



References

- Al-Amin, Abul Quasem, Siwar Chamhuri, and Hamid Abdul. "Computable General Equilibrium Techniques for Carbon Tax Modeling." *American Journal of Environmental Sciene*, 2009.
- Galindev, Ragchaasuren, Tsolmon Baatarzorig, Munkh-Ireedui Bayarjargal, Nasantogtokh Nyamdorj, Telmen Tur, and Tuvshintugs Batdelger. "A Static CGE Model of the Mongolian Economy." *SSRN*, 2016.
- McGregor, Peter, Kim, Patrizio Lecca, and Grant Allan. "The economic and environmental impact of a carbon tax for Scotland: A computable general equilibrium analysis." *Ecological Economy*, 2014.
- Othman, Jamal, and Masoud Yahoo. "Carbon and energy taxation for CO2 mitigation: a CGE model of the Malaysia." *Environment, Development and Sustainability: A Multidisciplinary Approach to the Theory and Practice of Sustainable Development*, 2017: 239-262.
- (IMF), International Monetary Fund. *Fiscal Monitor: How to Mitigate Climate Change*. Publication Services, Washington, DC: International Monetary Fund, 2019.
- n.d.
- 2014-2016 Work Plan, INTOSAI Working Group on Environmental Auditing.*
INTOSAI, 2013.
- Abbas Mardani, Dalia Streimikiene, Fausto Cavallaro, Nanthakumar Loganathan, Masoumeh Khoshnoudi. "Carbon dioxide (CO2) emissions and economic growth: A systematic review of two decades of research from 1995 to 2017." *Science of The Total Environment*, 2019: 31-49.
- Acheampong, Alex O. "Economic growth, CO2 emissions and energy consumption: What causes what and where?" *Energy Economics* , 2018: 677-692.
- Alton, T, C. Arndt, R. Davies , and F. Hartley. "The economic implications of introducing carbon taxes in South Africa." *WIDER Working Paper*, 2016.
- Ang, James B. "CO2emissions, energy consumption, and output in France." *Energy Policy*, 2007: 4772–4778.
- Armington, Paul S. "A Theory of Demand for Products Distinguished by Place of Production." *Palgrave Macmillan Journals and International Monetary Fund*, 1969: 159-178.



- Aydin, Levent. "The Possible Macroeconomic and Sectoral Impacts of Carbon Taxation on Turkey's Economy: A Computable General Equilibrium Analyses." *Energy & Environment*, 2018: 1-17.
- Ayu, Putri. "The Impact of Carbon Tax Application on the Economy and Environment of Indonesia." *European Journal of Economics and Business Studies*, 2018.
- Beeler, Carolyn. *Why 2020 is a key year for climate action*. September 17, 2019.
<https://www.pri.org/stories/2019-09-17/why-2020-key-year-climate-action>.
- Bi, Huimin, Hao Xiao, and Kejuan Sun. "The Impact of Carbon Market and Carbon Tax on Green Growth Pathway in China: A Dynamic CGE Model Approach." *Emerging Market Finance & Trade*, 2018: 1312-1325.
- Calderon, Silvia, et al. "Achieving CO₂ reductions in Colombia: Effects of carbon taxes and abatement targets." *Journal of Energy Econ.* Vol. 56, 2016: 576-586.
- Carbon Tax Center. *What's a carbon tax?* 2017.
<https://www.carbontax.org/whats-a-carbon-tax/> (accessed May 2020).
- Climate Transparency. *Brown to Green: The G20 Transition To a Low-Carbon Economy*. Report, Indonesia: Climate Transparency, 2018.
- Computable General Equilibrium modelling: introduction*. June 6, 2016.
<https://www.gov.scot/publications/cge-modelling-introduction/> (accessed May 29, 2020).
- Darsih, Kuntari, and Tri Widodo. "Indonesia's Commitment to Reducing GHG and Its Impact on the Indonesian Economy: CGE Approach." *Munich Personal Repec Archive*, 2019.
- Data and Statistics*. March 3, 2020. <https://www.iea.org/data-and-statistics?country=INDONESIA&fuel=CO2%20emissions&indicator=CO2%20emissions%20by%20energy%20source>.
- Dellink, Rob, and Ekko C. Van Ierland. *Dynamic CGE Model for Environmental Policies*. Conference Paper, Environmental Economics and Natural Resources Group, 2015.
- Dicky Edwin Hindarto, Andi Samyanugraha, Debi Nathalia. *#Pasarkarbon Pengantar Pasar Karbon untuk Pengendalian Perubahan Iklim*. Jakarta: PMR Indonesia, 2018.
- Dorban, Ira Irina, Mickael Jacob, Matthias Kalkuhl, and Jan Christoph Steckel. "Poverty and distributional effects of carbon pricing in low- and middle-



