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RESEARCH INTERESTS

Environmental and Resource Economics, Climate Change (Mitigation and Impacts), Energy, Sustainable Development, Risk and Uncertainty

EMPLOYMENT

University of Tokyo, Japan
Associate Professor, Graduate Program of Environmental Sciences, Graduate School of Arts and Sciences,
September 2017 –

Hokkaido University, Japan
Associate Professor, Graduate School of Economics and Business Administration,
April 2016 – August 2017

JICA Research Institute, Japan
Research Fellow, April 2014 – March 2016
Visiting Scholar, May 2016 –

Kiel Institute for the World Economy, Germany
Researcher, June 2008 –March 2014 (still affiliated with the Institute as of October 2017)
Fellow of the Kiel Earth Institute

Universidad Mayor de San Simón, Bolivia
Invited Lecturer, February 2013

Columbia University in the City of New York
Research Assistant, Earth Institute, Summer and Fall 2007
Teaching Assistant, School of International and Public Affairs, Spring and Fall 2006

Ministry of Education, Culture, Science and Technology (Japan)
Managerial-Track Positions (Unit Chief), Spring 1999 - Summer 2004

EDUCATION

Columbia University in the City of New York (Fall 2004 – May 2008)
Ph.D. in Sustainable Development, May 2008
M. Phil., Sustainable Development, May 2007 (completed coursework)
M.A., Sustainable Development, May 2006

University of Tokyo, Japan
M.Sc., Chemistry, March 1999
B.Sc., Chemistry, March 1997

PEER-REVIEWED PUBLICATIONS

Narita, D., Wagner, U.J., "Strategic Uncertainty, Indeterminacy, and the Formation of International Environmental Agreements," *Oxford Economic Papers* 69 (2): 432-452, 2017.

Rehdanz, K., Schröder, C., Narita, D., Okubo, T., "Public Preferences for Alternative Electricity Mixes in Post-Fukushima Japan," *Energy Economics* 65: 262–270, 2017.

Lontzek, T.S., D. Narita, and O. Wilms, "Stochastic Integrated Assessment of Ecosystem Tipping Risk," *Environmental and Resource Economics* 65 (3): 573–598, 2016.

Narita, D., and G. Klepper, "Economic Incentives for Carbon Dioxide Storage under Uncertainty: A Real Options Analysis," *International Journal of Greenhouse Gas Control* 53: 18–27, 2016.

Narita, D., and K. Rehdanz, "Economic Impact of Ocean Acidification on Shellfish Production in Europe," *Journal of Environmental Planning and Management*, DOI:10.1080/09640568.2016.1162705, 2016.

Rehdanz, K., H. Welsch, D. Narita and T. Okubo, "Well-Being Effects of a Major Natural Disaster: The Case of Fukushima," *Journal of Economic Behavior & Organization*, 116 (C): 500-517, 2015.

Schröder, C., K. Rehdanz, D. Narita, and T. Okubo, "The Decline in Average Family Size and Its Implications for the Average Benefits of Within-Household Sharing," *Oxford Economic Papers* 67(3): 760-780, 2015.

Cai, Y., K.L. Judd, T.M. Lenton, T.S. Lontzek, and D. Narita, "Environmental Tipping Points Significantly Affect the Cost−Benefit Assessment of Climate Policies," *PNAS*, 112 (15): 4606-4611, 2015.

Narita, D., and M. Quaas, "Adaptation to Climate Change and Climate Variability: Do It Now or Wait and See?" *Climate Change Economics*, 5 (4) 1450013, 2014.

Golub, A., D. Narita, and M. Schmidt. "Uncertainty in Integrated Assessment Models of Climate Change: Alternative Analytical Approaches," *Environmental Modeling and Assessment*, 19 (2), 99-109, 2014.

Maddison, D., Rehdanz, K., and D. Narita. "The Household Production Function Approach to Valuing Climate: The Case of Japan," *Climatic Change*, 116 (2), 207-229, 2013.

Hsiang, S.M., and D.Narita. "Adaptation to Cyclone Risk: Evidence from the Global Cross-Section," *Climate Change Economics*, 03, 1250011, 2012.

Emadodin, I., D. Narita and H.R. Bork. "Soil Degradation and Agricultural Sustainability: An Overview from Iran," *Environment, Development and Sustainability*, 14 (5), 611-625, 2012.

Van Ruijven, B., M. Weitzel, M. den Elzen, D. van Vuuren, S. Peterson, and D. Narita, "Emission Allowances and Mitigation Costs of China and India Resulting from Different Effort-Sharing Approaches," *Energy Policy*, 46, 116–134, 2012.

Narita, D., K. Rehdanz, and R.S.J. Tol. "Economic Costs of Ocean Acidification: A Look into the Impacts on Global Shellfish Production," *Climatic Change*, 113 (3), 1049-1063, 2012.

Heitmann, N., C. Bertram, and D. Narita, "Embedding CCS Infrastructure into the European Electricity System: The Need for Policy Coordination towards Efficient Installation," *Mitigation and Adaptation of Strategies for Global Change*, 17 (6), 669-686, 2012.

Narita, D., "Managing Uncertainties: The Making of the IPCC's Special Report on Carbon Dioxide Capture and Storage," *Public Understanding of Science*, 21(1): 84 – 100, 2012.

