



The 2008 International Input-Output Meeting
Input - Output & Environment

SEVILLE

July 9 - 11, 2008

Summary Programme

(Topics)

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Programme

Wednesday, 9th July

08:30 - 09:30 Registration

09:30 - 10:30 **Opening ceremony**

10:30 - 11:30 **Plenary session (1):**

Economy-wide models in integrated assessment of climate policy

Joyashree Roy, Inter-Governmental Panel on Climate Change, Jadavpur University (India)

Chair: T. ten Raa

11:30 - 12:00 Coffee break

Poster sessions (1):

- p1 *A goal programming approach for a joint design of macroeconomic and environmental policies: a methodological proposal and an application to the Spanish economy*
F. J. André, M. A. Cardenete and C. Romero
- p2 *CO2 emission from solar power satellite - Tether Satellite System*
K. Asakura, S. Nakano and K. Yoshioka
- p3 *Integrated environmental model and economic structure: the case of Tehran province*
F. Bazzazan and M. Yaseri
- p4 *Interindustry linkages: does firm size make a difference? An empirical illustration for Spain*
E. Fernández and I. Romero
- p5 *Employment and income distribution in the Brazilian economy: an interregional Leontief-Miyazawa model approach*
J. Ghilhoto and F. Sartori de Camargo
- p6 *A comparison of the impact of the 1997 financial crisis on the economic structure of Indonesia and Australia: an input-output analysis*
M. H. Imansyah, M. McGovern, G. West and R. Jensen
- p7 *Brazilian productive structure and CO2 emission*
D. Imori and J. Ghilhoto
- p8 *Environmental IO model for the Republic of Uzbekistan*
K. Inomkhodjayev
- p9 *Rural sustainable development*
E. Pizzoli

12:00 - 13:30 **Parallel sessions (1):**

1a Sustainable development: Air emissions (I)

Chair: N. Sakurai

- 1a1 *Controlling greenhouse gas emissions via natural gas substitution: an input-output study for Turkey*
N. A. Bhutto and S. Gagatay
- 1a2 *Estimating air pollution from an energy AGE model. The case of Spain: 2000-2010*
M. A. Cadarso, C. Córcoles, E. Febrero and L.A. López Santiago
- 1a3 *The compilation of a Greek NAMEA matrix for 2005 and its application as a methodological framework for assessing emission reduction options*
Ch. Economidis, D. Keramidis, A. Demertzi, N. Stromplos, A. Sfetsos and D. Vlachogiannis

1b Input-Output analysis of disasters

Chair: A. E. Steenge

- 1b1 *An input-output analysis of the economic impact of natural disasters: a case study for the Prestige oil-spill*
D. Fuentes Castro and M. Fernández Fernández
- 1b2 *An adaptive regional input-output model and its application to the assessment of the economic cost of Katrina*
S. Hallegatte
- 1b3 *Measuring potential effects of production peaks of global non-renewable key (GNORK) resources within the concept of economic disasters*
C. Kerschner and K. Hubacek

1c Economic-Ecological input-output modeling

Chair: K. Kratena

- 1c1 *The importance of carbon footprint estimation boundaries*
H. S. Matthews, C. T. Hendrickson and C. L. Weber
- 1c2 *Reducing the carbon footprints of German citizens - a detailed analysis of the climate change impacts of lifestyle groups in Germany 1991-2002*
J. Minx and G. Baiocchi
- 1c3 *A monetary measure for ecological footprints of domestic final demand - an UK example*
K. Kratena and T. Wiedmann

1d Monetary, Physical and Hybrid Input-Output Analysis (I)

Chair: S. Nakamura

- 1d1 *Reduction of industrial waste and CO2 emission: evidence from microdata linked with the IO table of Japan*
S. Nakano and H. Hayami
- 1d2 *The technical considerations in the compilation of regional or interregional waste input-output table*
M. Tsukui and K. Nonaka
- 1d3 *Ferrous material flow and contamination of tramp elements: towards sustainable recycling and efficient resource management*
K. Yokoyama, K. Nakajima, E. Yamasue, K. Nansai and T. Nagasaka
- 1d4 *Input-output MFA as a tool for sustainable management of material stocks with application to capital matrix*
S. Nakamura, K. Nakajima, K. Yokoyama and K. Yasushi

