

Ngawang Dendup

Assistant Professor (without tenure)
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PERSONAL INFORMATION

Date of Birth: August 22nd, 1982
Nationality: Bhutanese
Married with two beautiful daughters

EDUCATION

Doctor of Economics, Graduate School of Economics, Waseda University, Tokyo, Japan.
[September 2015 to June 2019].

Master of Business Administration (Finance), Edith Cowan University (ECU), Perth, Western Australia. [January 2009 to December 2010]

BA Economics, PSG College of Arts and Science, Tamil Nadu, India. [June 2004 to May 2007]

EMPLOYMENT/WORK EXPERIENCE

- Apr 2019 - Assistant Professor (without tenure), Faculty of Political Science and Economics, Waseda University, Shinjuku, Tokyo-Japan [Formal Position title until June 19, 2019 was Research Associate]. Course taught & teaching: Applied Microeconometrics (graduate level) and Advanced Econometrics (undergraduate level).
- Sep 2016-Mar 2019 Advanced Teaching Assistant for Microeconomics I (graduate level) and Econometrics I (graduate level), Graduate School of Economics, Waseda University.
- Jan 2008-Jan 2015: Assistant Lecturer, Department of Economics, Sherubtse College, Royal University of Bhutan. [Took study leave from January 2009 to December 2010 to study MBA at Edith Cowan University, Australia]. Course taught: Microeconomics, Macroeconomics, Statistics, Development Economics, Environmental Economics etc. (all undergraduate level).

TIME PART TEACHING POSITIONS

April 2021- Part time Assistant Professor, Faculty of Liberal Arts, Sophia University, Tokyo. [Course taught: Introduction Mathematics and Statistics for Business and Economics (undergraduate level)].

JOURNAL ARTICLES

1. Dendup, N. (2021). Returns to grid electricity on firewood and kerosene: Mechanism. *Journal of Environmental Economics and Management*. Forthcoming.
2. Dendup, N., & Arimura, T. H. (2019). Information leverage: The adoption of clean cooking fuel in Bhutan. *Energy Policy*, 125, 181-195. <https://doi.org/10.1016/j.enpol.2018.10.054>. Peer Reviewed.
3. Dendup, N., & Tshering, K. (2018). Demand for piped drinking water and a formal sewer system in Bhutan. *Environmental Economics and Policy Studies*, 20(3), 681-703. <https://doi.org/10.1007/s10018-018-0211-3>. Peer Reviewed.
4. Hoy, A., Katel, O., Thapa, P., Dendup, N., & Matschullat, J. (2016). Climatic changes and their impact on socio-economic sectors in the Bhutan Himalayas: an implementation strategy. *Regional Environmental Change*, 16(5), 1401-1415. <https://doi.org/10.1007/s10113-015-0868-0>. Peer Reviewed.

BOOK CHAPTERS

1. Dendup, N., Tshering, K., & Choda, J. (2022). Community-Based Tourism as a Strategy for Building Climate Resilience in Bhutan. In *Climate Change and Community Resilience* (pp. 387-398). Springer, Singapore. [Peer reviewed].
2. Katel, O. N., Schmidt-Vogt, D., & Dendup, N. (2015). Transboundary water resources management in the context of global environmental change: The case of Bhutan Himalaya. In *Managing Water Resources under Climate Uncertainty* (pp. 269-290). Springer, Cham. (Book Chapter).

WORKING PAPERS

1. Solar Subsidy and Welfare in Nepal: An Evidence from Geographic Regression Discontinuity Design. (with Bharadwaj & Pattanayak).
2. Household Response to Nonlinear Electricity Pricing and Subsidy. Funded by JSPS. [Early Stage].
3. Dendup, N., Zeng, S., Bharadwaj, B. Intra-Household Time Allocation and Biogas in Nepal: Evidence from Quasi-Experimental Design. (with Zeng & Bharadwaj)

REVIEWER & ACADEMIC SERVICES

So far, I reviewed 4 manuscripts for the journal “Environmental Economics and Policy Studies”, one manuscript for the journal “Journal of Material Recycle and Waste Management”, one manuscript for “Bhutan Journal of Research and Development” and

reviewed one research grant application for South Asia Network for Development and Environmental Economics (SANDEE).

GRANTS

1. Air Pollution in New Delhi and Crop Residue Burning: Evidence from Field Experiment. I have secured grant value of about US \$ 1100000 from ADBI and currently I am the process of obtaining the permission from Government of India. [Currently grant agreement is not signed].
2. Waseda Research Grant for Special Research Projects, “Appliance ownership and electricity consumption in Developing Countries”. Grant value: Yen 15000. Grant period 2021.
3. Japan Society for the Promotion of Science (JSPS), “Electricity Pricing and Subsidy for Energy Conservation in Developing Country: Evidence form Natural Experiment”, Grant amount: Yen 4150000, Grant period: 2020 to 2022.
4. Waseda Research Grant for Special Research Projects, “Biogas and Intra Household Time Allocation in Nepal”. Grant value: Yen 30000. Grant period 2020.
5. Sherubtse College Director’s Research Grant. “Impact of Environmental Goods on House Price”. Grant value: Nu 15000. Grant period: 2013-2014.
6. South Asia Network for Development and Environmental Economics (SANDEE), “Demand for Piped Drinking Water and Sewage System in Bhutan”, Grant amount: ~ USD 16000, Grand period: 2012 to 2014.

