and country resolution in multi-regional input-output modelling

by *Eivind Lekve Bjelle, Johannes TÖBBEN, Konstantin STADLER, Sarah Schmidt, Kirsten S. WIEBE, Richard WOOD*

2. Exploring carbon emissions and international convergence in a globalized world: a multiregional perspective

by *Lucía BOLEA, Rosa DUARTE, Julio Sánchez Chóliz*

3. A critical review of the global MRIO databases

by *Kirsten S. WIEBE, Anne OWEN, Moana SIMAS*

● Location: **Room 6**

Topic: **CGE & Transport**

Chair: Michael L. LAHR

1. Should subsidies to urban passenger transport be withdrawn? A dynamic CGE analysis for the Brazilian economy

by *Andressa Lemes Proque, Admir Antonio Betarelli Junior, Fernando Salgueiro Perobelli*

2. Long-Run Effects of the Rail Freight Sector Tariff Review Policy in Minas Gerais State, Brazil

by *Vinicius A. VALE, Admir Antonio Betarelli Junior, Weslem Rodrigues Faria, Fernando Salgueiro Perobelli, Suzana Quinet de Andrade Bastos*

3. ACCESSIBILITY IN THE REGIONAL CGE FRAMEWORK – SHORT AND LONG TERM EFFECTS OF TRANSPORT INFRASTRUCTURE INVESTMENT IN POLAND

by *Bartłomiej Rokicki, Marcin Stepniak*

10:30 - 11:00 *Coffee Break*

Location: **Lobby**

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**11:00 - 12:30 Parallel Sessions 5**

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● Location: **Room 1**

Topic: **Energy and emissions**

Chair: Hongxia ZHANG

1. Inter-country comparison of carbon footprint with purchasing price index adjustment  
by *Eugénie Joltreau, Norihiko YAMANO, Joaquim J.M. GUILHOTO*
2. Implications of clean energy targets for the Indian Economy based on the E3 Model  
by *Kakali MUKHOPADHYAY, Partha Pratim Ghosh*
3. The Short-term Effects of Carbon Taxation in China: An Analysis Based on Energy Input-Output Model in Hybrid Units  
by *Hongxia ZHANG, Geoffrey J.D. HEWINGS*

● Location: **Room 2**

Topic: **Growth Accounting**

Chair: Erik DIETZENBACHER

1. Rethinking total factor productivity and economic growth from Input - Output Model  
by *Marco Antonio Marquez*
2. Growth accounting in the age of global-value chains: A demand side perspective applied for Brazil in the period of 2000-2015  
by *José Bruno Fevereiro, Patieene Alves Passoni*
3. Input-Output and Measuring Economic Productivity in Brazil from 2000 to 2013  
by *LUAN VINICIUS BERNARDELLI, Ricardo Luis Lopes*

● Location: **Room 3**

Topic: **Value Added in Trade and the OECD ICIO**

Chair: Isabelle REMOND-TIEDREZ

1. Measuring bilateral trade in terms of value added  
by *José M. RUEDA-CANTUCHE, Iñaki Ignazio Arto, Erik DIETZENBACHER*
2. Decomposition of Value-Added in Gross Exports: Unresolved Issues and Possible Solutions  
by *Sebastien MIROUDOT, Ming Ye*
3. OECD Inter-Country Input-Output Database 2018 edition  
by *Norihiko YAMANO, Ali Alsamawi, Joaquim J.M. GUILHOTO, Colin WEBB*

● Location: **Room 4**

Topic: **Subnational tables**

Chair: Johannes TÖBBEN

1. Estimation of Interregional Systems, is the Method Important? Comparing Brazil's TUPI and IIOAS Approaches  
by *Carlos Alberto Gonçalves Junior, Joaquim J.M. GUILHOTO*
2. A structural analysis of an input output bi-regional model of the Federal District of Mexico using hybrid methods to assess economic impacts, 2008-2013  
by *Esther Quiñones Luna, Normand Asuad Sanen, Juan Manuel Valdés Casillas, Cristina VAZQUEZ, Krista Zafra*
3. The approach of the national I-O submodel  
by *Viorel Nicolae Gaftea, Emilian Dobrescu*

● Location: **Room 5**

Topic: **Sustainable Development Goals**

Chair: Bingqian YAN

1. Perspectives on Tourism and Poverty alleviation in Iran  
by *Fatemeh BAZZAZAN, zahra seifishahpar*
2. SECTORAL PRODUCTION STRUCTURE OF THE SOUTH COAST OF THE STATE RIO GRANDE DO SUL: AN APPROACH WITH PRODUCT INPUT  
by *Cassius Rocha Oliveira, Rodrigo da Rocha Gonçalves*
3. Exploring Mitigation Options in Agriculture Sector and links with SDGs: Some Empirical Evidences from India  
by *SHREYA SOME*

