

January 13, 2016

Both in English and Japanese (日本語は角かっこ内に記載)

## CV [履歴]

Name [名前] ... Ken'ichi MATSUMOTO [松本健一]

Position [現職] ... Assistant Professor:

Department of Environmental Policy and Planning  
School of Environmental Science  
The University of Shiga Prefecture  
(and Division of Environmental Planning,  
Graduate School of Environmental Science)

International Research Associate: ESCP Europe

[滋賀県立大学環境科学部環境政策・計画学科助教  
(大学院環境科学研究科環境計画学専攻)

ESCP Europe ビジネススクール国際研究員]

Office [住所] ... 2500 Hassaka, Hikone, Shiga, 522-8533, Japan [〒522-8533 滋賀県彦根市八坂町 2500]

Phone [電話] ... +81(0)749-28-8278

Fax... +81(0)749-28-8348

Email... kenichimatsu [at] gmail.com / matsumoto.k [at] ses.usp.ac.jp

Date of Birth [誕生日] ... March 13, 1982 [1982年3月13日]

Place of Birth [出身地] ... Hyogo, Japan [兵庫県]

Sex [性別] ... Male [男]



## Education [学歴] ...

- School of Policy Studies, Kwansai Gakuin University (2000–2003) [関西学院大学総合政策学部 (2000年4月–2003年3月)・指導教員：久野武]
- Graduate School of Information, Production, and Systems, Waseda University (2003–2004) [Supervisor: Fukuya Ishino] [早稲田大学大学院情報生産システム研究科情報生産システム工学専攻 (2003年4月–2004年3月)・指導教員：石野福弥]
- Graduate School of Policy Studies, Kwansai Gakuin University (2004–2007) [Supervisor: Toyoo Fukuda] [関西学院大学大学院総合政策研究科総合政策専攻 (2004年4月–2007年3月)・指導教員：福田豊生]

## Degrees [学位] ...

- Ph.D. (Policy Studies) [博士 (総合政策) (関西学院大学)]
- MSc (Engineering) [修士 (工学) (早稲田大学)]

## Job History [職歴] ...

- JSPS Research Fellow DC2 (2006–2007) [日本学術振興会特別研究員 DC2 (2006年4月–2007年3月)]

January 13, 2016

Both in English and Japanese (日本語は角かっこ内に記載)

月)]

- JSPS Research Fellow PD (2007–2008) [日本学術振興会特別研究員 PD (2007年4月–2008年3月)]
- Researcher: School of Policy Studies, Kwansai Gakuin University (2007–2008) [関西学院大学総合政策学部受託研究員 (2007年4月–2008年3月)]
- NIES Post-doctoral Fellow: Center for Global Environmental Research, National Institute for Environmental Studies (2008–2011) [国立環境研究所地球環境研究センターNIES ポスドクフェロー (2008年4月–2011年3月)]
- Assistant Professor: School of Environmental Science, The University of Shiga Prefecture (2011–) [滋賀県立大学環境科学部助教 (2011年4月–)]
- Visiting Research Associate: London Metropolitan Business School, London Metropolitan University (2011–2013) [ロンドンメトロポリタン大学客員研究員 (2011年2月–2013年8月)]
- Senior Research Associate: ABM analytics (2011–2014) [ABM analytics Senior Research Associate (2011年10月–2014年12月)]
- International Research Associate: Research Centre for Energy Management, ESCP Europe (2014–) [ESCP Europe ビジネススクール国際研究員 (2014年9月–)]

#### Internship [インターンシップ] ...

- NTT Communication Science Laboratories (Knowledge Information Science Laboratory) (July-August, 2003) [Supervisor: Kazumi Saito and Naonori Ueda] [NTT コミュニケーション科学基礎研究所知能情報研究部創発学習研究グループ (2003年7–8月)・指導担当者: 斉藤和巳・上田修功]

#### Research Fund and Contracted Research [獲得研究費等] ...

<Grant-in-Aid for Scientific Research [科研費] >

- Grant-in-Aid for JSPS Fellows [Evaluation of GHG Emissions Trading and Carbon Tax Using a Multi-agent Model] PI (2006–2008) [科学研究費補助金特別研究員奨励費 06J04652/マルチエージェントモデルを用いた温室効果ガス排出権取引と炭素税の政策評価/研究代表者 (2006年4月–2008年3月)]
- Grant-in-Aid for Young Scientists (B) [Integrated Assessment of Energy Supply and Demand and Energy Resources Using an Agent-based Model] PI (2012–2015) [科学研究費補助金若手研究 B 24710046/エージェントベースモデルによる統合的なエネルギー需給・資源の将来シミュレーション/研究代表者 (2012年4月–2015年3月)]
- Grant-in-Aid for Scientific Research (A) [Green Innovation of Energy and Environmental Accounting for Sustainable Development in East Asia] Co-researcher (2013–2017) [科学研究費補助金基盤研究 A 25241030/東アジアの持続可能な発展のためのエネルギー・環境財政のグリーン改革/研究分担者 (2013年4月–2017年3月・2014年4月より参画)]
- Grant-in-Aid for Young Scientists (B) [Evaluation of Climate Change and Energy Issues from Security Using a Computable General Equilibrium Model] PI (2015–2018) [科学研究費補助金若手研究 B

15K16161/応用一般均衡モデルを基礎とした気候変動・エネルギー問題の安全保障の観点からの評価/研究代表者 (2015年4月-2018年3月)]

- Grant-in-Aid for Scientific Research (C) [Environmental and Economic Evaluation of Climate Change Measures by International Cooperation Based on the Experience of the Clean Development Mechanism] Co-researcher (2015-2018) [科学研究費補助金基盤研究C 15K00669/クリーン開発メカニズムの経験に基づく国際協力による温暖化対策の環境経済影響評価/研究分担者 (2015年4月-2018年3月)]

<Ministries [政府機関] >

- Program for Risk Information on Climate Change, MEXT [Climate Change Projection Contributing to Stabilization Target Setting] Co-researcher (2012-2017) [文部科学省気候変動リスク情報創生プログラム/安定化目標値設定に資する気候変動予測/研究分担者 (2012年9月-2017年3月)]
- Environment Research and Technology Development Fund (S14-5(5)), MOE [Research on Governance and Financing Mechanism for Effective Mitigation and Adaptation for Climate Change] Co-researcher (2015-2020) [環境省環境研究総合推進費戦略研究プロジェクト S14/テーマ5 サブテーマ5 気候変動に対する効果的な緩和と適応の実施に資するガバナンスと資金メカニズムに関する研究/研究協力者 (2015年6月-2020年3月)]

<Municipal governments [地方自治体] >

- Join Research Project on Review of the Basic Environmental Plan, Yasu-city. Co-researcher (2011-2012) [野洲市環境基本計画見直しにかかる共同研究事業/研究分担者 (2011年9月-2012年9月)]
- FY 2013 Conservation of the Reed Community, Omihachiman-city. Co-researcher (2013-2014) [平成25年度ヨシ群落保全創造業務/研究分担者 (2013年6月-2014年3月)]

<Research institutes [研究機関] >

- Reconstruction of Information Database for International Research Projects and Organizations, NIES-CGER. Co-researcher (2006-2007) [国立環境研究所地球環境研究センター/国際研究計画・機関情報(情報源情報データベース)の再構築/研究分担者 (2006年8月-2007年2月)]
- Reconstruction of Information Database for International Research Projects and Organizations, NIES-CGER. Co-researcher (2007-2008) [国立環境研究所地球環境研究センター/国際研究計画・機関情報/研究分担者(情報源情報データベース)の再構築 (2007年8月-2008年2月)]
- Development of Socioeconomic Scenarios toward Climate Stabilization Targets Using an Economic Model, JAMSTEC. PI (2012-) [海洋研究開発機構/経済モデルによる気候安定化目標に向けた社会経済シナリオの構築/研究代表者 (2012年4月-)]
- Incubation Study of Research Institute of Humanity and Nature. Co-researcher (2013-2014) [総合地球環境学研究所インキュベーション研究/伝統知と現代科学を組み合わせた地球環境問題対応策の提言: 地域および全球スケールでの試み/研究分担者 (2013年5月-2014年3月)]