- income countries – A global comparative analysis." *World Development*, 2019: 246-257.
- DUNNE, DAISY. *The Carbon Brief Profile: Indonesia*. March 27, 2019.
<https://www.carbonbrief.org/the-carbon-brief-profile-indonesia>.
- E. Stehfest, D.P. van Vuuren, L. Bouwman, T.Kram, R. Alkemade, M. Bakkenes, H. Biemans, A. Bouwman, M. den Elzen, J. Janse, P. Lucas, J. van Minnen, C. Müller, A. Prins. *IMAGE 3.0*. PBL, 2014.
- Elahi, Atashi, and Mehrizi. "The effect of variables population growth, urbanizationand economic growth on CO2 Emissions in Iran." *African Journal of Business Management* Vol. 6, 2012: 8414-8419.
- ERWIN L. CORONG, THOMAS W. HERTEL, ROBERT A. MCDOUGALL, MARINOS E. TSIGAS AND DOMINIQUE VAN DER MENSBRUGGHE. "The Standard GTAP Model, Version 7." *Journal of Global Economic Analysis*, 2017: 1-119.
- Fei, Li, Suocheng Dong, Xue, Li, Quanxi Liang, Wangzhou Yang. "Energy consumption-economic growth relationship and carbon dioxide emissions in China." *Energy Policy*, 2011: 568-574.
- Feldman, Sarah. *How Would a Carbon Tax Impact Energy Bills*. October 17, 2019. <https://www.statista.com/chart/19689/carbon-tax-energy-price-increase/> (accessed May 2, 2020).
- Gilbert, John. *The Armington Assumption*. Presentation, Utah State University, 2012.
- Gonzales , Jaume Freire, and Mun Ho. "Carbon Taxes and the double dividend hypothesis in a recursive-dynamic CGE model for Spain." *Economics System Research Volume 31*, 2019: 267-284.
- Green, Chandler. *6 REASONS WHY THE PARIS AGREEMENT IS GOOD FOR ECONOMIES*. November 4, 2019. <https://unfoundation.org/blog/post/6-reasons-why-paris-agreement-is-good-for-economies/>.
- Gruber, Jonathan. *Public finance and public policy*. New York, NY : Worth Publishers, 2007.
- Guo, Zhengquan, Zingping Xang, Yuhua Zheng, and Rao Rao. "Exploring the impacts of a carbon tax on the Chinese economy using a CGE model with a detailed disaggregation of energy sectors." *Energy Economics*, 2014: 455-462.