● Location: **Room 6**

Topic: **CGE & Demography**

Chair: Suzana Quinet de Andrade Bastos

1. Demographic Changes and its Impacts on Consumption and Greenhouse Gas Emissions in Brazil: a computable general equilibrium model approach  
by *Terciane Sabadini Carvalho, Flaviane Souza Santiago, Fernando Salgueiro Perobelli*
2. Labor Market Effects of Demographic Transition: a CGE analysis for the Brazilian Economy  
by *Alexandre Porsse*
3. Demographic transition: the impact on Brazilian labor market  
by *Marcílio Zanelli Pereira, Suzana Quinet de Andrade Bastos, Fernando Salgueiro Perobelli*

12:30 - 14:00 *Lunch*  
Location: **Hotel Restaurant**

14:00 - 15:00 *Flash Session*  
Location: **AUDITORIUM**

15:00 - 18:30 *World Cup Party*  
Location: **Hotel Penthouse**

## **Thu, 28/Jun/2018**

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

### **09:00 - 10:30 Parallel Session Feedback Partners 1**

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- Location: **Room 3**

Topic: **Feedback Session 1a**

Chair: Emily Stebbings

1. An analysis of the regional economic effects of changes productivity in the main Brazilian agricultural crops  
by *Marcos Spínola Nazareth, Dênis Antônio da Cunha, Angelo Costa Gurgel*
2. From Startup to Scale-up: An approach to Andalusian high growth companies through the Social Accounting Matrices  
by *Joaquin Garcia-Tapia Arregui, Manuel A. CARDENETE*

- Location: **Room 4**

Topic: **Feedback Session 2a**

Chair: Patieene Alves Passoni

1. Macro-Economic Impact of MGNREGA in India: An Analysis in CGE Modeling Framework  
by *Akhilesh Kumar Sharma, Atul Sarma*
2. Winds of Bahia: an analysis of the socioeconomic impacts of wind farms in Bahia municipalities  
by *CAROLINA SILVA RIBEIRO, Gilca Garcia de Oliveira, Roberto Maximiano Pereira*

- Location: **Room 5**

Topic: **Feedback Session 3a**

Chair: Bart LOS

1. IMPACTS OF THE DOHA ROUND AND ECOWAS ON THE GUINEA-BISSAU ECONOMY: AN ANALYSIS WITH CGE MODEL  
by *Júlio Vicente Cateia, Mauricio Vaz Lobo Bittencourt, Terciane Sabadini Carvalho*
2. How the global demand linkage was changed after the world finance crisis?  
by *Kaiyao Wu, Huiyuan Liu, tinggan Yang*

● Location: **Room 6**

Topic: **Feedback Session 4a**

Chair: Fabrcio Pitombo Leite

1. Study on import price transmission with time lag based on non-competitive input-output model  
by *Ran Xu*
2. Modeling the location choice: evidences from an evolutionary game based on regional input-output analysis  
by *Ademir Moreira Rocha, Douglas Sad Silveira, Fernando Salgueiro Perobelli, Silvinha Pinto Vasconcelos*

● Location: **Room 7**

Topic: **Feedback Session 5a**

Chair: David Wajnryt

1. Macro\_financial linkages of the Brazilian economy  
by *Erika BURKOWSKI, Fernanda Finotti Cordeiro Perobelli, Fernando Salgueiro Perobelli*
2. The Business Accounting Matrix: a proposal with an application.  
by *Casiano A. Manrique\_de\_Lara\_Peñate, Jose Juan Deniz Mayor*

10:30 - 11:00 *Coffee Break*

Location: **Lobby**

**11:00 - 12:30 Parallel Session Feedback Partners 2**

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● Location: **Room 3**

Topic: **Feedback Session 1b**

Chair: Manuel A. CARDENETE

1. Integrating ecological systems into input-output analysis: the importance of feedback loops  
by *Emily Stebbings, Melanie Clare Austen, Tara Hooper, Eleni Papathanasopoulou, Xiaoyu Yan*
2. The role of intermediate trade in the change of carbon flows in China  
by *Jing MENG*