1e EXIOPOL Session (I)

Chair: A. Tukker

- 1e1 *EXIOPOL: Philosophy and main approach*
A. Tukker
- 1e2 *Aligning and transforming SUT and IO data for the EU27 and RoW countries in EXIOPOL*
T. van Bree, T. Hawkins, W. Manshanden and E. Poliakov
- 1e3 *Creating a global environmental database for input-output applications. Environmental extensions in the EXIOPOL project*
S. Moll, J. Acosta, S. Giljum, S. Lutter, T. Pulles and J. Kuonen

1f Sustainable Society

Chair: G. Hewings

- 1f1 *Demographic profiling of Canadian greenhouse gas emissions*
H. Messinger and J. St. Lawrence
- 1f2 *Growth, poverty and distribution: a SAM approach*
M. Y. Saari, E. Dietzenbacher and B. Los
- 1f3 *Does a change in retirement age affect a regional economy? Evidence from the Chicago economy*
S. Park and G. Hewings

13:30 - 15:30 Lunch break

15:30 - 17:00

Parallel sessions (2):**2a Sustainable development: Air emissions (II)**

Chair: J. Roy

- 2a1 *A computable general equilibrium approach to trade and environmental modeling in the Malaysian economy*
A. H. Al-Amin and Ch. Siwar
- 2a2 *Structural change and lifestyle effects on industrial emissions*
R. Kamaruddin and M. K. H. Hassan
- 2a3 *The changing structures of greenhouse gas emissions and managerial applications: Canada and Japan, 1990-2000*
H. Hayami and M. Nakamura

2b Session in honour of Chris de Bresson

Chair: P. Kaminski

- 2b1 *In honour of Christian de Bresson: input-output analysis, technological innovation, sustainable development and social economics*
P. Kaminski
- 2b2 *Impact studies without multipliers: lessons from Quesnay's Tableau Economique*
A. E. Steenge and R. van den Berg
- 2b3 *Import-driven growth pattern rediscovery: the decomposition of China's exports for 1997-2005*
J. Pei, J. Oosterhaven, E. Dietzenbacher and C. Yang

2c Structural change and dynamics

Chair: P. Antonello

- 2c1 *Decoupling of energy consumption and air emissions from economic growth in Denmark 1966 to 2006?*
T. Olsen and P. R. Jensen
- 2c2 *Environmental input-output analysis, structural decomposition analysis and uncertainty*
A. Yamakawa and G. Peters
- 2c3 *An application of the EM algorithm to the analysis of structural change through input-output*
P. Antonello and A. Beccarini

2d Input-Output modeling in policy making (I)

Chair: J. C. Parra

- 2d1 *Impacts of EU options for post-Kyoto in the medium term - results from the GINFORS model*
Ch. Lutz, B. Meyer and A. Jungnitz
- 2d2 *ImacliM-R: an innovative hybrid model to foster the dialog on sustainable pathways, energy policies and climate stabilization*
R. Crassous-Doerfler, O. Sassi, J. C. Hourcade, H. Waisman, C. Guivarch and V. Gitz
- 2d3 *Climate change, agricultural productivity and poverty in West Africa*
J. C. Parra and Q. Wodon

2e EXIOPOL Session (II)

Chair: A. Tukker

- 2e1 *Methodology for the construction of an international supply-use table*
M. C. Bouwmeester and J. Oosterhaven
- 2e2 *Commodity classification and valuation system conversions of household demand in the IO framework. Methodological aspects and modeling applications*
I. Mongelli, F. Neuwahl, J. M. Rueda-Cantuche and A. Villanueva
- 2e3 *Comparison of the emission intensities of industries across European economies*
T. Hawkins

2f Sustainable development: Water (I)

Chair: E. Velázquez

- 2f1 *Using input-output analysis to assist urban water policy decisions*
A. Chanan, D. Sharma and J. Kandasamy
- 2f2 *Environmental impact of regional port infrastructure improvement in the Philippines*
C. Goce-Dakila
- 2f3 *An input-output analysis of sewage treatment*
C. Lin

17:00 - 19:00 First Constitutional Assembly of the Hispanic-American Input-Output Society (SHAIO)
(open to all interested people)



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Thursday, 10th July

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Registration

Parallel sessions (3):

