

## **CURRICULUM VITAE**

Norihiko YAMANO

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### **EDUCATION**

- 1988-1992 University of Tsukuba, Department of Socio-economic planning BS in Socio-economic engineering
- 1992-1994 University of Tsukuba, Master program of management policy MA in Economics
- 2008- University of Illinois at Urbana Champaign, Doctoral program of Department of Urban and Regional Planning

### **ACADEMIC AND PROFESSIONAL POSITIONS HELD**

- Apr.1994-Mar.1998, Researcher, Socio-economic Research Center, Central Research Institute of Electric Power Industry.
- Apr.1998-Nov.2006, Senior Researcher, Socio-economic Research Center, Central Research Institute of Electric Power Industry.
- Jul.1999-Aug.2000, Visiting Scholar, Regional Economics Applications Laboratory, University of Illinois at Urbana-Champaign/FRB Chicago.
- May.2005-Aug.2006, Consultant, Directorate for Science, Technology and Industry, Organisation for Economic Co-operation and Development
- Jan.2007 - Present, Administrator, Directorate for Science, Technology and Industry, Organisation for Economic Co-operation and Development
- Sep.2008 - Present Regional Economics Applications Laboratory, University of Illinois at Urbana Champaign

### **PROFESSIONAL ACTIVITIES**

- EC FP7 CREEA, advisory group (2012-2014)
- EC FP7 WIOD, consortium member (2010-2012)
- EC FP6 EXIOPOL, advisory group (2010-2012)
- Development of Asian Interregional Input-Output Table, IDE-JETRO (2004-2005)
- Economic Workshop, Japan Electric Power Survey Committee (2002-2005 )

## **FIELDS OF SPECIALIZATION**

Interregional and International Input-output analysis

Regional/Urban and Public Economics,

Regional Modeling

Trade Analysis

## **PUBLICATIONS and PRESENTATIONS**

### **Reviewed Articles: \* primary**

M. Bussière, G. Callegari F. Ghironi, G. Sestieri, N. Yamano (2013), Estimating Trade Elasticities: Demand Composition and the Trade Collapse of 2008-09, *American Economic Journal Macro Economics*. AEA, July.

Meng,B., N. Yamano and C. Webb (2011), Application of Factor Decomposition Techniques to Vertical Specialisation Measurements, *Journal of Applied Input-Output Analysis*, vol.16.

Temurshoev,U., C. Webb and N. Yamano (2011), Projection of Supply and Use tables: methods and their empirical assessment, *Economic Systems Research*, vol.23, issue 1, pp. 91-123.

[\*] Yamano,N., Y.Kajitani and Y.Shumuta (2007) Modeling the Regional Economic Loss of Natural Disasters: Indirect Loss Diffusion due to the Electricity Disruptions and Interindustry Economic Activities, *Economic Systems Research* , vol. 19, issue 2, pp. 163-181.

[\*] Yamano, N.(2002), Effects of highways on Inter Regional Trade, *Denryokukeizaikenkyu* No. 47.

Shumuta, Y., Yamano,N. and Tatano,H. (2002) Modeling Business Interruption Loss due to the Earthquakes, *Earthquake Engineering Symposium*.

Ohkawara, T., Yamano,N. and Kim,Y. (2001) Public Investment and Regional Economy under Financial Reconstruction, *Denryokukeizaikenkyu* No. 45.

[\*] Yamano, N. and T. Ohkawara (2000), The Regional Allocation of Public Investment: Efficiency or Equity? *Journal of Regional Science*, Vol. 40, No. 2, pp. 205-229.

Ohkawara, T. and N. Yamano, (1995), Productivity of Public Capital: Affect on Regional Economy, *Denryokukeizaikenkyu* No. 34.