<Private companies [企業] >

- Global Warming Mitigation Measures of SSPS (Space Solar Power System) Using a Global Warming

January 13, 2016

Both in English and Japanese (日本語は角かっこ内に記載)

Projection Model (from Mitsubishi Research Institute). Co-researcher (2004-2005) [地球温暖化予測モデルを用いた SSPS の温暖化抑止効果の検討 (三菱総合研究所) / 研究分担者 (2004年10月-2005年3月)]

- Development of Reference Cases for the Second Fundamental Plan for Establishing a Sound Material-Cycle Society, MOEJ (from Mitsubishi UFJ Research and Consulting). PI (2008) [環境省・新循環型社会形成推進基本計画の参考事例集作成 (三菱 UFJ リサーチ&コンサルティング) / 研究代表者 (2008年1月-3月)]

<Outside Japan [海外] >

- AVOID Programme, UK (2009-2012)

### **Awards [受賞歴] ...**

- Special Prize from The University of Shiga Prefecture (2014) [滋賀県立大学特別表彰 (2014年6月)]
- Special Prize from The University of Shiga Prefecture (2015) [滋賀県立大学特別表彰 (2015年6月)]

### **Area of Expertise [専門分野] ...**

- Environmental Policy and Economics, Energy Policy and Economics [環境政策・経済学、エネルギー政策・経済学]

### **Keywords of My Research [研究キーワード] ...**

- Climate change and policy, Energy, Global environmental issues, CGE model, Agent-based model [気候変動問題・政策、エネルギー、地球環境問題、応用一般均衡モデル、エージェントベースモデル]

### **Academic Society [所属学会] ...**

<Current [現在] >

- Society for Environmental Economics and Policy Studies [環境政策・経済学会]
- Japan Society of Energy and Resources [エネルギー・資源学会]
- Society of Environmental Science, Japan [環境科学会]
- International Association for Energy Economics

<Past [過去] >

- Japan Institute for Energy [日本エネルギー学会]
- Society of Project Management [プロジェクトマネジメント学会]
- International Centre for Sustainable Development of Energy, Water and Environment Systems

### **Board Member [学外委員会] ...**

- Environmental Council (Vice-chairman), Takashima-city, Shiga Prefecture (2012-) [高島市環境審議会副

会長 (2012年6月-)]

- Steering Committee of Environmental Center, Takashima-city, Shiga Prefecture (2014-) [高島市環境センター管理運営委員会委員 (2014年12月-)]
- Exploratory Committee for Environmental Center, Takashima-city, Shiga Prefecture (2015) [高島市環境センター在り方検討委員会委員 (2015年5月-12月)]

#### **Editorial Board [学術誌編集委員] ...**

- Environmental Science, Japan (2015-) [環境科学会誌 (2015年9月-)]
- Environmental System Committee of Japan Society of Civil Engineering (2015-) [土木学会環境システム委員会 (2015年4月-)]
- Global Security (Taylor & Francis, 2015-)

#### **Reviewer of Journals and Conference Papers [査読歴] ...**

- African Journal of Agricultural Research
- African Journal of Business Management
- Annual Conference of Global Economic Analysis
- Applied Energy
- Civil Engineering [土木学会誌]
- Climate Policy
- Climatic Change
- Computers & Operations Research
- Ecological Modelling
- Energy Economics
- Energy Journal
- Energy Policy
- Environmental Economics and Policy Studies
- Environmental Science [環境科学会誌]
- Global Environment Engineering Research [地球環境研究論文集]
- International Journal on Green Energy
- International Journal of Financial Engineering and Risk Management
- Journal of Energy Markets
- Journal of Environmental Management
- Journal of Global Environmental Research
- Journal of Japan Agricultural Systems [システム農学]
- Mitigation and Adaptation Strategies for Global Change
- Papers on Environmental Information Science [環境情報科学学術研究論文集]
- Simulation Modelling Practice and Theory
- Technological Forecasting and Social Change

January 13, 2016

Both in English and Japanese (日本語は角かっこ内に記載)

- Dubrovnik Conference on Sustainable Development of Energy, Water and Environment Systems
- International Association for Energy Economics, International Conference
- South East European Conference on Sustainable Development of Energy, Water and Environment Systems
- World Renewable Energy Congress

#### **Other Academic Activities [その他学術的活動] ...**

- Scientific Advisory Board of Dubrovnik Conference on Sustainable Development of Energy, Water and Environment Systems (2009-)
- External Referee of Academic Promotion Panel, London Metropolitan University (2013)
- Program Technical Committee of 3rd ScienceOne International Conference on Environmental Sciences (2013)
- Scientific Advisory Board of South East European Conference on Sustainable Development of Energy, Water and Environment Systems (2013-)
- Member of Environmental System Committee of Japan Society of Civil Engineering (2015-) [土木学会環境システム委員会委員 (2015年4月-)]
- Member of Editorial Board (Environmental System Committee of Japan Society of Civil Engineering) (2015-) [土木学会環境システム委員会論文編集小委員会委員 (2015年4月-)]
- Scientific Committee of 8th International Scientific Conference on Energy and Climate Change (2015-)

#### **Other Activities [その他活動] ...**

- Lecture on CGE Modeling at the AIM Workshop, National Institute for Environmental Studies (2008, 2009) [国立環境研究所 AIM トレーニングワークショップ CGE モデル講師 (2008年8月・2009年8月)]
- Expert Reviewer for Research Fund of National Center of Science and Technology Evaluation, Ministry of Education and Science, Republic of Kazakhstan (2011-)
- Reviewer of Mid-term Evaluation of DECC's Avoiding Dangerous Climate Change (AVOID) Programme (2012)
- Steering Committee of Program for Risk Information on Climate Change B: Climate Change Projection Contributing to Stabilization Target Setting (2012-) [気候変動リスク情報創生プログラムテーマ B 「安定化目標値設定に資する気候変動予測」運営委員会委員 (2012年-)]
- Lecture on CGE Modeling at Research Group for East Asia Environmental Policy Studies, Ryukoku University (2013) [東アジア環境政策研究会 E3 モデリング講習会 CGE モデル講師 (2013年8月29-30日、9コマ)]

#### **Lectures (grade) [担当講義 (学年, 担当年)] ...**

<Undergraduate [学部] >

- Applied Statistics I (2) [応用統計学 I (2, 2011年-)]
- Environmental Information System (2) [環境情報演習 (2, 2011年-)]

January 13, 2016

Both in English and Japanese (日本語は角かっこ内に記載)

- Global Environmental System (2) [地球環境システム論 (2, 2011 年-)]
- Field Work II (2) [環境フィールドワーク II (2, 2015 年-)]
- Human Discovery (1) [人間探求学 (1, 2011 年-)]
- Policy Making and Institution Seminar (1) [政策形成・施設演習 (1, 2011 年-)]
- Policy and Planning Basic Seminar I-II (2) [政策計画基礎演習 I-II (2, 2013 年-)]
- Policy and Planning Seminar I-IV (3-4) [政策計画演習 I-IV (3-4, 2011 年-)]
- Graduation Thesis Studies (4) [卒業研究 (4, 2011 年-)]
  
- Practice in Social Research (3) [社会調査実習 (3, 2011-2014 年)]
- Field Work I (2) [環境フィールドワーク I (1, 2011-2014 年)]

<Graduate school [大学院] >

- Environmental Policy Formation Process (M) [環境政策形成過程論 (院, 2011 年-)]
- Advanced Studies in Environmental and Architectural Planning III-IV (M) [環境計画学特別演習 III-IV (院)]
- Master Thesis in Environmental and Architectural Planning I-II (M) [環境計画学特別研究 I-II (院)]