3a Sustainable development: Air emissions (III)

Chair: Ch. Economidis

- 3a1 *Towards environmental labeling: offshoring and sustainable development*
M. A. Cadarso, L. A. López, N. Gómez and M. A. Tobarra
- 3a2 *Economic 'responsibility' for CO2 emissions*
L. Cruz and E. Barata
- 3a3 *Quantifying environmental leakage for Belgium*
A. A. Sissoko and G. Vandille
- 3a4 *Responsibility and trade emission balances: two approaches for the same concept?*
M. Serrano and E. Dietzenbacher

3b Drivers of changes for China's economy

Chair: K. Hubacek

- 3b1 *The nature of China's foreign trade: Heckscher-Ohlin trade theory re-examined*
J. Pei, J. Oosterhaven, E. Dietzenbacher and C. Yang
- 3b2 *Chinese exports and their contribution to climate change*
C. L. Weber, G. Peters, K. Hubacek and D. Guan
- 3b3 *The drivers of Chinese CO2 emissions from 1980 to 2030*
D. Guan, K. Hubacek, C. L. Weber, G. Peters and D. M. Reiner

3c Methodological aspects of Input-Output (I)

Chair: C. Lager

- 3c1 *Energy decomposition analysis: the generalized Fisher index revisited*
P. de Boer
- 3c2 *An exploration of a Markov cluster approach to the identification of fundamental economic structure: the case of Indonesia*
M. H. Imansyah, A. Bustaman, M. McGovern, G. West and R. Jensen
- 3c3 *The use of structural path and decomposition analyses to investigate the greenhouse impacts of trade substitution.*
R. Wood
- 3c4 *The Coase theorem revisited in a multisectoral framework*
C. Lager and A. E. Steenge

3d Sustainable development: Energy (I)

Chair: A. Loeschel

- 3d1 *An energy AGE model. Forecasting energy demand in Spain*
O. de Juan, N. Gómez, D. Pedregal, M.A. Tobarra and J. Zafilla
- 3d2 *A dynamic multisectoral and multiregional model towards a middle-term integrated assessment: an alternative of DEARS model*
S. Mori, Y. Wada, K. Imai and M. Ohkura
- 3d3 *From final energy consumption to the requirements of primary energy and CO2 emissions. Analysis from the energy balances for Catalonia 1990-2005*
V. Alcántara, E. Padilla and J. Roca
- 3d4 *Implementing the EU energy package - implications for energy intensive industries*
A. Loeschel

3e Productivity and efficiency analysis

Chair: B. Los

- 3e1 *Decomposing TFP growth in Turkish manufacturing industries: alternatives and implications*
K. Ali Akkemik
- 3e2 *Three way decomposition of the efficiency of Andalusian economy*
T. ten Raa and A. F. Amores
- 3e3 *Competitive environment, wage inequality and efficiency of the Indian economy*
A. Sahoo and T. ten Raa

3f Input-Output studies applied to Spanish regions (organized by SHAIO)

Chair: C. Ramos and J. M. Rueda-Cantucho

- 3f1 *Presentation of the Hispanic-American Input-Output Society (SHAIO)*
C. Ramos and M. A. Tarancón
- 3f2 *Grading the IO coefficients importance. A fuzzy approach*
A. Morillas, L. Robles and B. Diaz
- 3f3 *Water saving through the modernization of irrigation technology in the productive sector in Andalusia. A CGE approach*
M. A. Cardenete and E. Velázquez
- 3f4 *Water consumption based on a disaggregated social accounting matrix of Huesca*
I. Cazarro and J. Sánchez-Chóliz

10:30 - 11:00

Coffee break

Poster sessions (2):