● Location: **Room 4**

Topic: **Feedback Session 2b**

Chair: Akhilesh Kumar Sharma

1. Structural Change in the Brazilian Economy: a structural decomposition analysis for the period 2000-2015  
by *Patieene Alves Passoni, Fabio Neves Peracio de Freitas*
2. EXPLORING THE EVOLUTION OF INDIA'S ECONOMIC STRUCTURE: THE CASE OF MANUFACTURING-SERVICES INTER-LINKAGES  
by *CHAITANYA TALREJA*



● Location: **Room 5**

Topic: **Feedback Session 3b**

Chair: Júlio Vicente Cateia

1. Indicators of Bilateral Trade Dependence in Global Production Networks  
by *Bart LOS, Marcel Timmer*
2. Substitution Process of National Inputs by Imports in the Brazilian Manufacturing Industry  
by *Helena Loiola Persona, Carolina T. BALTAR*

● Location: **Room 6**

Topic: **Feedback Session 4b**

Chair: Douglas Sad Silveira

1. The route of the labor compensation share of the GDP: a structural decomposition analysis for Brazil in 2000-2005  
by *Marcelo Resende Tonon, Esther Dweck*
2. Multipliers and supermultipliers in a multisectoral framework: macroeconomic tools after all?  
by *Fabício Pitombo Leite*

● Location: **Room 7**

Topic: **Feedback Session 5b**

Chair: Erika BURKOWSKI

1. An Alternative Approach for Estimating Imports Uses and Industry of Destination - The Case of Israel  
by *David Wajnryt, Helen Brusilovsky*
2. Multi-Layer Construction Framework for Sub-region Input-Output Table  
by *HERAN ZHENG, Zhifu Mi, Jing Meng, Dabo Guan*

12:30 - 14:00 *Lunch*

Location: **Hotel Restaurant**

14:00 - 15:00 *Decent Living emissions pathways: Using Input-Output to quantify human well-being*

Location: **AUDITORIUM**

by *Narasimha Rao (IIASA International Institute for Applied Systems Analysis)*

**15:00 - 16:00 Parallel Sessions 6**

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● Location: **Room 1**

Topic: **GVC Environment-Economy**

Chair: Moana SIMAS

1. Water and Global Value Chain: A subsystem application to Brazil  
by *Leopoldo Costa Junior*

2. Implications of China's accession to the World Trade Organization on global carbon emissions: a historical perspective  
by *Sangwon SUH, Rutger HOEKSTRA, Bernhard MICHEL*

● Location: **Room 2**

Topic: **Development of Input-Output Benchmark Accounts**

Chair: Khanh Vy Hoang

1. Employment in green and conventional sectors in Zambia: an I-O analysis  
by *Massimiliano LA MARCA, Iljen DEDEGKAJEVA, XIAO JIANG, Marek Harsdorff*
2. NIOT in Latin America: comparison of data available of based on Brazil  
by *Marianela SARABIA*

● Location: **Room 3**

Topic: **Sraffa and Ghosh**

Chair: Geoffrey J.D. HEWINGS

1. Labor values and prices of production: a new theoretical and empirical approach on the transformation problem  
by *Mario Salomón Montesino Castro, Armando Andrés Álvarez, Juan José López, Meraris Carolina López*
2. A supply-driven model able to endogenise simultaneous homogeneous and heterogeneous primary inputs: overcoming the Ghosh model's limitation  
by *Aleix ALTIMIRAS-MARTIN*

● Location: **Room 5**

Topic: **Price modelling**

Chair: Satoshi INOMATA

1. Brazilian Inflationary Dynamics from 2000 to 2009: A Multisector Approach  
by *Leandro Gomes da Silva, Fabio Neves Peracio de Freitas*
2. The Impact of Decrease of Wheat Self-sufficiency Rate----Based on Input-output Price Model  
by *Man man Fu*

● Location: **Room 6**

Topic: **Regional energy & environment**

Chair: Manuel A. CARDENETE

1. A disaggregated MRIO model for the Ebro River Basin (Spain)  
by *Miguel Ángel Almazán-Gómez, Raquel Langarita, Rosa DUARTE, Julio Sánchez Chóliz*
2. Exploring Drivers of Beijing's CO2 Emissions Increment: A comprehensive multi-level factor analysis  
by *Junrong Zhang*

16:00 - 16:30 *Coffee Break*

Location: **Lobby**

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**16:30 - 18:30 Parallel Sessions 7**