**Other papers and chapters: \* primary**

- [\*] Yamano.,N. (2013) OECD Inter-Country Input-Output (ICIO) Model and Policy implications. Eds. Xin,, Production Networks, Value-Added, and Trade Statistics, Tokyo: Asian Development Bank Institute
- Miroudot S, and Yamano, N. (2013) Trade in Value-Added:Concepts, Methodologies and Challenges. Eds. Mattoo., A., Wang. Z, and Wei. S, Trade in Value-Added: Developing New Measures of Cross-Border Trade, Washington: the World Bank.
- Inomata,S. Yamano,N. and Meng, B. (2013), Wish List for Modifying National Statistical Infrastructures for Improved International Input-Output Databases. Eds. Mattoo., A., Wang. Z, and Wei. S, Trade in Value-Added: Developing New Measures of Cross-Border Trade, Washington: the World Bank.
- Ahmad, N., Wang, Z. and Yamano,N. (2013), A Three Stage Optimization Method to Construct Time Series International Input-Output Database. Eds. Mattoo., A., Wang. Z, and Wei. S, Trade in Value-Added: Developing New Measures of Cross-Border Trade, Washington: the World Bank.
- [\*]Yamano.N. and C. Webb (2013), Chapter 22, Policy discussions using Inter-Country Input-Output (ICIO) Systems. Eds. Murray., J. and Lenzen., M. Sustainability Practitioner's Guide to Multi-Regional Input-Output Analysis, Champaign, IL: Common Ground Publishing.
- Meng, B., Y. Fang and N. Yamano (2012), Measuring Global Value Chains and Regional Economic Integration: An International Input-Output Approach, IDE Discussion Papers No. 362.
- [\*] Yamano.N, (2012), Impact of major disasters on global production: Potential use of bilateral trade in goods data by industry and end-use category, RSAI Newsletter.
- Yamano, N.(2012), On OECD I-O Database and Its Extension to ICIO Analysis, Frontiers of International Input-Output Analysis, Asian International Input-Output Series No. 80, Chiba: Institute of Developing Economies Japan External Trade Organization, March 2012.
- De Backer, K. and N. Yamano (2012), International Comparative Evidence on Global Value Chains, OECD STI Working Paper 2012/3.
- Zhu, S. and N. Yamano and A. Cimper (2011), Compilation of Bilateral Trade Database by Industry and End-Use Category, OECD STI Working Paper 2011/6.

- [\*] K. Fukasaku, B.Meng and N.Yamano (2011), Recent Developments in Asian Economic Integration: Measuring Indicators of Trade integration and Fragmentation, OECD STI Working Paper 2011/3.
- Meng,B., N. Yamano and C. Webb (2011), Application of Factor Decomposition Techniques to Vertical Specialisation Measurements, IDE JETRO Discussion paper.
- Bussière,M., G. Callegari F. Ghironi, G. Sestieri, N. Yamano (2011), Estimating Trade Elasticities:Demand Composition and the Trade Collapse of 2008-09, NBER Working paper, no. 17712.
- [\*]Yamano, N., B. Meng and K. Fukasaku (2011), Fragmentation and Changes in the Asian Trade Network, ERIA Research Brief, PB2011-01
- Turner, K. Norihiko Yamano, Angela Drukman, Soo Yung Ha, Janine De Fence, Stuart McIntyre and Max Munday (2011), An input-output carbon accounting tool with carbon footprints estimates for the UK and Scotland, Fraser of Allander economic commentary, Special Edition: Energy and Pollution, January 2011.
- Meng, B., N. Yamano and C. Webb (2010), Vertical specialisation indicator based on supply-driven input-output model, IDE JETRO Discussion paper no.270.
- Temurshoev,U., N. Yamano, and C. Webb (2010), Projection of Supply and Use tables: methods and their empirical assessment, WIOD Working Paper 2, January.
- [\*] Yamano,N. and Guo, D. (2009), Integrated European tables, IDE working paper.
- Guo, D., C. Webb and N. Yamano (2009), Towards harmonised bilateral trade data for inter-country input-output analyses: statistical issues to be considered, OECD STI Working Paper 2008/4.
- [\*] Nakano, S., Okamura,A., Sakurai, N., Suzuki,M., Tojo,Y., and Yamano,N.(2009), The measurement of CO2 embodiments in international trade: Evidence from the harmonised Input-Output and Bilateral trade database, OECD STI Working Paper 2009/3.
- Meng,B. S. Inomata and N. Yamano (2008), “Harmonized Input-Output Tables of European Countries: An Introduction and a Brief Survey”, in Satoshi. INOMATA and Hiroshi KUWAMORI eds., Compilation of the International Input-Output Table for the BRICs -A Feasibility Study-, Asian International Input-Output Series, No. 71, IDE-JETRO.
- Guo, D. and N. Yamano (2008), The analysis of major non-OECD countries’ global production integration, UN-WIDER working paper.
- Otsuka,A. and N.Yamano (2008), Industrial Agglomeration Effects on Regional Economic