- p10 *Regional economy and regional machinery sector in Japan: analysis of regional input-output tables in accordance with a size of enterprises*
T. Ishiro
- p11 *The economic impact of a limitation on production in a linear programming input-output model*
W. Koller
- p12 *Input-output accounts for a construction company*
C. Manrique de Lara-Peñate and J. L. López-Cruz
- p13 *Comparative analysis of greenhouse gas emissions multipliers for six European countries (1995-2000): a NAMEA approach*
A. Belegri-Roholi, S. Lapatsioras, M. Markaki and P. Michaelides
- p14 *Environmental accounting matrices for Spanish economy on year 2000 and a methodology for its annual updating*
C. Morilla, M. A. Cardenete and G. Llanes
- p15 *Industrial technology policy analysis by IO analysis of knowledge industry in Japan*
Y. Nakano
- p16 *Sources of manpower growth in the Malaysian manufacturing sector*
B. T. Poo and Z. Abdul Rashid
- p17 *Technological components in changes of value added. An application to the Spanish economy 1980-2004*
J. Sánchez-Chóliz and R. Duarte
- p18 *Life cycle assesment of a solar thermal power plant using two different approaches: EIO-LCA and process LCA*
C. de la Rúa, Y. Lechón, N. Caldés and R. Sáez

11:00 - 12:30

Parallel sessions (4):

4a Sustainable development: Air emissions (IV)

Chair: H. Hayami

- 4a1 *Environmental analysis of household activity in Aragon*
M. Flores, J. Sánchez-Chóliz and R. Duarte
- 4a2 *Emissions associated with imports and the influence of changing trade patterns*
C. Gaston
- 4a3 *The measurement of CO2 embodiments in international trade: evidence from the OECD Input-Output tables for the mid 1990s - early 2000.*
S. Nakano, A. Okamura, N. Sakurai, M. Suzuki, Y. Tojo and N. Yamano

4b Session in honour of Emilio Fontela

Chair: F. Duchin

- 4b1 *Avoiding dangerous climate change: the role of input-output in modeling a zero-carbon global economy*
T. Barker
- 4b2 *Scenario based input-output models using cross-impact analysis: a review*
José M. Rueda-Cantucho
- 4b3 *Social accounting matrices in a world modeling context: the role of resources and resource rents*
F. Duchin and C. López-Morales

4c Methodological aspects of Input-Output (II)

Chair: D. Guan

- 4c1 *The robustness of measures to key parameter estimates in a CGE model*
S. M. Lin, M. Y. Hsu, L. R. Lu and J. H. Lin
- 4c2 *Accounting the estimation error of environmental multi-region input-output models*
J. Rodrigues and T. Domingos
- 4c3 *Full biophysical and socio-economic carbon accounting for the UK*
K. Feng, K. Hubacek, Y. Siu, M. Termansen, M. Kirkby and B. Irvine

4d Monetary, Physical and Hybrid Input-Output Analysis (II)

Chair: G. Peters

- 4d1 *Linking structure and agents to evaluate the regional economic and environmental implications of agro-ecosystems management in Southern Spain*
D. Nainggolan, K. Hubacek, M. Termansen and M. Reed
- 4d2 *Comparison of environmental multipliers of physical and monetary Leontief inverse*
I. Mäenpää and T. Härmä
- 4d3 *Regional metabolism accounting model based on three dimensional PIOT and its preliminary application*
Y. Xu and T. Zhang
- 4d4 *Comparing physical and monetary units in environmental analysis using input-output models*
R. Jorge, T. Hawkins and G. Peters

4e International trade and logistics (I)

Chair: N. Dihal

- 4e1 *Dynamics of free trade agreements in East Asian countries*
K. Mukhopadhyay and P. J. Thomassin
- 4e2 *The impact of services trade liberalisation on trade in manufactures*
H. K. Nordas and M. Lesher
- 4e3 *The economic partnership agreements (EPAs), services liberalisation and trade in goods: examining the missing link*
N. Dihal and L. Nilsson

4f Input-Output and Supply Chain Management

Chair: V. Albino

- 4f1 *Enterprise input-output accounting: a non-deterministic approach*
E. Settani and J. Emblemsvag
- 4f2 *Application of life cycle based coefficients for imports in environmentally extended input-output models*
J. Weinzettel and J. Kovanda
- 4f3 *Economic and environmental performance of agro-energy production chains*
V. Albino, A. C. Garavelli, A. Messeni Petruzzelli and M. Yazan
- 4f4 *The environmental sustainability of production chains in concrete industry. An enterprise input-output approach*
V. Albino, A. Messeni Petruzzelli and M. Yazan

12:30 - 13:30

Plenary session (2):

A CGE analysis of the relative price sensitivity required to induce rebound effects in response to an improvement in energy efficiency in the UK economy