Lontzek, T., and D. Narita, "Risk-Averse Mitigation Decisions under an Unpredictable Climate System," *Scandinavian Journal of Economics*, 113 (4): 937–958, 2011.

Narita, D., R.S.J. Tol and D. Anthoff, "International Climate Policy and Regional Welfare Weights," *Environmental Science and Policy*, 13 (8): 713-720, 2010.

Narita, D., Tol, R., Anthoff, D., "Economic Costs of Extratropical Storms under Climate Change: An Application of FUND," *Journal of Environmental Planning and Management* 53(3): 371–384, 2010.

Kretschmer, B., D. Narita and S. Peterson, "The Economic Effects of the EU Biofuel Targets," *Energy Economics* 31: S285-S294, 2009.

Narita, D., R.S.J. Tol, and D. Anthoff, "Damage Costs of Climate Change through Intensification of Tropical Cyclone Activities: An Application of FUND," *Climate Research* 39: 87–97, 2009.

Mauzerall, D., D. Narita, H. Akimoto, L. Horowitz, S. Walters, D. Hauglustaine, and G. Brasseur, "Seasonal Characteristics of Tropospheric Ozone Production and Mixing Ratios Over East Asia: A Global Three-Dimensional Chemical Transport Model Analysis," *Journal of Geophysical Research* 105: 17895-17910, 2000.

Narita, D., P. Pochanart, J. Matsumoto, and 8 authors, "Seasonal Variation of Carbon Monoxide at Remote Sites in Japan," *Chemosphere - Global Change Science* 1: 137-144, 1999.

NON-PEER-REVIEWED PUBLICATIONS

成田　大樹, 環境の持続可能性と経済成長の関係について, 開発援助研究レビュー No.2, 2016. (in Japanese)

Brander, L.M., D. Narita, K. Rehdanz, and R.S.J. Tol, The Economic Impacts of Ocean Acidification. in P.A.L.D. Nunes, P. Kumar, and T. Dedeurwaerdere (eds.) *Handbook On The Economics Of Ecosystem Services And Biodiversity*, Chentenham, UK: Edward Elgar, 2014.

Bahr, G., D. Narita, and W. Rickels, 2012. "Recent Developments in European Support Systems for Renewable Power," Kiel Policy Brief 53.

Bertram, C., N. Heitmann, D. Narita and M. Schwedeler, 2012. "How Will Germany's CCS Policy Affect the Development of a European CO_2 Transport Infrastructure?" Kiel Policy Brief 43.

Narita, D., 2011. "Do We Know Enough to Control the Environmental Problems Now or Should We Wait Until More Is Known?" in Trofimenko, N. (ed.) *Climate Change: Current Issues*, Kiel Institute for the World Economy.

Van Ruijven, B., M. Weitzel, M. den Elzen, D. van Vuuren, S. Peterson, and D. Narita, 2010. Assessment of the Impacts of Different Post-Kyoto Regime Proposals on China and India, POEM Working Package 2 report (EU-financed project).

WORKING PAPERS

Narita, D., Leminih, M., Shimoda, Y., Ayana, A.N., "Toward An Accounting of the Values of Ethiopian Forests as Natural Capital," (JICA-RI Working Paper No. 140)

Heckenmüller, M., D. Narita, and G. Klepper. "Global Availability of Phosphorus and Its Implications for Global Food Supply: An Economic Overview" (Kiel Working Paper, 1897, 2014)

Narita, D. "Climate Policy as Expectation Management?" (Kiel Working Paper 1624, 2010)

Narita, D. "Climate Policy, Technology Choice, and Multiple Equilibria in A Developing Economy" (Kiel Working Paper, 1590, 2010)

Narita, D. "Economic Optimality of CCS Use: A Resource-Economic Model" (Kiel Working Paper 1508, 2009)

REVIEWER FOR

Annals of Regional Science; Asia-Pacific Development Journal; B.E. Journal of Economic Analysis and Policy; Climate; Climate Change Economics, Climate Policy; Ecological Economics; Ecological Indicators; Economic Modelling; Energy Economics; Environmental and Resource Economics; Global Environmental Outlook (GEO-5); International Journal of Environmental Research and Public Health; Journal of Environmental Economics and Management; Natural Hazards and Earth System Science; Nature Climate Change; Oxford Economic Papers; Public Understanding of Science; Resource and Energy Economics; Resources Policy; Science & Technology Studies; Sustainability; Weather, Climate, and Society; World Development.

GRANT ACQUISITIONS

(Kakenhi grant) 科研費　基盤研究(C)一般　H29-H31　研究代表者
「プラネタリー・バウンダリーズを考慮した持続可能性経済指標の研究」

Project "Climate Change Mitigation and Adaptation under Uncertainty," under the funding program "Ökonomie des Klimawandels" ("Economics of Climate Change") by the German Federal Ministry of Education and Research

(As a project member) "BIOACIDII: Biological impacts of ocean acidification (phase II)" funded by the German Federal Ministry of Education and Research

PROFESSIONAL SOCIETY MEMBERSHIP

European Economic Association; European Association of Environmental and Resource Economists; Society for Environmental Economics and Policy Studies (Japanese name: Kankyo Keizai Seisaku Gakkai); American Geophysical Union