- Growth: A Case of Japanese Regions, REAL Discussion paper.
- De Backer, K. and N. Yamano (2008), The Measurement of globalization using international input-output tables, OECD STI Working Paper 2007/8.
- [\*] Yamano, N. and N. Ahmad (2006) The OECD Input-Output Database: 2006 edition, OECD STI Working Paper 2006/8.
- Wixted, B., N. Yamano and C. Webb (2006) Input-Output Analysis in an Increasingly Globalised World: Applications of OECD's Harmonised International Tables, OECD STI Working Paper 2006/7
- [\*] Yamano, N. and Hitomi, K. The sensitivity of multiregional economic structure to exogenous changes, in *The state of the art in the regional and urban modeling*
- [\*] Yamano, N. and K. Hitomi (2005) The Sensitivity of Multiregional Economic Structure to Improved Interregional Accessibility, Regional Economics Applications Laboratory Discussion Paper, University of Illinois REAL 05-T-8.
- [\*] Yamano, N., Y. Kajitani and Y. Shumuta (2005) Estimating the economic impacts of natural disasters using the economic grid data and interregional input-output model, *Denryokukeizaikenkyu*.
- [\*] Yamano, N. (2005) Chapter 3, Modeling the International Trade Transactions and Trade Frictions, in Okamoto, N. and S. Inomata eds. International input-output – Asian Input-Output structure (IV), Institute of Developing Economies, JETRO.
- [\*] Yamano, N. (2004) Chapter 1. Population, in CRIEPI eds Earth Environment 2004, Energy Forum, Tokyo.
- [\*] Yamano, N. (2004) Chapter 7. Population Outlook, in Hattori eds. Japanese Economy: collapse or growth?, Yumani, Tokyo.
- [\*] Yamano, N., Y. Kajitani, and Y. Shumuta (2004), Modeling the Regional Economic Loss of Natural Disasters: Indirect Loss Diffusion due to the Electricity Disruptions and Interindustry Economic Activities, Regional Economics Applications Laboratory Discussion Paper, University of Illinois.
- Kajitani, Y., Y. Tatano, N. Yamano, and Y. Shumuta (2004), Economic Impact of Lifeline Disruptions after Natural Disasters – A Questionnaire Survey to Industries in Tokai Area-, CRIEPI Report U03061.
- Kajitani, Y., N. Yamano, and Y. Shumuta (2004), Analysis of Economic Recovery Process After an Earthquake Disaster, CRIEPI Report U03060.
- [\*] Yamano, N. and N. Sakurai (2004), The Effects of Aging Population on Regional Economy