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● Location: **Room 1**

Topic: **GVC Trade**

Chair: Bart LOS

1. Employment and foreign trade in Mexico 1980-2012. An Input-Output Analysis  
by *ABRAHAM ISRAEL MENDEZ, Fidel Aroche*
2. THE EFFECTS OF NAFTA ON CANADA, MEXICO AND THE UNITED STATES: A MULTIREGIONAL INPUT-OUTPUT ANALYSIS  
by *Pablo RUIZ NAPOLES, Eduardo MORENO REYES*
3. Employment effects of EU services exports to the rest of the world by modes of supply using the Eurostat's EU Inter-country Input-Output Tables  
by *José M. RUEDA-CANTUCHE, MARIA VICTORIA ROMÁN, Antonio F. AMORES, Juan Manuel Valderas Jaramillo, Isabelle REMOND-TIEDREZ*
4. Trade-offs between environmental pressures and economic benefits in primary commodity exporters: a study of Australia and Brazil from 1995 to 2015  
by *Moana SIMAS, Thomas O. WIEDMANN*

● Location: **Room 2**

Topic: **International Finance and Trade**

Chair: Jiyoung KIM

1. Effects of Trade Policy on Technological Innovation in Agricultural Markets  
by *Lei LEI*
2. Flow-of-Funds Analysis of the Brazilian Economy  
by *Erika BURKOWSKI, Jiyoung KIM, Kazusuke TSUJIMURA, Masako TSUJIMURA*
3. Characterizing the real-financial interconnectedness of an economy: Sector linkage based on IO, SAM and FSAM Multipliers  
by *Luis Pedauga, AGUSTIN VELAZQUEZ-AFONSO*
4. Financial Input-Output Table for Asia-Pacific Region  
by *Jiyoung KIM, Satoru HAGINO*

● Location: **Room 3**

Topic: **GVC upgrading**

Chair: Joaquim J.M. GUILHOTO

1. Productive Integration and Locational Advantages: The Brazilian Agribusiness Value Chains in Comparative Perspective  
by *Izak Carlos Silva, Weslem Rodrigues Faria, Fernando Salgueiro Perobelli*
2. Upstreamness, exports and international competitiveness: lessons from the case of China  
by *Marilia Bassetti Marcato*
3. Does Global Value Chain Participation Cause Industrial Upgrading?  
by *Kailan TIAN, Erik DIETZENBACHER*
4. Some notes on the effects of trade in intermediate products on the patterns of specialization  
by *Gabriel Brondino, Davide Villani*

● Location: **Room 4**

Topic: **Life-cycle analysis**

Chair: Sangwon SUH

1. Life-Cycle Cost of Manufactured Goods: A Case Study in US Ground Passenger Transportation  
by *Douglas S Thomas*
2. Beyond Well-to-Wheels analysis: assessing the full supply chain impact of Fuel Cell Electric Vehicles (FCEV) in future automotive scenarios  
by *Matteo Vincenzo Rocco*
3. Quantifying regionalised embodied carbon emissions of buildings using an integrated hybrid life cycle inventory model of Australia  
by *Man Yu, Thomas O. WIEDMANN*
4. Uncertainty implications of hybridization in life cycle assessment  
by *Sangwon SUH, Jessica Perkins*

● Location: **Room 5**

Topic: **Modeling the Chilean Economy to Analyze the Future of its Mining Sector**

Chair: Patricio AROCA

1. Chilean Labor Market Evolution Data Production at National and Regional Level and Its Relevancy for Modeling the Economy  
by *Patricio AROCA, Esteban A Lopez Ochoa*
2. Copper forecasting Chile (COFORCE) – methodology and design of a macro-econometric input-output model for the Chilean Economy  
by *Anke M. MOENNIG, Loreto Bieritz, Anett GROSSMANN, Frank Hohmann, Marc Ingo Wolter*

3. The Impact of the Special Mining Tax After the Earthquake 2010 over key variables of the Chilean Economy  
by *juan pedro eberhard, PATRICIO AROCA, Loreto Bieritz, Nicolas Garrido, Anett GROSSMANN, Anke M. MOENNIG*
4. Impact Assessment of the Changes in the Energy Sources on the Chilean Mining Sector  
by *Nicolas Garrido, PATRICIO AROCA, Loreto Bieritz, juan pedro eberhard, Anett GROSSMANN, Anke M. MOENNIG*

● Location: **Room 6**

Topic: **Regional trade**

Chair: Cristina VAZQUEZ

1. Sectoral GVC-REER and industry competitiveness in Russia  
by *Irina Bogacheva, Alexey Porshakov, Natalia A. Turdyeva*
2. Incorporating Port-Level Foreign Trade Data into IMPLAN's Gravity Model to Estimate Region-Specific Foreign Trade Rates  
by *James James Squibb, Jennifer Thorvaldson*
3. European NUTS 2 regions: consistent Inter-regional Trade and Transport flows estimation  
by *Giovanni MANDRAS, Mark Thissen*
4. Methodology for the estimation of interregional trade coefficients from the approach of the supply and use tables: a multiregional approach at the subnational level.  
by *Cristina VAZQUEZ, Normand Asuad Sanen*