- Hamid, Abdul, Chamhuri Siwar, and Al-Amin. "Computable General Equilibrium Techniques for Carbon Tax Modeling." *American Journal of Environmental Sciences* 5, 2009: 330-340.
- Hammami, KaisSaidi dan Sami. "The impact of CO₂ emissions and economic growth on energy consumption in 58 countries." *Energy Report*, 2014: 62-70.
- Hasudungan, Herbert Wibert Victor. *The Impact of Implementing Carbon Tax and Feed-in Tariff: A CGE Analysis of the Indonesian Case*. Submitted for the Degree of Doctor of Philosophy, University of Dundee, 2016.
- He, Yongda, and Boqiang Lin. "The impact of natural gas price control in China: A computable general equilibrium approach." *Energy Policy*, 2017: 524-531.
- Hendarto, Dicky Erwin. *The Possibilities of Carbon Tax Implementation in indonesia*. January 21, 2019. <https://www.slideshare.net/dickyedwin/the-possibilities-of-carbon-tax-implementation-in-indonesia> (accessed May 2020).
- Hertel, Thomas W. *Strengths and Limitations of the GTAP Modelling Framework*. Presentation, Global Trade Analysis Project, 2012.
- Hof, A. F., M. G. J. den Elzen, A. Admiraal, M. Roelfsema, D. E.H.J. Gernaat, and D. P. van. "Global and regional abatement costs of Nationally Determined Contributions (NDCs) and of enhanced action to levels well below 2 °C and 1.5 °C." *Environmental Sciene & Policy* , 2017: 30-40.
- Horridge, M. "ORANI-G: A generic single-country computable general equilibrium model." *CoPS Working Paper OP-93, Centre of Policy Studies, Monash University*, 2000.
- IMF. *Putting A Price on Sollution* . Publication, IMF, 2019.
- Ini Capaian Pembangunan Infrastruktur Indonesia*. October 24, 2018.
<https://www.kemenkeu.go.id/publikasi/berita/ini-capaian-pembangunan-infrastruktur-indonesia/>.
- Jacobs, Henry. "Projected Impacts on Greenhouse Gas Emissions of Changes in Chinese Diet." *22nd Annual Conference on Global Economic Analysis*,. Warsaw: GTAP, 2019.
- Jeyhun I.Mikayilov, Marzio Galeotti, Fakhri J.Hasanov. "The impact of economic growth on CO₂ emissions in Azerbaijan." *Journal of Cleaner Production*, 2018: 1558-1572.



Jia, Li, Yue Yu, Ji-zu Li, and Zhi-xin Jin. "Research on the Impact of Carbon Tax on CO₂ Emissions of China's Power Industry." *Journal of Chemistry*, 2020.

Joseph Aldy, William Pizer, Massimo Tavoni, Lara Aleluia Reis, Keigo Akimoto, Geoffrey Blanford, Carlo Carraro, Leon E. Clarke, James Edmonds, Gokul C. Iyer, Haewon C. McJeon, Richard Richels, Steven Rose & Fuminori Sano. "Economic tools to promote transparency and comparability in the Paris Agreement." *Natural Climate Change*, 2016: 1000-1004.

Korhan Gokmenoglu, Nigar Taspinar. "The relationship between Co₂ emissions, energy consumption, economic growth and FDI: the case of Turkey." *The Journal of International Trade & Economic Development*, 2015: 706-723.

Kuntari Dasih, Tri Widodo. "Indonesia's Commitment to Reducing GHG and Its Impact on the Indonesia Economy: CGE Approach." *Munich Personal RePEc Archive*, 2019.

Li, Ji-zu, Li Jia, Yue Yu, and Zhi-xin Jin. "Research on the Impact of Carbon Tax on CO₂ Emissions of China's Power Industry." *Hindawi*, 2020.

Lin, Boqiang , and Zhijie Jia. "The Energy, Environmental and Economic Impacts of Carbon Tax Rate and Taxation." *Energy*, 2018.

Lirong Liu, Charley Z. Huang, Guohe Huang, Brian Baetz, Scott M. Pittendrigh. "How a carbon tax will affect an emission-intensive economy: A case study of the Province of Saskatchewan, Canada." *Journal of Energy*, 2018: 817-826.

Liu, Lirong, Charley Z. Huang, Guohe Huang, Brian Baetz, and Scott M. Pittendrigh. "How a carbon tax will affect an emission-intensive economy: A case study of the Province of Saskatchewan, Canada." *Energy*, 2018: 817-826.

Margenta, I Dewa Made Raditya. "Carbon Tax Implementation in Indonesia." *The Opinion* (PYC), 2019.

Mooney, Chris, and Andrew Freedman. *Huge global carbon tax hike needed in next 10 years to head off climate disaster, says IMF*. October 11, 2019. <https://www.independent.co.uk/environment/climate-change-fossil-fuels-carbon-environment-tax-imf-a9151996.html> (accessed May 2020).