<Part-time lectures [非常勤講師] >

- Environment, Energy, and Economy (Kobe University) [環境・エネルギー・経済論 (神戸大学海事科学部, 2014 年-)]

**Others [その他] ...**

- Lecture on Basic Lifesaving (January 25, 2012) [普通救命講習 II 講師 (2012 年 1 月 25 日)]
- Lecture on Basic Lifesaving (December 17, 2012) [普通救命講習 I 講師 (2012 年 12 月 17 日)]
- Lecture on Basic Lifesaving (January 9, 2014) [普通救命講習 I 講師 (2014 年 1 月 9 日)]
- Lecture on Basic Lifesaving (February 5, 2015) [普通救命講習 I 講師 (2015 年 2 月 5 日)]

**Profiles in Other Websites [その他ウェブサイト等のプロフィール] ...**

- [Profile@Department \(Japanese\)](#)
- [Profile@University \(Japanese\)](#)
- [Profile@J-Global \(Japanese/English\)](#)
- [Profile@RCEM, ESCP Europe](#)
- [Profile@ResearchGate](#)

## Publications [研究業績]

### Papers (peer-reviewed) [査読付き論文]

1. Matsumoto, K., Tachiiri, K., and Kawamiya, M. (2016) Impact of Climate Model Uncertainties on Socioeconomics: a Case Study with a Medium Mitigation Scenario. *Computers & Operations Research* 66, 374-383 [[dx.doi.org/10.1016/j.cor.2015.01.011](https://doi.org/10.1016/j.cor.2015.01.011)].
2. Matsumoto, K. and Andriopoulos, K. (2016) Energy Security in East Asia under Climate Mitigation Scenarios in the 21st Century. *Omega* 59, 60-71 [[dx.doi.org/10.1016/j.omega.2014.11.010](https://doi.org/10.1016/j.omega.2014.11.010)].
3. Matsumoto, K. (2015) Energy Structure and Energy Security under Climate Mitigation Scenarios in China. *PLoS ONE* 10(12), e0144884 [[dx.doi.org/10.1371/journal.pone.0144884](https://doi.org/10.1371/journal.pone.0144884)].
4. Matsumoto, K. and Voudouris, V. (2015) Potential Impact of Unconventional Oil Resources on Major Oil-producing Countries: Scenario Analysis with the ACEGES Model. *Natural Resources Research* 24(1), 107-119 [[dx.doi.org/10.1007/s11053-014-9246-8](https://doi.org/10.1007/s11053-014-9246-8)].
5. Nakata, S. and Matsumoto, K. (2014) Effect of Subsidies on Introducing Residential Photovoltaic Systems. *Journal of JSCE Ser. G (Environmental Research)* 70(5), I\_121-I\_128 (in Japanese). [中田沙羅・松本健一 (2014) 住宅用太陽光発電システム導入に対する補助金制度の有効性の実証研究. 土木学会論文集 G (環境) 70(5). I\_121-I\_128.]
6. Voudouris, V., Matsumoto, K., Sedgwick, J., Rigby, R., Stasinopoulos, D., and Jefferson, M. (2014) Exploring the Production of Natural Gas through the Lenses of the ACEGES Model. *Energy Policy* 64, 124-133 [[dx.doi.org/10.1016/j.enpol.2013.08.053](https://doi.org/10.1016/j.enpol.2013.08.053)].
7. Matsumoto, K. and Nakajima, M. (2013) Household Waste Reduction Effect of Sorted Collection of Recyclable Waste in Japan. *Journal of Environmental Science and Engineering B* 2(3), 135-141.
8. Okagawa, A., Masui, T., Akashi, O., Hijioka, Y., Matsumoto, K., and Kainuma, M. (2012) Assessment of GHG Emission Reduction Pathways in a Society without Carbon Capture and Nuclear Technologies. *Energy Economics*, 34(S3), 391-398 [[dx.doi.org/10.1016/j.eneco.2012.07.011](https://doi.org/10.1016/j.eneco.2012.07.011)].
9. Matsumoto, K. (2012) Economic Implications of CO<sub>2</sub> Emission Reduction in Japan Applying a Dynamic CGE Model with Endogenous Technological Change: Use of Emission Permit Revenue. *Journal of Environmental Science and Engineering B* 1(8), 945-956.
10. Matsumoto, K., Voudouris, V., Stasinopoulos, D., Rigby, R., and Di Maio, C. (2012) Exploring Crude Oil Production and Export Capacity of the OPEC Middle East Countries. *Energy Policy* 48, 820-828 [[dx.doi.org/10.1016/j.enpol.2012.06.027](https://doi.org/10.1016/j.enpol.2012.06.027)].
11. Matsumoto, K. (2011) Economic Analysis of CO<sub>2</sub> Emission Abatement Applying a Dynamic CGE Model with Endogenous Technological Change: Impacts of the Time Horizon. *Journal of Environmental Science and Engineering* 5(11), 1454-1463.
12. Masui, T., Matsumoto, K., Hijioka, Y., Kinoshita, T., Nozawa, T., Ishiwatari, S., Kato, E., Shukla, P.R., Yamagata, Y., and Kainuma, M. (2011) An Emission Pathway for Stabilization at 6Wm<sup>-2</sup> Radiative Forcing. *Climatic Change* 109(1-2), 59-76 [[dx.doi.org/10.1007/s10584-011-0150-5](https://doi.org/10.1007/s10584-011-0150-5)].
13. Meinshausen, M., Smith, S.J., Calvin, K.V., Daniel, J.S., Kainuma, M., Lamarque, J.-F., Matsumoto, K., Montzka, S.A., Raper, S.C.B., Riahi, K., Thomson, A.M., Velders G.J.M., and van Vuuren, D. (2011) The RCP Greenhouse Gas Concentrations and their Extension from 1765 to 2300. *Climatic Change* 109(1-2),



- 213–241 [[dx.doi.org/10.1007/s10584-011-0156-z](https://doi.org/10.1007/s10584-011-0156-z)].
14. Matsumoto, K. and Masui, T. (2011) Economic Impacts to Avoid Dangerous Climate Change Using the AIM/CGE Model. *Procedia Environmental Sciences* 6, 162–168 [[dx.doi.org/10.1016/j.proenv.2011.05.017](https://doi.org/10.1016/j.proenv.2011.05.017)].
  15. Matsumoto, K. (2011) Analyzing Economic Impacts of CO<sub>2</sub> Abatement and R&D Promotion in Japan Applying a Dynamic CGE Model with Endogenous Technological Change. *Journal of Global Environment Engineering* 16, 25–33.
  16. Matsumoto, K. and Masui, T. (2011) Analyzing Long-term Impacts of Carbon Tax Based on the Imputed Price Applying the AIM/CGE Model. *Management of Environmental Quality* 22(1), 33–47 [[dx.doi.org/10.1108/14777831111098462](https://doi.org/10.1108/14777831111098462)].
  17. Matsumoto, K. (2010) Economic Analysis on a Climate Change Measure Applying a CGE Model Considering Endogenous Technological Change: Targeting Japanese Economy. *Global Environment Engineering Research* 18, 53–61 (in Japanese). [松本健一 (2010) 内生的技術変化を考慮した動学的応用一般均衡モデルによる気候変動対策の経済分析：日本経済を対象として. 地球環境研究論文集 18, 53–61.]
  18. Matsumoto, K. and Masui, T. (2010) Economic Implication of Avoiding Dangerous Climate Change: An Analysis Using the AIM/CGE[Global] Model. *Journal of Environmental Science and Engineering* 4(7), 76–83.
  19. Matsumoto, K. and Masui, T. (2009) Mid-term Dynamic Effects of Carbon Tax Based on the Imputed Price of Carbon. *Environmental Science* 22(6), 391–400.
  20. Matsumoto, K. (2008) Evaluation of an Artificial Market Approach for GHG Emissions Trading Analysis. *Simulation Modelling Practice and Theory* 16(9), 1312–1322 [[dx.doi.org/10.1016/j.simpat.2008.06.010](https://doi.org/10.1016/j.simpat.2008.06.010)].
  21. Matsumoto, K. (2008) Introduction of the Carbon Tax Based on the Imputed Price of Carbon for the Post Kyoto Protocol Scenario. *International Journal of Green Energy* 5(4), 241–254 [[dx.doi.org/10.1080/15435070802229134](https://doi.org/10.1080/15435070802229134)].
  22. Matsumoto, K. (2007) Analysis of CO<sub>2</sub> Emissions Trading Considering the Kyoto Protocol Using a Multi-agent Model. *Journal of Policy Studies* 26, 11–18.
  23. Matsumoto, K. and Fukuda, T. (2006) Influences on International Competitiveness and CO<sub>2</sub> Emissions Reduction due to the Environmental Tax Reduction and Exemption for Energy-Intensive Industries. *Environmental Science* 19(6), 527–534 (in Japanese). [松本健一・福田豊生 (2006) エネルギー集約産業に対する環境税減免の国際競争力・CO<sub>2</sub>排出削減への影響. 環境科学会誌 19(6), 527–534.]
  24. Matsumoto, K. and Fukuda, T. (2006) Environmental and Economic Analyses of the Carbon Tax Based on the Imputed Price Using Applied General Equilibrium Model: Taxation on the Upper Industrial Sectors. *Environmental Economics and Policy Studies* 8(1), 89–102.
  25. Matsumoto, K. (2006) Environmental and Economic Analyses of the Carbon Tax Based on the Imputed Price of Carbon. *Journal of Policy Studies* 23, 41–52 (in Japanese). [松本健一 (2006) 炭素の帰属価格に基づく炭素税の環境・経済分析. 総合政策研究 23, 41–52.]
  26. Matsumoto, K. and Fukuda, T. (2006) Environmental and Economic Analyses of the Carbon Tax Based on the Imputed Price Using Applied General Equilibrium Model: Taxation on All Industrial Sectors. *Environmental Science* 19(2), 89–98 (in Japanese). [松本健一・福田豊生 (2006) 応用一般均衡分析を用いた帰属価格に基づく炭素税の環境・経済分析：全産業部門への課税. 環境科学会誌 19(2), 89–