19:30 - 21:30 *Conference Dinner*

## **Fri, 29/Jun/2018**

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

09:00 - 10:30 *IIOA General Assembly*  
Location: **AUDITORIUM**

10:30 - 11:00 *Coffee Break*  
Location: **Lobby**

## **11:00 - 12:30 Parallel Sessions 8**

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● Location: **Room 1**

Topic: **National data in Global IOTs**

Chair: Rutger HOEKSTRA

1. Evolution of the global value chains of the Mexican industry in the world economy in Input Output Networks: a comparative study between 1995-2011.  
by *Rafael Bouchain, Eric Hernández Ramírez, Juan Andrés Ramírez*

2. About the possibility of taking into account the updated data in the Russian block of World Input-Output Tables  
by *Alsu SAYAPOVA, Nikita Andreevich Skripnik, Tatiana O. TAGAEVA*
3. The role of exporters and domestic producers in GVCs: Evidence for Belgium based on heterogeneous national supply-and-use tables integrated into a global multiregional input-output table  
by *Bernhard MICHEL, Caroline Hambÿe, Bart HERTVELDT*

● Location: **Room 2**

Topic: **Micro data**

Chair: Sebastien MIROUDOT

1. Bridging macroeconomic data between classifications  
by *Mattia Cai, José M. RUEDA-CANTUCHE*
2. Spatial Autocorrelation Analysis of Regional Direct Input Coefficients in China  
by *Xinteng Liu, Xu Jian, Haoyang Zhao*
3. Mapping consumption impacts: combining IO models with consumption estimates for small areas  
by *Esteban FERNANDEZ-VAZQUEZ, Mònica SERRANO*

● Location: **Room 3**

Topic: **Power generation, extractive industries and regional integration**

Chair: Aline Souza Magalhães

1. Soft-Linking Power Generation Optimization Models to Top-down Macroeconomic analysis tools: the case of Egypt  
by *Yassin Yehia Rady, Matteo Vincenzo Rocco*
2. Input-Output Approach as an Instrument for Estimation the Impact of the Extractive Industry Sector on the Economy of Tajikistan  
by *Oliya Maxudova*
3. Economy wide impact of Regional Integration in South Asia - Options for Pakistan  
by *Muhammad Aamir KHAN*

● Location: **Room 4**

Topic: **Structural change**

Chair: Cuihong YANG

1. Economic Structure Analysis for Brazil, India, Russia and China (1995 - 2011)  
by *Caio Bertoni Viana Rocha*
2. The sources of structural change in Brazil from 2003 to 2008  
by *Camila Unis Krepsky, Esther Dweck*

3. Modeling the Effect of Chinese Exports of Services Trade: A New Partially Endogenous Investments and Consumption Input-Output Model  
by *Maorong Jiang, Min Wei*

● Location: **Room 5**

Topic: **Mathematical analysis of input-output data**

Chair: Hongxia ZHANG

1. The emergent properties of the determinant of the Input- Output matrices: the case of the relationship among functional income distribution, labor productivity and the index of circularity  
by *Eduardo MORENO REYES, Manuel García Álvarez, Kaio Vital Costa, Martín Carlos PUCHET ANYUL*
2. APPLICATION OF MULTIVARIATE ANALYSIS AS COMPLEMENTARY INSTRUMENT IN STUDIES ABOUT STRUCTURAL CHANGES: AN EXAMPLE OF BACKWARD AND FORWARD LINKAGES IN THE AMERICAN ECONOMY  
by *Lucas Milanez de Lima Almeida, Paulo Antonio de Freitas Balanco*

● Location: **Room 6**

Topic: **Regional & spatial**

Chair: Geoffrey J.D. HEWINGS

1. Chiapas Economic Structure: a Qualitative Input Output Analysis with a spatial approach  
by *Krista Zafra, Normand E ASUAD, Julián Equihua, Esther Quiñones Luna*
2. Analysis of economic impacts in the Metropolitan Area of Mexico City, through the construction of a Multiregional Input-Output Matrix, a bottom-up spatial approach.  
by *Karina GARDUÑO, Marcos N. MAYA*
3. Unbalanced Productivity Progress and Urban-rural Dual Economy —Theory and Empirical Study based on China Historical Input-output Tables  
by *Chen LIN*

12:30 - 14:00 *Lunch & closing ceremony*

Location: **Hotel Restaurant**

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