AWARDS/FELLOWSHIPS

1. Received 2020 “Encouragement Award” from Society of Environmental Economics and Policy Studies for the paper “*Information leverage: The adoption of clean cooking fuel in Bhutan. Energy policy, 125, 181-195*”. Award received on September 27, 2020.
2. In 2008, I also received internationally competitive scholarship from Government of Australia to pursue my master degree for two years, 2009 and 2010.
3. In 2006, I was awarded certificate for securing the subsequently the highest grade from the class during my undergraduate B.A. Economics program at PSG College of Arts and Science, India.
4. In year 2004, I was awarded merit-based scholarship to pursue my undergraduate degree in India by Royal Government of Bhutan from 2004 to 2007.

OTHER PROFESSIONAL EXPERIENCES

2016-2019: Worked as Research Assistant for Professor Toshi H. Arimura of Waseda University and also worked as Teaching Assistant for “Microeconomics” (for postgraduate students) and “Econometrics” for postgraduate students at Graduate School of Economics, Waseda University.

2015 May: Conducted Impact Evaluation Study on the project “Improving Gender Inclusive Access to Clean and Renewable Energy in Lower Zhemgang-Bhutan”

for Asian Development and ETC Foundation, Netherlands implemented by RSPN, Bhutan [Consultancy Service].

- 2015 Jan: Conducted a study on Water and Sanitation Situation in Bhutan with Ministry of Health, Royal Government of Bhutan with financial support from SNV, Bhutan [Consultancy Service].
- 2012-2013: Developed a course on Environment, Climate Change and Poverty to be offered to BSc. Environmental Science at Sherubtse College, Royal University of Bhutan.
- 2012: Participated and completed summer school in Environment and Resource Economics organized by the South Asia Network for Development and Environmental Economics, Bangkok, Thailand. [From 7th to 23rd May, 2012].

SELECTED CONFERENCES

1. Returns to grid electricity on firewood and kerosene: mechanism. *Australian Development Economic Workshop*, 2021 Nov 25th -26th, Victoria, Monash University.
2. Returns to grid electricity on firewood and kerosene: mechanism. *Australian Conference of Economist*, 2021 July 12th -14th, Western Australia, Perth.
3. Intra-household time allocation and biogas: Evidence from quasi-experimental design. *Women in Environmental Economics and Development Seminar Series* (organized by University of Michigan). 2020 Oct, 29th.
4. Intra-household time allocation and biogas: Evidence from quasi-experimental design. 2020 *Society for Environmental Economics and Policy Studies*. 2020 Oct, 26th-27th, Tokyo.
5. Intra-household time allocation and biogas: Evidence from quasi-experimental design. *Annual Conference of European Association of Environmental and Resource Economists*. 2020 June, 25th -27th, Berlin- Germany.
6. Returns to grid electricity: Mechanism of causal conservation and household technology. *Annual Conference of European Association of Environmental and Resource Economists*. 2019 June, 26th – 29th, Manchester-UK.
7. Returns to grid electricity on conservation: Mechanism of causal effect and spillovers on household outcomes. *Annual Conference of East Asian Economic Association*. 2018 October, 27th – 28th, Taipei-Taiwan.
8. Information leverage: The adoption of clean cooking fuel in Bhutan. *International Conference of the Japan Economic Policy Association*. 2017 November, 3rd – 4th.
9. Demand for piped drinking water and formal sewer system in Bhutan. *Annual Conference of Society for Environmental Economics and Policy Studies*. 2016, September 10th – 11th.

MEMBERSHIP IN PROFESSIONAL SOCIETIES

European Association of Environmental and Resource Economists (EAERE)

Association of Environmental and Resource Economists (AERE)

American Economic Association

Society for Environmental Economics and Policy Studies (SEEPS)

The Society for Econometrics

REFEREES

Prof. Toshihide Arimura, Professor, Faculty of Political Science & Economics, Waseda University, 1-6-1 Nishi-Waseda, Shinjuku-ku, Tokyo, Japan- 169 8050, Email: arimura@waseda.jp [Relationship: PhD Advisor]

Prof. Yasushi Kondo, Professor, Faculty of Political Science & Economics, Waseda University, 1-6-1 Nishi-Waseda, Shinjuku-ku, Tokyo, Japan- 169 8050, Email: ykondo@waseda.jp [Relationship: PhD Sub-Advisor]