98.]

27. Matsumoto, K. and Ishino, F. (2004) Social Project and Asynchronous Communication -Concerning Electric Power Risk Provision Project-. Journal of the Society of Project Management 6(4), 33-38 (in Japanese). [松本健一・石野福弥 (2004) 社会的プロジェクトと非同期コミュニケーションー電力リスク対策プロジェクトを例にー. プロジェクトマネジメント学会誌 6(4), 33-38.]

### Papers (working papers and non-peer-reviewed papers) [査読無し論文]

1. Morita, K. and Matsumoto, K. (2015) Synergy Potential among Climate Change Mitigation, Adaptation, and Biodiversity and Ecosystem Conservation in the Forest Sector. Journal of Environmental Indicators 9, 46-47 [Link].
2. Matsumoto, K., Tachiiri, K., and Kawamiya, M. (2015) Evaluating Multiple Emission Pathways for a Fixed Cumulative CO<sub>2</sub> Emission from Socioeconomic Perspectives. USAEE/IAEE Working Paper Series 15-221 [Link].
3. Matsumoto, K. (2015) Climate Stabilization Targets and Socioeconomic Scenario Analysis. Environmental Information Science 44(1), 25-29 (in Japanese). [松本健一 (2015) 気候安定化目標と社会経済シナリオ分析. 環境情報科学 44(1), 7-11.]
4. Matsumoto, K., Tachiiri, K., and Kawamiya, M. (2014) Socioeconomic Analysis of Various Emission Pathways Considering the Uncertainties of Earth System Models. USAEE/IAEE Working Paper Series 14-158 [Link].
5. Matsumoto, K., Voudouris, V., and Andriopoulos, K. (2014) Unconventional Oil: Will it Satisfy Future Global Oil Demand? USAEE/IAEE Working Paper Series 14-156 [Link].
6. Matsumoto, K. (2012) Energy Structure and Energy Security under Climate Change Mitigation Scenarios. Journal of Policy Studies 40, 89-94 (in Japanese). [松本健一 (2012) 気候変動対策シナリオにおけるエネルギー構成とエネルギー安全保障. 総合政策研究 40, 89-94.] [Link]
7. Voudouris, V., Matsumoto, K., Rigby, R., and Stasinopoulos, D. (2011) Exploring the Production of Natural Gas Using ACEGES. CIBS Working Paper Series 23 [Link].
8. Matsumoto, K. (2008) A Carbon Tax Based on the Imputed Price of Carbon for the Post-Kyoto. Journal of Policy Studies 30, 139-150 (in Japanese). [松本健一 (2008) ポスト京都議定書における帰属炭素税. 総合政策研究 30, 139-150.] [Link]
9. Matsumoto, K. (2005) Comparative Analysis of Green House Gases Emissions Trading Markets. Kwansai Gakuin Policy Studies Review 4, 1-13 (in Japanese). [松本健一 (2005) 温室効果ガス排出権取引市場の比較分析. Kwansai Gakuin Policy Studies Review 4, 1-13.]

### Books [書籍]

1. Matsumoto, K. and Gao, A.M.Z. (eds.) (2015) Economic Instruments to Combat Climate Change in Asian Countries. Kluwer Law International, Alphen aan den Rijn, 212p [Link].

### Book chapters (peer-reviewed) [査読付き書籍の分担執筆]

1. Lee, S., Liu, X., Matsumoto, K., Na, S., and Chen, L. (2015) Energy Systems and Environmental Policy in East Asia. In: Lee, S., Pollitt, H., and Park, S. (eds.) Low-carbon, Sustainable Future in East Asia. 1-28,

- Routledge, London [[Link for book](#)].
2. Ogawa, Y., Mercure, J.F., Lee, S., Pollitt, H., Matsumoto, K., and Chiashi, A. (2015) Modeling the Power Sector in East Asia: Economic and Environmental Impacts of the Choices of Power Sources. In: Lee, S., Pollitt, H., and Park, S. (eds.) Low-carbon, Sustainable Future in East Asia. 63-72, Routledge, London [[Link for book](#)].
  3. Matsumoto, K. (2015) Energy Structure and Energy Security under Climate Mitigation Scenarios in East Asia. In: Lee, S., Pollitt, H., and Park, S. (eds.) Low-carbon, Sustainable Future in East Asia. 106-117, Routledge, London [[Link for book](#)].
  4. Morita, K. and Matsumoto, K. (2015) Enhancing Biodiversity Co-benefits of Adaptation to Climate Change. In: Leal, W. (ed.) Handbook of Climate Change Adaptation. 953-972, Springer, Berlin [[dx.doi.org/10.1007/978-3-642-38670-1\\_21](https://doi.org/10.1007/978-3-642-38670-1_21)].
  5. Morita, K. and Matsumoto, K. (2015) Financing Adaptation to Climate Change in Developing Countries. In: Leal, W. (ed.) Handbook of Climate Change Adaptation. 983-1005, Springer, Berlin [[dx.doi.org/10.1007/978-3-642-38670-1\\_22](https://doi.org/10.1007/978-3-642-38670-1_22)].
  6. Matsumoto, K. and Gao, A.M.Z. (2015) Using Economic Instruments for Combating Climate Change in Asia. In: Matsumoto, K. and Gao, A.M.Z. (eds.) Economic Instruments to Combat Climate Change in Asian Countries. 1-6, Kluwer Law International, Alphen aan den Rijn.
  7. Morita, K. and Matsumoto, K. (2015) Tax for Climate Change Mitigation in Japan. In: Matsumoto, K. and Gao, A.M.Z. (eds.) Economic Instruments to Combat Climate Change in Asian Countries. 7-24, Kluwer Law International, Alphen aan den Rijn.
  8. Gao, A.M.Z. and Matsumoto, K. (2015) Conclusion: The Unusual Pace in Addressing Climate Change in Asia. In: Matsumoto, K. and Gao, A.M.Z. (eds.) Economic Instruments to Combat Climate Change in Asian Countries. 195-197, Kluwer Law International, Alphen aan den Rijn.
  9. Morita, K. and Matsumoto, K. (2014) Renewable Energy-Related Policies and Institutions in Japan: Before and after the Fukushima Nuclear Accident and the Feed-In Tariff Introduction. In: Gao, A.M.Z. and Fan, C.T. (eds.) Legal Issues of Renewable Electricity in Asia Region: Recent Development at a Post-Fukushima and Post-Kyoto Protocol Era. 3-28, Kluwer Law International, Alphen aan den Rijn [[Link for chapter](#), [Link for book](#)].
  10. Matsumoto, K. (2013) Change in Energy Structure and Energy Security under Climate Mitigation Scenarios. In: Leal, W. and Voudouris, V. (eds.) Global Energy Policy and Security. 45-57, Springer, London [[dx.doi.org/10.1007/978-1-4471-5286-6\\_4](https://doi.org/10.1007/978-1-4471-5286-6_4)].