Karen Turner, University of Strathclyde (Scotland, UK)

Chair: B. Thage

13:30 - 15:30

Lunch break

15:30 - 17:00

Parallel sessions (5):

5a Sustainable development: Energy (II)

Chair: K. Mukhopadhyay

- 5a1 *The impact of demographic change on energy use and greenhouse gas emissions*
T. Kronenberg
- 5a2 *Trends in UK energy use and carbon emissions from the consumption perspective: a socio-economically disaggregated input-output model*
A. Druckman, T. Jackson and P. Bradley
- 5a3 *An empirical study on interdependency of environmental load and international IO structure in the Asia-Pacific region*
M. Shimoda, K. Fujikawa and T. Watanabe
- 5a4 *Energy use and GHG emissions in India*
K. Mukhopadhyay and D. Chakraborty

5b Sustainable consumption (I)

Chair: O. de Juan

- 5b1 *Relating environment impacts of consumption to household expenditures*
A. Kerkhof and H. Moll
- 5b2 *Environmental impacts of household consumption in Germany 1995-2005*
H. Mayer
- 5b3 *Input-output modeling for scenario analysis of the Indian household energy use*
K. Shimpo, K. Hikita, S. Nakano, A. Okamura and M. Shukla
- 5b4 *Microsimulation with SAM multipliers*
K. Nouve, J. P. Nganou, C. Tsimpo and Q. Wodon

5c Input-Output modeling using make and use tables: methodology and applications

Chair: J. Guo

- 5c1 *The choice of model in the construction of industry coefficients matrices*
José M. Rueda-Cantuche and T. ten Raa
- 5c2 *Application of IO models to use and destination tourism accounts*
C. Manrique de Lara-Peñate, M. C. Langa-Seva and D. Santos-Peñate
- 5c3 *On the impossibility of calculating SNA's supply-use model*
L. de Mesnard

5d Environmental multi-regional input-output modeling (I)

Chair: T. Wiedmann

- 5d1 *New Zealand's carbon balance: MRIO applied to a small developed country*
R. Andrew, G. Peters and J. Lennox
- 5d2 *European natural resource use in a world-wide context. Results from the Global Resource Accounting Model (GRAM)*
S. Giljum and Ch. Lutz
- 5d3 *Uncertainties in multi-regional input-output model construction*
Ch. Weber
- 5d4 *Emissions embedded in UK trade - results from the UK-MRIO model*
T. Wiedmann, R. Wood, J. Minx, M. Lenzen and R. Harris

5e Input-Output Economics and Network Theory (I)

Chair: S. Suh

- 5e1 *Bridging disciplines over network theory and analysis around input-output economics*
S. Suh, S. Kagawa and K. Nansai
- 5e2 *An application of Markov chains to global supply chains*
F. Duchin and S. Levine
- 5e3 *An environmental world linkage behind Japanese household consumption: global link input-output model*
K. Nansai, S. Kagawa, S. Suh, S. Tohno and Y. Moriguchi
- 5e4 *Evolution of industrial carbon flow network in Japan 1975-2006*
S. Kagawa, S. Suh, K. Nansai and Y. Kondo

5f Input-Output modeling in policy making (II)

Chair: G. Günlük-Senesen

- 5f1 *What matters most? Identifying the key issues in environmentally extended input-output models*
T. Mattila, J. Seppälä, I. Mäenpää and S. Koskela
- 5f2 *Environmental Taxes in Andalusia: A computable general equilibrium approach*
M. A. Cardenete, P. Fuentes and C. Polo
- 5f3 *How to assess the global environmental impacts caused by a national economy?*
J. Seppälä, S. Koskela, T. Mattila, M. Saarinen, A. Nissinen, I. Mäenpää, M. R. Korhonen, J. M. Katajajuuri, Y. Virtanen and J. Grönroos
- 5f4 *Impacts of taxes on oil use: a retrospective analysis for Turkey*
G. Günlük-Senesen and U. Senesen

17:00 - 19:00

Council meeting (Council members)

21:00 Conference Dinner (awarding of the best poster prize)