- and Electricity Demand: Long-term Simulation Analysis to 2050, CRIEPI Report Y03018.
- [\*] Yamano, N. (2003), Japanese affiliate companies in Shanghai region, Denryokukeizaikenkyu.
- Naruka and N.Yamano (2003), Development of Regional Population Forecast Model 2003, CRIEPI Report Y03901.
- Ohkawara, T. and N. Yamano (2003), Productivity of Regional Public Capital: Specification of Flexible Production Function Form by Box-Cox Transformation, University of Osaka, Discussion paper.
- Karato,H., N. Yamano, and K. Hitomi (2002), Development of Interregional Input-Output Table for Electricity Supply Regions, CRIEPI Report.
- Asai, H., T. Ohkawara, and N. Yamano (2001), 'Regional Disparity of Labor Productivity in Manufacturing Sector',CRIEPI Report Y01001.
- [\*] Yamano, N. (2000), Spatial Dependence of Public Capital Productivity: Estimating the Spillovers in Japanese Prefectures, Regional Economics Applications Laboratory Discussion Paper 00-CR-1, University of Illinois Urbana Champaign.
- [\*] Yamano, N (1999), Development of a Regional Electricity Demand Model –Effects of Declining and Aging Population on Residential Electricity Demand-, CRIEPI Report Y99006.
- Ohkawara, T. and N. Yamano, Interregional Allocation of Public Investment, CRIEPI Report Y97003.
- [\*] Yamano, N. and T. Ohkawara, The Regional Allocation of Public Investment: Efficiency or Equity?, CCES Discussion Paper Series No. A-29, University of Kyoto.

**Presentations at professional societies and international meetings (as a speaker)**

- OECD Trade in value added, IIOA, Mexico City, June 2015
- Software, IIOA, Mexico City, June 2015
- Decomposing service value-added content of international trade, IIOA, Mexico City, June 2015
- Measuring Trade in STEEL: A TivA Perspective, *OECD 78<sup>th</sup> Session of the Steel Committee, May 2015* (with C. Webb)
- Measuring Trade in Second hand Goods: A focus on motor vehicles, Working Party on International Trade in Goods and Trade in Services Statistics, Paris, 24-26 March 2015.
- Current developments and future expansions of trade in Value-added project in OECD, San

Jose, Costa Rica, 27-28 November 2014

Development of Inter-Country Input-Output Model: Trade in Value-Added and Other Globalization Analysis, ISI Regional Statistics Conference, Sasana Kijang, Kuala Lumpur, 16-19 November 2014

Determinants of Trade in Value-added: Market size, Geography and Technological gaps, NARSC, Bethesda, November 2014 (with E. Nakazawa and C.Webb)

Development of Inter-country Input-Output Table for OECD-WTO TiVA indicators : practical solutions using available data sources, United Nations International Conference on the Measurement of Trade and Economic Globalization, Aguascalientes, 29 September – 1 October, 2014

Determinants of Trade in Value-added: Market size, Geography and Technological gaps, IIOA, Lisbon, July 2014 (with E. Nakazawa and C.Webb)

The OECD Inter-Country Input-Output (ICIO) database and the OECD/WTO project on trade in value added (TiVA), OECD *Working Party on Environmental Information (WPEI) International Expert Workshop Demand-based measures of material flows and carbon*, Paris, 2-3 July 2014

Carbon Dioxide Emissions Embodied in International Trade using OECD Inter-country I-O database, OECD *Working Party on Environmental Information (WPEI) International Expert Workshop Demand-based measures of material flows and carbon*, Paris, 2-3 July 2014

Development of Trade in Value-added indicators using global input-output model, APEC Public-Private Dialogue on Building Asia Pacific Partnership through Global Value Chains Collaboration, Senior Official Meeting2, Qingdao, May 2014

TiVA database and extension plan, OECD Committee on Industry, Innovation and Entrepreneurship, October 2013

Lessons learned from the OECD-WTO TiVA Project, OECD Workshop on Measuring Trade in Value-Added, Paris, December 2013

Re-measuring Comparative Advantage in Global Value Chains: An International Input-Output Approach, IIOA, Kitakyushu, July 2013 (with B. Meng)

Development of REAL I-O, International School of Input-Output Analysis (ISIOA), Kitakyushu, July 2013 (with G. Hewings)

Role of International Standards, EU-REAL Meeting, Badajoz, Spain October 2012 (with N. Ijiri and G. Miao)

Policy discussions using Inter-country Production Network System, Production Networks, Value-Added, and Trade Statistics Reforms, Peking University, Beijing, 25-26 September 2012