### Book chapters (others) [その他書籍の分担執筆]

1. Matsumoto, K., (2015) How to Create Figures and Tables. In: Environmental Fieldwork Research Group, The University of Shiga Prefecture (ed.) Textbook for Fieldwork. 88-90, Sunrise Publication, Hikone (in Japanese). [松本健一 (2015) 図表の作り方 (コラム4) . 滋賀県立大学環境フィールドワーク研究会編『フィールドワーク心得帖 [新版]』88-90, サンライズ出版.]
2. Matsumoto, K., Akashi, O., Hanaoka, T., and Masui, T. (2014) Climate Mitigation Model. In: Center for Global Environmental Research, National Institute for Environmental Studies (ed.) Encyclopedia of Climate Change. 298-302, Maruzen, Tokyo (in Japanese). [松本健一・明石修・花岡達也・増井利彦 (2014)

温暖化対策モデル. 国立環境研究所地球環境研究センター編『地球温暖化の事典』 298-302, 丸善出版.] [\[Link\]](#)

### Conference Proceedings (including peer-reviewed) [学会プロシーディングス・発表 (査読付き含む)]

1. [Matsumoto, K.](#) (2016) Historical Energy Security Performance in Japan. 32nd Conference on Energy, Economy, and Environment: Tokyo, Japan (in Japanese). [[松本健一](#) (2016) 日本におけるエネルギー安全保障パフォーマンスの変化. 第32回エネルギーシステム・経済・環境コンファレンス: 砂防会館.]
2. Tachiiri, K., Hajima, T., [Matsumoto, K.](#), Silva, D., Watanabe, S., and Kawamiya M. (2016) Earth System Models and Treatment of Land Use: toward Linkage with Integrated Assessment Models. 32nd Conference on Energy, Economy, and Environment: Tokyo, Japan (in Japanese). [[立入郁](#)・[羽島知洋](#)・[松本健一](#)・[Diego Silva Herran](#)・[渡辺真吾](#)・[河宮未知生](#) (2016) 地球システムモデルと土地利用の取扱い〜社会経済モデルとの連携に向けて. 第32回エネルギーシステム・経済・環境コンファレンス: 砂防会館.]
3. Silva, D., Tachiiri, K., and [Matsumoto, K.](#) (2015) Energy Consumption under RCP4.5 Mitigation Scenario Using Economic Models. Poster Session. 2015 Fall Meeting of Meteorological Society of Japan: Kyoto Terrsa, Japan.
4. Morita, K. and [Matsumoto, K.](#) (2015) Synergy Potential among Climate Change Mitigation, Adaptation, and Biodiversity and Ecosystem Conservation in the Forest Sector. 21st International Conference on Environmental Indicators: Windsor, Canada.
5. [Matsumoto, K.](#) (2015) Climate Change Measures and Energy Security in Japan. 34th Research Conference of Energy and Resources: Tokyo, Japan (in Japanese). [[松本健一](#) (2015) 気候変動対策とエネルギー安全保障: 日本を対象として. 第34回エネルギー・資源学会研究発表会: 砂防会館.]
6. [Matsumoto, K.](#), Tachiiri, K., and Kawamiya, M. (2015) Evaluating Multiple Emission Pathways for Fixed Cumulative CO<sub>2</sub> Emissions from Socioeconomic Perspectives IAEE International Conference 2015: Antalya, Turkey.
7. [Matsumoto, K.](#) (2014) Energy Structure and Energy Security under Climate Mitigation Scenarios in China. 4th IAEE Asian Conference: Beijing, China.
8. Nakata, S. and [Matsumoto, K.](#) (2014) Effect of Subsidies on Introducing Residential Photovoltaic Systems. 22nd Symposium on Global Environmental Research: Tokyo, Japan (in Japanese). [[中田沙羅](#)・[松本健一](#) (2014) 住宅用太陽光発電システム導入に対する補助金制度の有効性の実証研究. 第22回地球環境シンポジウム: 中央大学.]
9. [Matsumoto, K.](#), Tachiiri, K., and Kawamiya, M. (2014) Evaluating Different Emission Pathways for Fixed Cumulative CO<sub>2</sub> Emissions in the 21st Century. 53rd Meeting of the EWGCFM and 2nd International Conference of the RCEM: Chania, Greece.
10. [Matsumoto, K.](#) and Tachiiri, K. (2014) Integration of Climate and Economic Modeling Studies. Japan Geoscience Union Meeting 2014: Pacifico Yokohama, Japan.
11. [Matsumoto, K.](#), Voudouris, V., and Andriosopoulos, K. (2014) Unconventional Oil: Will it Satisfy Future Global Oil Demand? ICCM 2014-International Conference on Commodity Markets: Paris, France.
12. [Matsumoto, K.](#) and Morita, K. (2013) Adaptation Financing in Developing Countries in the Asian Region.

- Annual Conference of Society for Environmental Economics and Policy Studies 2013: Kobe University, Japan.
13. Morita, K. and Matsumoto, K. (2013) Institutional Linkages for Ecosystem-Based Adaptation. Annual Conference of Society for Environmental Economics and Policy Studies 2013: Kobe University, Japan.
  14. Morita, K. and Matsumoto, K. (2013) Japan's Feed in Tariff Effective in 2012, and its Implementation in the post-Fukushima Era. International Joint Conference on Changing Energy Law and Policy in Asia Region: Hsinchu, Taiwan, *Invited*.
  15. Matsumoto, K., Tachiiri, K., and Kawamiya, M. (2013) Socioeconomic Impacts to Achieve a Certain Radiative Forcing Level Considering Uncertainties of ESMs. IAEE International Conference 2013: Daegu, Korea.
  16. Matsumoto, K. and Voudouris, V. (2013) Potential Impacts of Unconventional Oil Resources on Major Oil Producing Countries -Scenario Analysis by the ACEGES Model-. 32nd Conference of Japan Society of Energy and Resources: Tokyo, Japan.
  17. Matsumoto, K., Voudouris, V., and Andriopoulos, K. (2013) Potential Impacts of Unconventional Resources on Energy Markets. 51st Meeting of the Euro Working Group on Financial Modelling/1st Conference of the Research Centre for Energy Management: London, UK.
  18. Tachiiri, K., Matsumoto, K., and Kawamiya, M. (2013) Information Gathering and Examination on Socio-economic Scenarios toward Stabilization Target Setting. 2013 Spring Meeting of Meteorological Society of Japan: National Olympics Memorial Youth Center, Japan (in Japanese). [立入郁・松本健一・河宮未知生 (2013) 安定化目標値設定に向けた社会経済シナリオに関する検討・情報収集. 日本気象学会 2013 年度春季大会 : 国立オリンピック記念青少年総合センター.]
  19. Voudouris, V. and Matsumoto, K. (2012) The ACEGES Laboratory for Energy Policy. IIASA 40th Anniversary Conference: Laxenburg, Austria.
  20. Matsumoto, K. and Voudouris, V. (2012) Scenario Analysis of Future Natural Gas Production Using an Agent-based Model 'ACEGES'. IAEE International Conference 2012: Perth, Australia.
  21. Matsumoto, K. (2011) The AIM/CGE [Global] Model: Representative Concentration Pathways Analysis for the IPCC 5th Assessment Report. 3rd CIBS Annual Conference: London, UK.
  22. Matsumoto, K. (2011) Exploring the Future of Global Natural Gas Production Using ACEGES. 3rd CIBS Annual Conference: London, UK.
  23. Matsumoto, K. (2010) Analyzing a Climate Change Policy Using a Dynamic CGE Model with Endogenous Technological Change: Tax Revenue for Subsidies on R&D Investment. Annual Conference of Society for Environmental Economics and Policy Studies 2010: Nagoya University, Japan.
  24. Matsumoto, K. and Okagawa, A. (2010) Analysis of Economic and Environmental Impacts of CO<sub>2</sub> Abatement in Japan Applying a CGE Model with Knowledge Investment. International Conference on Economic Modeling 2010: Istanbul, Turkey.
  25. Warren, R., Arnell, N., Berry, P., Brown, S., Dicks, L., Gosling, S., Hankin, R., Hope, C., Lowe, J., Matsumoto, K., Masui, T., Nicholls, R., O'Hanley, J., Osborn, T., Scirecru, S. (2010) AVOID Work Stream One. Earth System Science 2010: Edinburgh, UK.
  26. Matsumoto, K. and Masui, T. (2010) Economic Impacts to Avoid Dangerous Climate Change Using the AIM/CGE Model. Earth System Science 2010: Edinburgh, UK.