Muhammad Shahbaz, Qazi Muhammad Adnan Hye, Aviral Kumar Tiwari, Nuno Carlos Leitao. "Economic growth, energy consumption, financial development, international trade and CO₂ emissions in Indonesia." *Renewable and Sustainable Energy Reviews*, 2013: 109-121.

Nations, United. "Paris Agreement." 2015.



Nur Surayya Saudi, Qaiser Muni, Muaz Mahmud, Ahmad Shakir Saudi. "CO2-GDP NEXUS: Case for ASEAN 5." *International Journal of Advanced and Applied Sciences*, 2017: 199-205.

Nurdianto, Ditya A., and Budi P. Resosudarmo. "Economy-wide Impact of a Carbon Tax in ASEAN." *Crawford School Economics and Government The Australian National University*, 2016.

OECD. *Taxing Energy Use 2019*. Publication, OECD, 2019.

Omri. "Emissions, Energy Consumption and Economic Growth Nexus in MENA Countries: Evidence from Simultaneous Equations Models." *Energy Economics*, 2013: 657-664.

Orlov, Anton. "An assessment of proposed energy resource tax reform in Russia: A static general equilibrium analysis." *Energy Economics*, 2015: 251-263.

Ozturk, Ali Acaravci dan Ilhan. "On the relationship between energy consumption, CO2 emissions and economic growth in Europe." *Energy*, 2010: 5412-5420.

P, Edoja, and Aye. "Effect of Economic Growth on CO2 Emission in Developing Countries: Evidence from a Dynamic Panel Threshold Model." *Cogent Economics & Finance*, 2017: 1-22.

Paris Agreement. April 3, 2017. <https://www.ojk.go.id/sustainable-finance/id/publikasi/prinsip-dan-kesepakatan-internasional/Pages/Paris-Agreement.aspx>.

Parry, Ian. *Putting a Price on Pollution*. December 2019.
<https://www.imf.org/external/pubs/ft/fandd/2019/12/the-case-for-carbon-taxation-and-putting-a-price-on-pollution-parry.htm> (accessed May 15, 2020).

Parry, Ian, Victor Mylonas, and Nate Vernon. "Mitigation Policies for the Paris Agreement: An Assessment for G20 Countries." *IMF Working Paper*, 2018.

Peng, and Zhu Q. "The Impacts of Population Change on Carbon Emissions in China During 1978–2008." *Environmental Impact Assessment Review* 36, 2012: 1-8.

"Perkembangan Pembangunan Infrastruktur Indonesia ." *Komite Percepatan Penyediaan Infrastruktur Prioritas*. 2019. <https://kppip.go.id/tentang-kppip/perkembangan-pembangunan-infrastruktur-di-indonesia/> (accessed May 25, 2020).



Perman, Roger , James McGilvray, and Michael Common. *Natural Resource and Environmental Economics*. London: Pearson Education Limited, 2003.

Pomerleau, Kyle, and Elke Asen. "Carbon Tax and Revenue Recycling: Revenue, Economic, and Distributional Implications." *Fiscal Fact*, 2019.

Raihan, Selim. *An Introduction to Computable General Equilibrium Modeling*. Presentation, Bangkok: Presented at the ARTNeT-GIZ Capacity Building Workshop on "Practical tools for Impact Assessment of Free Trade Agreements", 2017.

Ratnawati, Dian. " Carbon Tax Sebagai Alternatif Kebijakan Untuk Mengatasi Eksternalitas Negatif Emisi Karbon di Indonesia." *Indonesian Treasury Review: Jurnal Perpendidaraan Keuangan Negara Dan Kebijakan Publik*, 2019: 53-67.

Riahia, Keywan , et al. "The Shared Socioeconomic Pathways and their energy, land use, and greenhouse gas emissions implications: An overview." *Global Environmental Change*, 2017: 153-168.

Riley, Geoff. *Negative Externalities*. 2019.