Carbon Dioxide Emissions Embodied in International Trade using OECD Inter-country I-O database, Green Low Carbon Economy, Legal and Economic Challenges for China-EU Relations, Halle, 20-21 August 2012

Policy discussions using ICIO system, IIOA, Bratislava, June 2012

Global Supply Chains and linkages with Services, SKEMA business school, June 2012

Global Supply Chains and linkages with Services, *APEC Committee of Trade and Investment, Facilitating Global Supply Chains and Enhancing SMEs' Participation in Global Production Chains, Kazan, May 2012*

Measuring structural changes in trade integration and production network, WIOD final conference, Groningen, 2012.04 (with C. Webb and G. Hewings)

On OECD I-O Database and Its Extension to ICIO Analysis, International Workshop on "Frontiers of International Input-Output Analyses", JETRO, Tokyo, January 2012

Structural changes in the Japanese Production Networks, NARSC, Miami, November 2011 (with G. Hewings).

Measuring global fragmentation indicators using harmonized international input-output database, IIOA, Alexandria, June 2011 (with B. Meng).

Worldbank, Washington DC, June 2011 , (with S. Miroudot)

Worldbank, Washington DC, June 2011 (with B. Meng)

Development of Bilateral Trade Database by Industry and by Enduse, WIOD Seville, May 2011 (with S. Zhu)

Development of REAL I-O, WIOD Seville, May 2011 (with G. Hewings)

Evolution of Production Network in Asia - Pacific and Rest of the World: Measuring Global Fragmentation Indicators, ERIA-OECD Seminar on Regional Integration in ASEAN and East Asia, Jakarta, January 2011 (with B. Meng)

Fragmentation and Changes in the Trade Network in Asia/Pacific and Rest of the World, NARSC, Denver, November 2010 (with B. Meng)

Regional Integration or Disintegration in the World Production Network?, World Input-Output Database Consortium Meeting, Vienna, June 2010

Measurement Biases in Conventional I-O Based Fragmentation Indicators, IIOA, Sydney, June 2010 (with B. Meng)



GHG Emissions Embodied in International Trade, Australian Bureau of Statistics, Sydney, June 2010

GHG Emission Embodied in International Trade, Cardiff, May 2010

The measurement of water resource embodied in International Trade, SHAPE, West Lafayette, April 2010 (with H. Fukuishi)

Towards multiproducts production model: analysis from harmonized multinational supply and use database, NARSC, San Francisco, November 2009.

Multiproducts production model: using harmonized multinational supply and use system and bilateral trade database, REAL 20<sup>th</sup> Conference, November 2009.

OECD Input-output Tables and Related Analytical Works, OECD Working Party on Industry Analysis, The Committee on Industry, Innovation and Entrepreneurship, Paris, October 2009.

OECD Working party on Globalisation, The Committee on Industry, Innovation and Entrepreneurship, Paris, September 2009

Globalization and Regional Integration: An Empirical Study of International Production Networks, WTO global forum, September 2009. (with B. Meng and S. Zhu)

The Analysis of Economic Linkage Using Harmonized World Input-Output and Bilateral Trade Database in Goods and Services, IIOA, Sao Paulo, July 2009. (with d.Guo)

Compilation Approach for European Aggregate Input-Output Table, IIOA, Sao Paulo, July 2009. (with D.Guo)

The measurement of CO2 embodiments in international trade, OECD Global forum of trade and environment, June 2009.

CO2 Emissions Embodied in International Trade in Goods: Consumption based v. production based emissions, The Asia-Pacific Journal of Accounting & Economics, City University of Hong Kong, May 2009.

The measurement of CO2 embodiments in international trade, COP14 side event, December 2008 (with Y. Tojo).

The measurement of CO2 embodiments in international trade, Regional Activity Centre for Cleaner Production, United Nations Development Programme, Barcelona, November 2008 (with Nakano et al).