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Friday, 11th July

08:30 - 09:00 Registration

09:00 - 10:30 **Parallel sessions (6):**

6a Practical aspects of input-output: multipliers

Chair: L. de Mesnard

- 6a1 *A new kind of production multipliers to assess scale and structure impacts of final demand shocks in input-output frameworks*
J. C. Lopes, J. Dias and J. Ferreira do Amaral
- 6a2 *Econometric estimates of the Danish CO₂ emission multipliers on the basis of make and use tables*
José M. Rueda-Cantuche and A. F. Amores
- 6a3 *Economic impact and sectoral pollution effects in the Greek economy*
Ch. Tzimos

6b Sustainable consumption (II)

Chair: J. Roca

- 6b1 *Environmental impacts of European consumption and production patterns*
S. Moll, D. Watson, I. van de Sand, O. G. Pedersen and P. Kazmierczyk
- 6b2 *Crucial factors of GHG emissions evolution in the European Union: the influence of consumption patterns*
J. Sánchez-Chóliz, R. Duarte and A. J. Mainar
- 6b3 *Environmental impacts of alternative consumption patterns with their related income and price change*
K. Takase and Y. Kondo
- 6b4 *Atmospheric pollution and consumption patterns in Spain: an input-output approach*
J. Roca and M. Serrano

6c Methodological aspects of Input-Output (III)

Chair: M. L. Lahr

- 6c1 *Modeling the environmental impacts of Finnish imports using the EE-IO method and various data sources*
S. Koskela, I. Mäenpää, M. R. Korhonen, M. Saarinen and J. Seppälä
- 6c2 *Expanding extraction methods*
E. Dietzenbacher and M. L. Lahr
- 6c3 *Input-Output analysis: an impact study*
B. Los

6d Environmental multi-regional input-output modeling (II)

Chair: K. Turner

- 6d1 *GHG emissions in the global supply chain of food products*
J. Minx, G. Peters, T. Wiedmann and J. Barrett
- 6d2 *Do industries with emission constraints have legitimate competitiveness concerns?*
G. Peters
- 6d3 *Analysis of the sustainability of production chains with a multi-regional IO mode*
H. Wilting
- 6d4 *Notes on the construction of the UK-MRIO: methods, challenges and error estimate*
R. Wood, T. Wiedmann, J. Minx and M. Lenzen

6e Input-Output Economics and Network Theory (II)

Chair: S. Kagawa

- 6e1 *Triangularization of input-output table and material flow analysis*
Y. Kondo
- 6e2 *Feedback loops as a driver for dynamics in environmentally extended input-output based computational structure*
E. Settani and R. Heijungs
- 6e3 *A new approach to the selection of key sectors: net forward and net backward linkages*
J. Oosterhaven
- 6e4 *Synthesis and discussion*
S. Suh and S. Kagawa

6f Input-Output studies applied to Brazil

Chair: J. Ghilhoto

- 6f1 *The economic impacts, national and regional, of the 2008-2011 Brazilian Federal Government's Pluriannual Plan*
E. Domingues, J. B. S. Ferreira, J. Giesecke and J. M. Horridge
- 6f2 *Assessing the economic impacts of transportation infrastructure policies in Brazil*
E. Haddad, F. Perobelli, E. Domingues and M. Aguiar
- 6f3 *Model composition of cargo transportation and income inequality in Brazil*
C. R. Azzoni and J. Ghilhoto

10:30 - 11:00 Coffee break

Poster sessions (3):

- p19 *On the economic impact of the pipeline project between Russian and Germany*
H. Shcherbich
- p20 *Intraregional and interregional relationships among industries and institutional sectors*
M. Ciaschini, R. Pretaroli and C. Soggi
- p21 *Decomposition of total factor productivity growth in Malaysian manufacturing sector (1983-2000) within an input-output framework*
N. Sulaiman and A. Abdul Rashid
- p22 *The diagnosis key sectors of Iranian economy from employment point of view by input-output table*
F. Tarahomi
- p23 *Labour productivity difference in China 1987-1997: an interregional decomposition analysis*
L. Yang
- p24 *Structural change and income distribution across ethnic groups: a SAM decomposition approach*
M. Y. Saari, E. Dietzenbacher and B. Los
- p25 *Water efficiency scenario analysis based on input-output mode*
X. Zhang
- p26 *Input-output analysis in the environmental-economic accounting. Calculation of raw material equivalents*
S. Buyny
- p27 *Socio-economic impact assessment of CO₂ emissions reduction policies applying a rectangular input-output model of the Portuguese economy*
J. Marques, M. Marques and J. M. Martins