27. Warren, R. and the AVOID-WS1 Team (2010) Key Conclusions from AVOID Work Stream One. European Geosciences Union General Assembly 2010: Vienne, Austria.
28. Matsumoto, K. and Masui, T. (2010) An Economic Aspect of the AVOID Programme: Analysis Using the AIM/CGE Model. European Geosciences Union General Assembly 2010: Vienne, Austria.
29. Matsumoto, K. and Masui, T. (2009) Long-term Dynamic Effects of Carbon Tax Based on the Imputed Price of Carbon. 5th Dubrovnik Conference on Sustainable Development of Energy, Water and Environment Systems: Dubrovnik, Croatia.
30. Matsumoto, K. and Masui, T. (2009) Mid-term Dynamic Effects of Carbon Tax Based on the Imputed Price of Carbon. Annual Conference of Society of Environmental Science 2009: Hokkaido University, Japan.
31. Matsumoto, K. and Masui, T. (2009) Short-term Dynamic Effects of Carbon Tax Based on the Imputed Price of Carbon. Annual Conference of Society for Environmental Economics and Policy Studies 2009: Chiba University, Japan.
32. Matsumoto, K. (2008) Application of an Artificial Market Approach for Emissions Trading Analysis: Evaluation of the Model. Annual Conference of Society for Environmental Economics and Policy Studies 2008: Osaka University, Japan (in Japanese). [松本健一 (2008) 温室効果ガス排出権取引分析への人工市場アプローチの適用—モデルの評価—. 環境経済・政策学会 2008年大会: 大阪大学.]
33. Matsumoto, K. (2008) International Emissions Trading as a Climate Change Policy Considering a Fine: An Analysis Applying a Multi-agent Model. International Conference on Policy Modeling 2008: Berlin, Germany.
34. Matsumoto, K. (2007) Analysis of International Emissions Trading When Speculators Participate Using a Multi-agent Model. Annual Conference of Society for Environmental Economics and Policy Studies 2007: Shiga University, Japan.
35. Matsumoto, K. (2007) Analysis of International Emissions Trading Considering Worldwide Participation Using a Multi-Agent Simulation Model. Annual Conference of Society of Environmental Science 2007: Nagasaki University, Japan.
36. Matsumoto, K. (2007) A Multi-Agent Model to Analyze CO<sub>2</sub> Emissions Trading. International Conference on Energy and Environmental Modeling 2007: Moscow, Russia.
37. Matsumoto, K. (2007) Analysis of International Emissions Trading System Applying Multi-Agent Model -Considering the Kyoto Protocol-. International Conference on Energy and Environmental Modeling 2007: Moscow, Russia.
38. Matsumoto, K. (2007) Potential Role of Developing Countries on the International Climate Change Policy from the Viewpoint of Participation. International Conference on Energy and Environmental Modeling 2007: Moscow, Russia.
39. Matsumoto, K. (2007) Introduction of the Carbon Tax Based on the Imputed Price of Carbon for the Post Kyoto Protocol Scenario. 3rd International Green Energy Conference: Malardalen University, Sweden.
40. Matsumoto, K. (2007) Quantitative Analysis of the Monopolistic Power of Economies in Transition in the International Emissions Trading. Tenth Annual Conference on Global Economic Analysis: Purdue University, USA.
41. Matsumoto, K. (2006) China's Potential Roles on Climate Change Measures -Concept of Multi-Agent Model-, Annual Conference of Society for Environmental Economics and Policy Studies 2006: Kyoto,

Japan.

42. Matsumoto, K. and Fukuda, T. (2006) Influences on International Competitiveness and CO<sub>2</sub> Emissions Reduction due to the Environmental Tax Reduction and Exemption for Energy-Intensive Industries. Annual Conference of Society of Environmental Science 2006: Sophia University, Japan (in Japanese). [松本健一・福田豊生 (2006) エネルギー集約産業に対する環境税減免の国際競争力・CO<sub>2</sub> 排出削減への影響. 環境科学会 2006 年会 : 上智大学.]
43. Matsumoto, K. and Fukuda, T. (2006) Analysis of the Effects of the Carbon Taxes Based on Imputed Price of Carbon. International Conference on Policy Modeling 2006: Hong Kong.
44. Matsumoto, K. (2005) Analysis of the Carbon Tax Based on the Imputed Price Using Applied General Equilibrium Model -Taxation on All Industrial Sectors-. Annual Conference of Society for Environmental Economics and Policy Studies 2005: Waseda University, Japan (in Japanese). [松本健一 (2005) 応用一般均衡分析による帰属価格の概念に基づく炭素税の効果分析. 環境経済・政策学会 2005 年大会 : 早稲田大学.]
45. Matsumoto, K. (2005) Environmental and Economic Analyses Concerning the Carbon Tax Based on the Imputed Price: Taxation on the Upper Industries. Annual Conference of Society of Environmental Science 2005: Nagoya University, Japan (in Japanese). [松本健一 (2005) 帰属価格に基づく炭素税に関する環境・経済分析 : 上流部門に対する課税. 環境科学会 2005 年会 : 名古屋大学.]
46. Matsumoto, K. and Fukuda, T. (2005) Comparative Analysis of Greenhouse Gases Emissions Trading Markets. 6th Policy Messe: Kwansai Gakuin University, Japan (in Japanese). [松本健一・福田豊生 (2005) 温室効果ガス排出権取引市場の比較分析. 政策分析ネットワーク第 6 回政策メッセ : 関西学院大学.]
47. Matsumoto, K., Ishino, F., and Sasaki, H. (2004) Some Considerations on Electric Power Risk. 33rd International Conference on Computers and Industrial Engineering: Jeju, Korea.
48. Sasaki, H., Matsumoto, K., Noguti, K., Hayashi, I., and Kawasaki, K. (2004) The Value Decreasing Patterns of PCs, Used Cars, and Drinks. 33rd International Conference on Computers and Industrial Engineering: Jeju, Korea.
49. Ishino, F., Sasaki, H., and Matsumoto, K. (2004) SCM Considering Product Value Diminish by Time. 33rd International Conference on Computers and Industrial Engineering: Jeju, Korea.