OECD Input-output Tables, OECD working party on industry analysis, The Committee on Industry, Innovation and Entrepreneurship, Paris, October 2008.

Development of international harmonised industry-based patent statistics, Conference on

Patent Statistics for Policy Decision Making, Vienna , September 2008. (with T.Okazaki and G.Thoma)

Towards harmonised bilateral trade data for inter-country input-output analyses, United Nations University, Johannesburg, September 2008. (with D. Guo)

The measurement of CO2 embodiments in international trade: Evidence from the harmonised Input-Output and Bilateral trade database, IIOA, Seville, July 2008. (with Nakano et al.)

The measurement of CO2 embodiments in international trade, Conference on Climate Change and Official Statistics, United Nations Statistical Department, Oslo, April 2008.

Globalisation Measurement using International Input-output Tables, OECD working party on industry analysis, The Committee on Industry, Innovation and Entrepreneurship, Paris, 2007.11.

Development of the OECD Input-Output database 2006 edition and the Applications of Harmonised International Tables, IIOA, Istanbul, Turkey July 2007.

Globalisation Measurement using International Input-output Tables, IIOA, Istanbul, Turkey, July 2007. (with K.De Backer).

Development of the OECD Input-Output database 2006 edition, European Commission Research Directorate-General Workshop, March 2007.

Development of Chugoku Region Econometric Input-Output Model, Pan Pacific Association of Input-Output Studies, Ginowan, Japan, October 2006 (with T.Morioka and K.Kazumi)

THE OECD'S INPUT-OUTPUT DATABASE: 2006 EDITION, The International Association for Research in Income and Wealth, Joensuu, Finland, August 2006(with N.Ahmad)

The OECD input-output database harmonised tables for international analyses, IIOA, Sendai, Japan, July 2006 (with C. Webb)

Analysing global interactions with input-output tables, Israel Regional Science Association, Tel Aviv, Israel, May 2006.

Modeling the Regional Economic Loss of Natural Disasters: The Search for Economic Hotspots, NARSC, Las Vegas, USA, November 2005 (with Y.Kajitani and Y.Shumuta)

The sensitivity of multiregional economic structure to exogenous changes, IIOA, Beijing, China, June 2005 (with K. Hitomi).

Modeling the Regional Economic Loss of Natural Disasters: Indirect Loss Diffusion due to the Electricity Disruptions and Interindustry Economic Activities, ARSC, KitaKyushu, Fukuoka, December 2004 (with Y.Kajitani and Y.Shumuta)

Decomposition of Regional Disparity of Labor Productivity, NARSC, Seattle, USA, November

2004 (with T. Ohkawara)

The sensitivity of multiregional economic structure to exogenous changes, Workshop of *The state of the art in the regional and urban modeling*, Seville, Spain, October 2004 (with K. Hitomi).

Modeling the Regional Economic Loss of Natural Disasters: Indirect Loss Diffusion due to the Electricity Disruptions and Interindustry Economic Activities, Global Economic Modeling Network, Brussels, Belgium, September 2004 (with Y.Kajitani and Y.Shumuta)

Panel Analysis of Regional Public Capital -Estimation of Flexible Production Functional Form by Box-Cox Transformation-, NARSC, Philadelphia, PA, November 2003 (with Ohkawara)

Productivity of Regional Public Capital: Specification of Flexible Production Functional Form by Box-Cox Transformation, ARSC, Okayama, December 2002.

Productivity of Regional Public Capital: Non-homogeneous production functions by Box-Cox transformation, NARSC, San Juan, Puerto Rico, November 2002.

Measuring business interruption losses in electric power industry caused by an earthquake, Second Annual IIASA-DPRI Meeting: Integrated Disaster Risk Management: Mega city Vulnerability and Resilience (with Shumuta, Tohma and Tatano)

Measuring business interruption losses in electric power industry caused by an earthquake, Second Annual IIASA-DPRI Meeting: Integrated Disaster Risk Management: Megacity Vulnerability and Resilience, August 2002 (with Shumuta, Tohma, and Tatano).