11:00 - 12:30 **Parallel sessions (7):**

7a Sustainable development: Energy (III)

Chair: M. A. Cardenete

- 7a1 *A CGE evaluation of the recent reforms in the electricity market in Turkey*
K. Ali Akkemik
- 7a2 *Economic and environment impacts of coal mining on small region in Indonesia*
M. H. Imansyah and L. Fatah
- 7a3 *Sequential decision-making in interdependent sectors with multiobjective inoperability decision trees: application to biofuel subsidy analysis*
J. Santos, K. Barker and P. Zelinke III
- 7a4 *Renewable energy in Austria: modeling possible development trends until 2020*
A. Stocker, A. Grossmann, R. Madlener and M. I. Wolter

7b Spatial input-output modeling

Chair: E. Fernández

- 7b1 *Structural analysis of Tehran province based on interregional input-output model*
F. Bazzazan, A. A. Banouei and M. Karami
- 7b2 *Polluting my neighbours: linking environmental accounts to a multi-regional input-output model for Italy*
S. Bertini and R. Paniccia
- 7b3 *Hybrid interregional input-output construction methods: applied to the seven region Spanish input-output table*
F. Escobedo and J. Oosterhaven
- 7b4 *The national and regional impacts of exports on value added in Austria*
N. Bayerl, O. Fritz, R. Hierländer and G. Streicher

7c SNA methods (organized by the Institute of Statistics of Andalusia)

Chair: N. Yamano

- 7c1 *Development of a time series of Australian input-output tables and greenhouse emissions*
R. Wood
- 7c2 *Compilation of regional input-output tables in Russia*
A. Sayapova and S. Slobodyanik
- 7c3 *Integrating the TSA and input-output methodology in tourism impact studies*
A. van de Steeg and A. E. Steenge

7d Sustainable development: Water (II)

Chair: V. Alcántara

- 7d1 *Effects of international trade on water consumption in Turkey: a static input-output analysis*
E. Tunali and O. Aydogus
- 7d2 *Application of village level input-output model for assessing ground water use efficiency*
S. K. Varghese and G. van Huylbroeck
- 7d3 *Input-output model for assessing the water footprint. The case of Spain*
C. Madrid, A. Y. Hoekstra and V. Alcántara

7e International trade and logistics (II)

Chair: J. Oosterhaven

- 7e1 *Environmental regulation and sectoral development*
T. ten Raa and V. Shestalova
- 7e2 *for non-G7 countries*
R. B. Castro Núñez
- 7e3 *International fragmentation, specialization and comparative advantage: an Asian-Pacific input-output approach*
M. C. Bouwmeester and J. Oosterhaven
- 7e4 *Vertical specialization in an intercountry input-output framework*
E. Dietzenbacher and B. Zhao

7f Input-Output modeling in policy making (III)

Chair: Ch. Lutz

- 7f1 *Growth linkages and policy reforms in a village economy in Ethiopia: an analysis of interactions using a social accounting framework*
T. F. Agaje
- 7f2 *The local economic impact of an island renewable energy project: a SAM-based analysis of the importance of ownership/revenue sharing*
G. Allan, P. McGregor, K. Swales and K. Turner
- 7f3 *Natural gas price shocks impact on industries in Ukraine*
T. Tyshchuk

12:30 - 13:30

Plenary session (3):

Foreign immigration and internal migration patterns: a decomposition analysis of inter-regional migration flows between the Spanish regions

E. Fernández, A. S. García and C. Ramos (University of Oviedo, Spain)

Chair: E. Dietzenbacher

13:30 - 14:00

Closing ceremony

President: J. Oosterhaven

14:00 - 15:30

Lunch break

15:30 - 17:00

Parallel courses:

PC1 SimSIP SAM: Policy Analysis under a SAM framework

Juan C. Parra and Q. Wodon

Georgetown University and the World Bank

PC2 Household Consumption Modeling in the Input-Output framework

Ignazio Mongelli and K. Kratena

Joint Research Centre's Institute for Prospective and Technological Studies (JRC-IPTS) of the European Commission and the Austrian Institute of Economic Research