#### **Other Presentations (*Italic: invited*)** [その他発表 (イタリックは招待発表)]

1. Matsumoto, K. (2015) *Energy Security under Climate Mitigation. Symposium: Toward Sustainable Low-carbon Economy in East Asia: Nagoya University, Japan, Invited.* [松本健一 (2015) 気候変動対策下でのエネルギー安全保障 : CGE モデルを用いた分析. 東アジアの持続可能な低炭素経済に向けて - エネルギーシステム、エネルギー税制、政策協調のあり方 - : 名古屋大学.]
2. Matsumoto, K. (2015) *Cumulative Carbon Emissions, and economy and energy. Research Institute for the Environment and Trade (RIET) Workshop: Waseda University, Japan, Invited.*
3. Matsumoto, K. (2015) *Climate Mitigation Scenarios and Energy Security. Research Seminar on Environment & Trade: Kyoto Sangyo University, Japan, Invited.* [松本健一 (2015) 気候変動対策とエネルギー安全保障 : RCP シナリオを用いた分析. 環境と貿易研究所研究会 : 京都産業大学.]
4. Matsumoto, K. (2014) *Evaluating Multiple Emission Pathways for Fixed Cumulative CO<sub>2</sub> Emissions from*

- Socioeconomic Perspectives. International Workshop on Risk Information on Climate Change: Japan Agency for Marine-earth Science and Technology, Japan, Invited.*
5. Matsumoto, K. (2014) *Energy Structure and Energy Security under Climate Mitigation Scenario: Focusing on East Asia. Symposium on Choice of Energy and Environmental Policy in East Asia: Nagoya University, Japan, Invited.* [松本健一 (2014) 気候緩和シナリオ下のエネルギー構成・安全保障: 東アジアを対象として. シンポジウム「東アジアのエネルギー・環境政策選択」: 名古屋大学.]
  6. Matsumoto, K. (2014) *Integration of ESM and IAM Studies. International Workshop on Climate System Modeling: Climate 2014: Honolulu, US.*
  7. Matsumoto, K. (2014) *Analysis of Energy Scenarios and Policy. 1st Research Meeting on Energy Policy: Keio University, Japan, Invited.* [松本健一 (2014) エネルギーシナリオ・政策の分析. 第1回エネルギー政策研究会: 慶應義塾大学.]
  8. Matsumoto, K. (2013) *Mongolian Economy in the Global Society. RIHN IS Workshop: Research Institute for Humanity and Nature, Japan.* [松本健一 (2013) 地球の中のモンゴル経済: 気候変動緩和策の社会経済的評価の構想. 地球研 IS「伝統知と現代科学の融合による地球温暖化対応策の提言: 地域および全球スケールでの試み」研究会「モンゴル地域研究: これまでの成果と残された課題(その1)」: 総合地球環境学研究所.]
  9. Matsumoto, K. (2013) *Thinking Environment from a Comprehensive View, plus Computable General Equilibrium Model. The 8th Meeting of the Institute of Life Cycle Assessment, Japan: Ritsumeikan University, Japan, Invited.* [松本健一 (2013) 環境を総合的な視点から考える、そして応用一般均衡モデル. 第8回日本LCA学会研究発表会学生交流ネットワークセミナー: 立命館大学.]
  10. Voudouris, V. and Matsumoto, K. (2013) *Description of the ACEGES Model. Analysis of Future Oil Supply Prospects: London, UK, Invited.*
  11. Matsumoto, K. (2012) *Understanding Markets via an Agent-based Modelling Approach. Workshop on Modelling Carbon Prices – Interacting agent networks & Strategies under Risk: Potsdam, Germany (Panel Discussion), Invited.*
  12. Matsumoto, K. (2012) *Application of an Artificial Market Approach to Carbon Market Analysis. Workshop on Modelling Carbon Prices – Interacting agent networks & Strategies under Risk: Potsdam, Germany, Invited.*
  13. Matsumoto, K. (2011) *The AIM/CGE [Global] Model for Climate Change Scenarios. STORM Seminar: London Metropolitan University, UK, Invited.*
  14. Matsumoto, K. (2011) *Economic Implications of Avoiding Dangerous Climate Change. Rokko Forum: Kobe University, Japan (in Japanese), Invited.*
  15. Matsumoto, K. (2011) *RCP6: An Emission Pathway for Stabilization of Radiative Forcing by 2100 and its Socioeconomic Impacts. 3rd International Workshop on Global Change Projection: Modeling, Intercomparison, and Impact Assessment jointly with 4th International Workshop on KAKUSHIN Program: Epochal Tsukuba, Japan, Invited.*
  16. Masui, T., Okagawa, A., Matsumoto, K., Fujimori, S., and Dai, H. (2011) *AIM/CGE for Global and Country Analysis. 16th AIM International Workshop: National Institute for Environmental Studies, Japan.*
  17. Matsumoto, K. (2010) *Regional and Spatial Analysis on 3E under a Constraint on Radiative Forcing: Integrated Assessment Using Economic, Land-use, and Ecosystem Models. 15th AIM International*



Workshop: National Institute for Environmental Studies, Japan.

18. Matsumoto, K. (2009) Energy Mix Change and Energy Security Improvement through Climate Change Mitigation: Analysis of the RCP Cases. Joint TERI-ETSAP Workshop: New Delhi, India.
19. Matsumoto, K. (2009) *The Pathway to Achieve 6W/m<sup>2</sup> Stabilization of Radiative Forcing in 2100*. Center for the Environment and Trade Research 2nd Workshop (Computable General Equilibrium Analysis of Climate and Trade Policy): Sophia University, Japan, Invited.
20. Masui, T., Matsumoto, K., Hijioka, Y., Kinoshita, T., and Ishiwatari, S. (2009) Emission Pathway for 6W/m<sup>2</sup>. IAMC Meeting: Tsukuba, Japan.
21. Matsumoto, K. (2009) The AIM/CGE [Global] Model -The Dynamic Structure-. AIM Training Workshop 2009: National Institute for Environmental Studies, Japan.
22. Matsumoto, K. (2009) The AIM/CGE [Global] Model -The Basic Structure and Dataset-. AIM Training Workshop 2009: National Institute for Environmental Studies, Japan.
23. Matsumoto, K. (2009) *Scenarios toward the Next IPCC Assessment Report*. IR3S-Tyndall Centre Joint Symposium: Norwich, UK, Invited.
24. Matsumoto, K. (2009) International Transition Scenario -Results of AIM-. Energy Modeling Forum Study 22: Transition Policy Subgroup Meeting: Maryland, USA.
25. Matsumoto, K. (2009) GHG Mitigation Potentials and Costs in World Regions in 2020 -Contribution of AIM to GHG Mitigation Target in 2020 in Japan-. International Costs Assessment Workshop: Maryland, USA.
26. Matsumoto, K. (2009) Outline of Global Modeling and AIM Results of Representative Concentration Pathway. 14th AIM International Workshop: National Institute for Environmental Studies, Japan.
27. Matsumoto, K. (2008) Explanation of GAMS Code of Dynamic Global CGE Model. AIM Training Workshop 2008: National Institute for Environmental Studies, Japan.
28. Matsumoto, K. (2008) Basic Structure of Global CGE Model and Dataset. AIM Training Workshop 2008: National Institute for Environmental Studies, Japan.
29. Matsumoto, K. (2008) *Application of Multi-agent Models for Emissions Trading Analysis*. Expert Workshop: Towards the Next Generation of Climate Policy Models: Berlin, Germany, Invited.
30. Matsumoto, K. (2007) *Our Roles toward "Sustainable Development"*. North American Week 2007: Kobe University (Panel Discussion, in Japanese), Invited. [松本健一 (2007) 「持続可能な開発」のための私たちの役割. 北米Week2007: 神戸大学 (パネルディスカッション) .]
31. Matsumoto, K. (2007) Analysis on Emissions Trading Systems Applying a Multi-agent Model. 21st Workshop on Sustainability: Kwansai Gakuin University, Japan (in Japanese). [松本健一 (2007) マルチエージェントモデルを用いた排出権取引制度の分析. 第21回持続可能性研究会: 関西学院大学.]
32. Matsumoto, K. (2004) A Study on GHG Emissions Trading Market. 13th Workshop on Sustainability: Kwansai Gakuin University, Japan (in Japanese). [松本健一 (2004) 温室効果ガス排出権取引市場の比較分析. 第13回持続可能性研究会: 関西学院大学.]