The effect of Highway Openings on Interregional Economic Trade, Kansai Economic Research Center, March 2002.

Impacts of Future Interregional Highways on Regional Economies, NARSC, Charleston, USA, November 2001

Regional Disparity of Labor Productivity in Manufacturing Sector, ARSC, Sapporo 2001.11 (with Asai and Ohkawara)

Japanese Economic Association, Kunitachi, Tokyo 2001.10 (with Ohkawara and Kim)

Spatial Dependence of Public Capital Productivity: Estimating the Spillovers in Japanese Prefectures, ARSC, Tsukuba 2000.12

Comparative Analysis of Multiregional Economic Structure: -Japan and the US Midwest', NARSC, Chicago, USA, 2000.11 (with Hitomi, Ohkawara, Hewings, and Sonis)

Spatial Dependence of Public Capital Productivity, Mid-continent Regional Science Association, Milwaukee, USA 2000.06

Regional allocation of public investment (Efficiency or Equity?), NARSC, Montreal, Canada

1999.11 (with Ohkawara)

The allocation of public investment, ARSC, Higashi Osaka, 1998.12 (with Ohkawara).

The allocation of public investment, Japanese Economic Association at Kusatsu, Japan 1998.09  
(with Ohkawara),

The Regional Allocation of Public Investment, ARSC, Matsuyama, 1996.12 (with Ohkawara).

The Regional Allocation of Public Investment: Efficiency or Equity?, NARSC, Washington DC  
November 1996 (with T. Ohkawara).

The Regional Allocation of Public Investment, ARSC, Tokyo, Japan August 1995 (with T.  
Ohkawara).

IIOA: International Input-Output Association

NARSC: North American Regional Science Conference, Regional Science Association  
International

ARSC: Applied Regional Science Conference

### **Presentations at Workshops (as a speaker)**

Compilation of Economic Statistics in International Organization, Tsukuba University, Tsukuba,  
22 July, 2015

Development of TiVA indicators using Global input-output model, Tsukuba University, Tsukuba,  
22 July, 2015

Introduction of OECD TiVA Project, Bank of Japan, Tokyo, July 2015

Introduction of OECD TiVA Project, ESRI Cabinet office, Tokyo, July 2015

OECD TiVA, Nihon University, Tokyo, 20 July 2015

Development of TiVA indicators using Global input-output model, UK permanent delegation to  
OECD, Paris, December, 2014

TiVA, Norwegian permanent delegation to OECD, Paris, 3 July, 2014

TiVA, Luxembourg Statistics, Luxembourg, April 2014 (with C. Webb)

Asymmetries in bilateral trade in goods and services data, Chiba, IDE-JETRO, 21 May, 2014  
(with C. Webb)

Development of Inter-country input-output model: Trade in Value-Added and other globalisation  
analyses, Korea Development Institute, Sejong-si, 16 May 2014

Course: National to Inter-country Input-Output System, Department of Business, Innovation and

Skills, UK Government, April 2014

Lessons learned from the development of Global Input-Output system and Trade in Value-Added indicators, Global Value Chains, Trade and Development, Université Paris-Dauphin, 27 January 2014.

TiVA database and development methodology, OECD EDRC seminar, Paris, 18 September 2013

OECD Inter-Country Input-Output Model And Applications, Workshop at School of Economics, Zhejiang University, Hanzhou, 1 April 2013

Policy discussions using Inter-country input-output system, Workshop on the Application of Input-Output Techniques in International Trade Statistics, Beijing, 27-29 March 2013

Development of Analytical OECD Trade database, Chinese Academy of Science, Beijing, 26 September 2012

Policy discussions using Inter-country Production Network System, University of International Business and Economics, Beijing, 24 September 2012

Policy discussions using Inter-country Production Network System, State Information Center, Beijing, 24 September 2012

Measuring Structural Changes in Trade Integration and Production Network, College of Economics Seminar, Nihon University, 31 July 2012