<https://www.tutor2u.net/economics/reference/negative-externalities>
(accessed May 2020).

Robert McDougall, Alla Golub. "GTAPE: A Revised EnergyEnvironmental Version of the GTAP Model." *GTAP Research Memorandum No. 15*, 2007.

Rosen, Harvey S., and Ted Gayer. *Public Finance*. New York: McGraw-Hill, 2008.

Roser, Hannah Ritchie and Max. *CO2 and Greenhouse Gas Emissions*. December 2019. <https://ourworldindata.org/co2-and-other-greenhouse-gas-emissions>.

S, Guo, He Z, Xiaoyu Han X, Haoran Z, and Zhao H. "Economic Growth, Electricity Consumption, Labor Force and Capital Input: A More ComprehensiveAnalysis on North China Using Panel Data." *Energies*, 2016: 1-21.

Saidi Kais, HammamiSami. "An econometric study of the impact of economic growth and energy use on carbon emissions: Panel data evidence from fifty eight countries." *Renewable and Sustainable Energy Reviews*, 2016: 1101-1110.

Siriwardana, Mahinda , and Samuel Meng. *Assessing the Economic Impact of Tourism A Computable General Equilibrium Modelling Approach*. 2017.



Sofyan, Lury. "Distributional Impact of a Carbon Tax: Indonesia Case." *SSRN*, 2011.

Stamatis Ntanos, G. Arabatzis, Milioris Konstantinos, Chalikias Miltiadis, Lalou Panagiota. "Energy Consumption and CO₂ Emissions on a Global Level." *International Conference on Quantitative and Qualitative Methodologies in the Economic and Administrative Sciences*. Technological Educational Institute of Athens, 2015.

Su, Bin, and Yingzhu Li. "The impacts of carbon pricing on coastal megacities: A CGE analysis of Singapore." *Journal of Cleaner Production* , 2017: 1239-1248.

Suessspeck, Sascha, Philip Adams, Kerry Hinton and Terrie Walmsley. "Economic, Energy and Carbon Footprint Impact of Australias National Broadband Network." *18th Annual Conference on Global Economic Analysis*. Melbourne: Australia, 2015.

Suharyati; Pambudi, Sadmoko Hesti; Wibowo, Jamaludin Lastiko ; Pratiwi, Nurina Indah;. *Indonesia Energy Outlook 2019*. Outlook, Jakarta: DEN Secretary General of the National Energy Council, 2019.

Sulaiman, Abdul-Rahim AS. "The relationship between CO₂ emission, energy consumption and economic growth in Malaysia: a three-way linkage approach." *Sulaiman, C., & Abdul-Rahim, A. S. (2017). The relationship between CO₂ emission, energy consumption and economic growth in Malaysia: a three-way linkage approach. Environmental Science and Pollution Research*, 2017: 25204–25220.

Sundqvist, Patrik . *Do energy taxes decrease carbon dioxide emissions?* Master Thesis, Uppsala University, 2007.

Syamsidar Thamrin, Heiner von Luepke, Herman Haeruman, Saut M. Lubis, Arimbi Jinca, Ko Sakamoto, Anandita Laksmi Susanto, Mariati Abdul Kadir, Yuliana C. Wulan, Philippe Guizol, Novita Sari, Dea Rafika, Philipp Munzinger, Anja Rosenberg, Saut Sagala, Lutf. *Guideline for Implementing Green House Gas Emission Reduction Action Plan*. MINISTRY OF NATIONAL DEVELOPMENT PLANNING/NATIONAL DEVELOPMENT PLANNING AGENCY, 2011.

Tan, Audrey. *Singapore Budget 2018: Carbon tax of \$5 per tonne of greenhouse gas emissions to be levied*. Februari 19, 2018.
<https://www.straitstimes.com/singapore/singapore-budget-2018-carbon-tax-of-5-per-tonne-of-greenhouse-gas-emissions-to-be-levied> (accessed May 2020).



Taspinar, Korhan Gokmenoglu dan Nigar. "The relationship between Co₂ emissions, energy consumption, economic growth and FDI: the case of Turkey." *The Journal of International Trade & Economic Development*, 2016: 706-723.