## Reports [報告書]

1. Matsumoto, K. (2015) Development of Socioeconomic Scenarios toward a Climate Stabilization Target Using an economic model. In Japan Agency for Marine-Earth Science and Technology (Ed.) FY 2014

- Report of the Program for Risk Information on Climate Change, 84-88 (in Japanese). [松本健一 (2015) 経済モデルによる気候安定化目標に向けた社会経済シナリオの構築. 海洋研究開発機構編. 気候変動リスク情報創生プログラム「安定化目標値設定に資する気候変動予測及び気候変動研究の推進・連携体制の構築」平成 26 年度研究成果報告書, 84-88.]
2. Matsumoto, K. (2014) Development of Socioeconomic Scenarios toward a Climate Stabilization Target Using an economic model. In Japan Agency for Marine-Earth Science and Technology (Ed.) FY 2013 Report of the Program for Risk Information on Climate Change, 52-56 (in Japanese). [松本健一 (2014) 経済モデルによる気候安定化目標に向けた社会経済シナリオの構築. 海洋研究開発機構編. 気候変動リスク情報創生プログラム「安定化目標値設定に資する気候変動予測及び気候変動研究の推進・連携体制の構築」平成 25 年度研究成果報告書, 52-56.]
  3. Department of Environmental Policy and Planning, School of Environmental Science, The University of Shiga Prefecture (2014) Report on Conservation of the Reed Community, Omihachiman-city (in Japanese). [滋賀県立大学環境科学部環境政策・計画学科 (2014) 近江八幡市ヨシ群落保全創造業務委託報告書.]
  4. Matsumoto, K. (2013) Development of Socioeconomic Scenarios toward a Climate Stabilization Target Using a CGE model. In Japan Agency for Marine-Earth Science and Technology (Ed.) FY 2012 Report of the Program for Risk Information on Climate Change, 47-50 (in Japanese). [松本健一 (2013) 経済モデルによる気候安定化目標に向けた社会経済シナリオの構築. 海洋研究開発機構編. 気候変動リスク情報創生プログラム「安定化目標値設定に資する気候変動予測及び気候変動研究の推進・連携体制の構築」平成 24 年度研究成果報告書, 47-50.]
  5. Department of Environmental Policy and Planning, School of Environmental Science, The University of Shiga Prefecture (2012) Midterm Review of the Basic Environmental Plan, Yasu-city (in Japanese). [滋賀県立大学環境科学部環境政策・計画学科 (2012) 野洲市環境基本計画中間見直し業務報告書.]
  6. Warren, R., Arnell, N., Berry, P., Brown, S., Dicks, L., Gosling, S., Hankin, R., Hope, C., Lowe, J., Matsumoto, K., Masui, T., Nicholls, R. O'Hanley, J., Osborn, T., and Srieckru, S. (2010) The Economics and Climate Change Impacts of Various Greenhouse Gas Emission Pathways and a Comparison between Base Line and Policy Emissions Scenarios. AVOID Reports WS1D3R01.

### Newspaper articles [新聞記事]

1. Asahi Simbun p.19 (December 21, 2014) To the world: Lessons from Hanshi-Awaji Great Earthquake (in Japanese). [朝日新聞 (大阪) 朝刊生活 1 面 19 ページ (2004 年 12 月 21 日) 震災の教訓、世界に (忘れない 阪神大震災から 10 年) .]
2. Kobe Simbun p.10 (December 26, 2014) Translating a report on Hanshi-Awaji Great Earthquake to English (in Japanese). [神戸新聞朝刊 10 面 (2004 年 12 月 26 日) 大震災検証の報告書英訳.]

### Editorial and others [総説・解説]

1. Matsumoto, K. (2015) Meaning of collaborating with Foreign Researchers. Annual Report of The School of Environmental Science, The University of Shiga Prefecture 19, 17-19 (in Japanese). [松本健一 (2015) 海外の研究者と共同研究することの意味. 滋賀県立大学環境科学部年報 19, 17-19 .]
2. Matsumoto, K. (2014) What I experienced in Windsor, Canada. USP-DEPP Column.

- <http://depp-usp.com/archives/2152> (August 12, 2015) (in Japanese) [松本健一 (2014) カナダ・ウィンザーで見たもの. 滋賀県立大学環境科学部環境政策・計画学科コラム (2015年8月12日).]
3. Matsumoto, K. (2015) Energy toward 2030 in Japan. RCEM: Views on Energy News. <http://www.rcem.eu/posts/2015/may/21/energy-toward-2030-in-japan.aspx> (May 21, 2015).
  4. Matsumoto, K. (2015) Climate Change Mitigation and Energy Security in East Asia. RCEM: Views on Energy News. <http://www.rcem.eu/posts/2015/february/23/climate-change-mitigation-and-energy-security-in-east-asia.aspx> (February 23, 2015).
  5. Matsumoto, K. (2014) A Recent Issue on Feed-in Tariff by Kyushu Electric Power Company. RCEM: Views on Energy News. <http://www.rcem.eu/posts/2014/october/15/a-recent-issue-on-feed-in-tariff-by-kyushu-electric-power-company.aspx> (October 15, 2014).
  6. Matsumoto, K. (2014) The fate of International Climate Change Policy. USP-DEPP Column. <http://depp-usp.com/archives/1455> (December 16, 2014) (in Japanese) [松本健一 (2014) 国際的な気候変動対策のゆくえ. 滋賀県立大学環境科学部環境政策・計画学科コラム (2014年12月16日).]
  7. Matsumoto, K. (2013) International Education and Research of the School of Environmental Science toward Sustainable Development, The University of Shiga Prefecture. Annual Report of The School of Environmental Science, The University of Shiga Prefecture 17, 23-25 (in Japanese). [松本健一 (2013) 持続可能な発展に向けた環境科学部の国際的教育・研究. 滋賀県立大学環境科学部年報 17, 23-25.]
  8. Matsumoto, K. (2012) Taking a Comprehensive View of Environmental Studies. Annual Report of The School of Environmental Science, The University of Shiga Prefecture 16, 57-58 (in Japanese). [松本健一 (2012) 総合的な視点から環境学を考える. 滋賀県立大学環境科学部年報 16, 57-58.]

### Press release [記者発表]

1. How can the Uncertainty in Earth System Affect Socioeconomic Conditions? Press release from Japan Agency for Marine-Earth Science and Technology (April 8, 2015; in Japanese). [地球システムの応答にみられる不確実性は経済にどれほど影響するか (海洋研究開発機構より、2015年4月8日) [http://www.jamstec.go.jp/j/about/press\\_release/20150408/](http://www.jamstec.go.jp/j/about/press_release/20150408/).]

### Thesis [学位論文]

1. Doctoral Thesis: A Study on the International Climate Change Policy for the Post Kyoto Protocol -An Analysis of the Carbon Tax Based on the Imputed Price of Carbon Considering Participation of Developing Countries and Economies in Transition in the Policy- (in Japanese, Kwansei Gakuin University; March, 2007). [博士論文: ポスト京都議定書に向けた国際的気候変動政策に関する研究—経済移行国・発展途上国の参加を考慮した帰属炭素税の導入効果の分析— (関西学院大学, 2007年3月).]
2. Master Thesis: The Best Mix of Power Sources for the Minimum CO<sub>2</sub> in 2010 Japan, and the Electric Power Risk Management for the Mix (Waseda University; March, 2004). [修士論文: The Best Mix of Power Sources for the Minimum CO<sub>2</sub> in 2010 Japan, and the Electric Power Risk Management for the Mix (早稲田大学, 2004年3月).]