Global Supply Chains and Linkages with Services, Kobe University, 27 July 2012

Impact of Major Disasters on Global Production: Potential Use of OECD Industrial Databases, Kyoto University, 26 July 2012

Policy discussions using Inter-country Production Network System, College of Economics, Nihon University, July 2012

Impact of major disasters on global production: Potential use of bilateral trade in goods data by industry and end-use category, REAL Seminar, University of Illinois, March 2012

Structural changes in the Japanese Production Networks, DSUP seminar, University of Illinois, November 2011

Structural changes in the Japanese Production Networks, REAL seminar, University of Illinois, November 2011

Development of OECD Bilateral Trade Database by Industry and by End-Use (BTDIxE), EU-REAL Workshop, Alghero, Italy, September 2011.

Fragmentation and Changes in the Trade Network: Policy Perspectives, DURP seminar, University of Illinois, November 2010. (with B. Meng)

Fragmentation and Changes in the Trade Network in Asia, REAL seminar, University of Illinois, 2010.11. (with B. Meng)

Fragmentation and Changes in the Trade Network in Europe and the Rest of the World, Chief economist seminar, DG Trade, European Commission, 2010.9.

Fragmentation and Changes in the Trade Network in Europe and the Rest of the World, , EU REAL workshop, Vienna, 2010.9.

International harmonized Input-Output Database and Related Analytical Works, Monetary Authority Singapore, 2010.6

Regional integration in Asian production network, ERIA workshop, Jakarta, 2010.6 (with B. Meng)

OECD Input-Output Database and related projects: statistical and analytical issues, GTAP, Purdue University, Indiana, 2010.4

OECD Input-output Tables and Related Analytical Works, EAS Seminar, OECD, Paris, 2009.10.

Globalization and Regional Integration: An Empirical Study of International Production Networks, University of Illinois, 2009.10. (with B. Meng and S. Zhu)

Interindustry/Intercountry database for Asian and OECD countries: Interindustry innovation spillovers, OECD, 2009.7.

The measurement of CO2 embodied in international trade: Evidence from the harmonised Input-Output and Bilateral trade database, DURP seminar, University of Illinois, 2008.10. (with Nakano et al.)

Statistical issues of bilateral trade database, Working Party on International Trade in Goods and Trade in Services Statistics, Paris, September 2008.

Towards harmonised bilateral trade data for inter-country input-output analyses: statistical issues to be considered, WIFO seminar, September 2008.

Development of international harmonised industry-based patent statistics, European REAL workshop 2008, Istanbul, September 2008.

CO2 emissions embodied in international trade in goods: evidence from OECD Input-Output tables, EAS Seminar, OECD, Paris, June 2008.

Development of international harmonised industry-based patent statistics, OECD workshop on patent name harmonization, Paris, March 2008.

Modeling the Regional Economic Loss of Natural Disasters: Indirect Loss Diffusion due to the Electricity Disruptions and Interindustry Economic Activities, Kyoto University, January 2005 (with Y.Kajitani and Y.Shumuta)

Economic modeling of lifeline utility and consumers under deregulated and competitive electricity market, REAL-CRIEPI Earthquake Workshop at Ohtemachi, February 2004.

Lifecycle Risk Management for Power Lifeline, EQTAP Symposium on Policy and Methodology for Urban Earthquake Disaster Management, Xiamen, November 2003.

Economic Impact Analysis of a Natural Disaster using CRIEPI Multiregional REIM and Interregional Transportation Model, REAL-CRIEPI Earthquake Workshop at Abiko, April 2003

REAL-CRIEPI Earthquake Workshop at Chicago, November 2002.

Estimates of Japanese Regional Trade Function, Workshop at Department of Geography, University of Illinois November 1999.

The regional allocation of public investment, Urban Economics Workshop, University of Tsukuba March 1999.

The regional allocation of public investment, Urban Economics Workshop, University of Tokyo.

The Regional Allocation of Public Investment: Efficiency or Equity? , Kyoto University January, 1998.