Teknologi, Badan Pengkajian dan Penerapan. *OUTLOOK ENERGI INDONESIA 2018*. Jakarta: Pusat Pengkajian Industri Proses dan Energi , 2018.

Toon Vandyck, Kimon Keramidas Bert Saveyn, Alban Kitous, Zoi Vrontisi. "A global stocktake of the Paris pledges: Implications for energy systems and economy." *Global Environmental Change*, 2016: 46-63.

Truong, Jean-Marc Burniaux and Truong P. "GTAP-E: An Energy-Environmental Version of the GTAP Model." *Global Trade Analysis Project*, 2002.

Tsen, Wong Hock. "Is there a long-run relationship between trade balance and terms of trade? The case of Malaysia." *Applied Economics Letters*, 2006: 307-311.

Varian, Hal R. *Intermediate Microeconomics*. London: W. W. Norton & Company, 2010.

Vera, Sonia, and Enxo Sauma. "Does a carbon tax make sense in countries with still a high potential for energy efficiency? Comparison between the reducing-emission effects of carbon tax and energy efficiency measure in the Chilean case." *Journal Energy*, 2015: 478-488.

Wang, T. *Largest global emitters of carbon dioxide by country 2018 based on their share of global CO₂ emissions*. April 7, 2020.
<https://www.statista.com/statistics/271748/the-largest-emitters-of-co2-in-the-world/> (accessed May 25, 2020).

Weifeng Liu, Warwick J. McKibbin, Adele C. Morris, Peter J. Wilcoxen. *Global Economic and Environmental Outcomes of The Paris Agreement*. The Climate and Energy Economics Project, 2019.

Wing, Ian Sue. *Computable General Equilibrium Models and Their Use in Economy-Wide Policy Analysis: Everything You Ever Wanted to Know (But Were Afraid to Ask)*. Technical Note, Cambridge: MIT, 2004.

Wu, Qi, and Hao Xiao. "Dynamic CGE Model and Simulation Analysis on the Impact of Citizenization of Rural Migrant Workers on the Labor and Capital Markets in China." *Hindawi*, 2014.

Xu, Xiaoling, Xuefen Xu, Qian Chen, and Ying Che. "The impact on regional "resource curse" by coal resource tax reform in China—A dynamic CGE appraisal." *Resources Policy*, 2015: 277-289.



Xu, Xiaoling, Xuefen Xu, Qian Chen, and Ying Che. "The impacts on CO₂ emission reduction and haze by coal resource tax reform based on dynamic CGE model." *Resources Policy*, 2018: 268-276.

Yeo, Shopie, and Simon Evans. *The 35 countries cutting the link between economic growth and emissions*. April 5, 2016.
<https://www.carbonbrief.org/the-35-countries-cutting-the-link-between-economic-growth-and-emissions> (accessed May 3, 2020).

Yusuf, Arief Anshory, and Arief Ramayandi. "Reducing Fuel Subsidy or Taxing Carbon? Comparing the Two Instruments from the Economy, Environment, and Equity Perspectives for Indonesia." *Economics and Finance in Indonesia*, 2010: 115-129.

Yusuf, Arief Anshory, and Budy Resosudarmo. "On the Distributional Effect of Carbon Tax in Developing Countries: The Case of Indonesia." *Environmental Economics and Policy Studies*, 2017: 131-156.

Zang, X.G. *Elasticities and Terms of Trade Effects in Global CGE Models*. Staff Working Paper, Melbourne: The Productivity Commission, 2006.

Zheng, Mingbo, Qiang Zhang, Xiaohong Hu, and Yu Liu. "Improving Agricultural Water Use Efficiency: A Quantitative Study of Zhangye City Using the Static CGE Model with a CES Water–Land Resources Account." *Sustainability*, 2017.

Zhou , Enhui, et al. "Study on Pyrolysis Characteristics of Coal and Combustion Gas Release in Inert Environment." *Hindawi*, 2019.