

# Ngawang Dendup

CONSULTANT/ECONOMIST

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## EDUCATION

**2015 - 2019:** Doctor of Economics, Graduate School of Economics, Waseda University, Tokyo, Japan

**2009 - 2010:** Master of Business Administration (Finance), Edith Cowan University (ECU), Perth, Western Australia

**2004 - 2007:** BA Economics, Department of Economics, PSG College of Arts and Science, Tamil Nadu, India

## POSITION

**May 2024 - : Consultant/Economist**, Asian Development Bank Institute, Research Division, Tokyo, Japan

**Apr 2019 - Apr 2024: Assistant Professor** (without tenure), Faculty of Political Science and Economics, Waseda University, Shinjuku, Tokyo, Japan. (Formal Position title until September, 2019 was Research Associate)

**Courses taught & teaching:** Applied Microeconometrics (graduate level) and Advanced Econometrics and Statistics I & II and undergraduate seminars (undergraduate level)

**Apr - Sep 2021: Assistant Professor**(part-time), Faculty of Liberal Arts, Sophia University, Tokyo, Japan

**Course taught:** Introduction to Mathematics and Statistics for Business and Economics (undergraduate level)

**Sep 2016 - Mar 2019: Advanced Teaching Assistant** of Microeconomics I and Econometrics I for graduate level, Graduate School of Economics, Waseda University, Tokyo, Japan

**Jan 2008 - Jan 2015: Assistant Lecturer and Lecturer**, Department of Economics, Sherubtse College, Royal University of Bhutan

**Course taught:** Microeconomics, Statistics, Principles of Economics, Development Economics and Environmental Economics (undergraduate level)

## JOURNAL ARTICLES

- Dendup, N. (2022). Returns to grid electricity on firewood consumption and kerosene: Mechanism. *Journal of Environmental Economics and Management*, 111, 102606. <https://doi.org/10.1016/j.jeem.2021.102606>
- 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>
- 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>
- 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>

## BOOK CHAPTERS

- 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
- 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

## POLICY PAPERS

1. Arimura, T., Chattopadhyay, M., Dendup, N., & Tian, S. (2022). Green Revenues for Greener Asia. Asia Development Outlook (Background Paper), Asian Development Bank
2. Dendup, N & Tshering, K. (2015). Improving piped water and sewage connections makes economic sense in Bhutanese cities. Policy Brief, South Asia Network for Development and Environmental Economics

## WORKING PAPERS/WORK-IN-PROGRESS

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1. Designing Nonlinear Electricity Pricing with Misperceptions: Evidence from Free Electricity Policy (with Yuta Toyama)
2. Electricity and Social Capital: An Evidence from Rural Electricity Program (with Dil Rahut & Yayue Xiao) **Revise and Resubmit** requested by *Empirical Economics*
3. Solar Subsidy and Welfare in Nepal: An Evidence from Geographic Regression Discontinuity Design (with Bishal Bharadwaj & Subhrendu Pattanayak)

## GRANTS

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1. Japan Society for the Promotion of Science (JSPS), “Grid Electricity, Time Allocation and Indoor Air Pollution in Bhutan: An Evidence from Field Experiment”, Grant amount: Yen 3,600,000, Grant period: 2023 - 2025
2. Waseda Research Grant for Special Research Projects, “Appliance ownership and electricity consumption in Developing Countries”. Grant amount: Yen 15,000, 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 4,150,000, Grant period: 2020 - 2022
4. Waseda Research Grant for Special Research Projects, “Biogas and Intra Household Time Allocation in Nepal”. Grant amount: Yen 30,000, Grant period: 2020
5. Sherubtse College Director’s Research Grant. “Impact of Environmental Goods on House Price”. Grant amount: Nu 150,000. 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 - 2014

## AWARDS/FELLOWSHIPS

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1. In April 2022, awarded prestigious JSPS Post-doctoral Fellowship for three years. However, I declined the fellowship as I accepted an offer from Waseda University as Assistant Professor.
2. Awarded 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.
3. In 2008, awarded internationally competitive scholarship from Government of Australia (AusAID) to pursue master degree, 2009 - 2010.
4. In 2006, awarded a certificate of merit for achieving the highest grade in the Economics program B.A. Economics at PSG College of Arts and Science, Tamil Nadu, India.
5. In 2004, awarded prestigious scholarship by Royal Government of Bhutan to pursue undergraduate degree in India, 2004 - 2007.

## OTHER PROFESSIONAL EXPERIENCES

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- 2016 - 2019:** Worked as Research Assistant for Professor Toshi H. Arimura of Waseda University and as Teaching Assistant of Microeconomics and Econometrics at postgraduate level, Graduate School of Economics, Waseda University, Tokyo, Japan
- May 2015:** 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)

**Jan 2015:** Conducted a study on Water and Sanitation Situation in Bhutan with the Ministry of Health, Royal Government of Bhutan, Bhutan (Consultancy Service)

**2012 - 2013:** Developed a course on Environment, Climate Change and Poverty to be offered to B.Sc. Environmental Science at Sherubtse College, Royal University of Bhutan

**May 2012:** Attended summer school in Environment and Resource Economics organized by the South Asia Network for Development and Environmental Economics, 7-23 May, 2012, Bangkok, Thailand

## SELECTED CONFERENCES

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1. Designing Nonlinear Electricity Pricing with Misperceptions: Evidence from Free Electricity Policy. Asian Development Economics Conference, 15-16 Jul, 2023, University of Tokyo, Japan
2. Designing Nonlinear Electricity Pricing with Misperceptions: Evidence from Free Electricity Policy. Australian Conference of Economist, 9-12 Jul, 2023, Brisbane, Queensland, Australia
3. Dynamic Structural Econometrics Conference and Summer School of The Econometric Society, 13-19 Dec, 2022, Australian National University, Canberra, Australia
4. Returns to grid electricity on firewood and kerosene: Mechanism. Australian Development Economic Workshop, 25 -26 Nov, 2021, Monash University, Victoria, Australia
5. Returns to grid electricity on firewood and kerosene: Mechanism. Australian Conference of Economist, 12-14 Jul, 2021 , Perth, Western Australia, Australia
6. Intra-household time allocation and biogas: Evidence from quasi-experimental design. Women in Environmental Economics and Development Seminar Series, University of Michigan, 29 Oct, 2020
7. Returns to grid electricity: Mechanism of causal conservation and household technology. Annual Conference of European Association of Environmental and Resource Economists, 26-29 Jun, 2019 , Manchester, UK
8. Returns to grid electricity on conservation: Mechanism of causal effect and spillovers on household outcomes. Annual Conference of East Asian Economic Association, 27-28 Oct, 2018, Taipei, Taiwan
9. Information leverage: The adoption of clean cooking fuel in Bhutan. International Conference of the Japan Economic Policy Association, 3-4 Nov, 2017, Okinawa, Japan
10. Demand for piped drinking water and formal sewer system in Bhutan. Annual Conference of Society for Environmental Economics and Policy Studies, 10-11 Sep, 2016, Tokyo, Japan

## MEMBERSHIP IN PROFESSIONAL SOCIETIES

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- The Econometric Society
- Japanese Economic Association
- European Association of Environmental and Resource Economists (EAERE)
- Society for Environmental Economics and Policy Studies (SEEPS)

## REFERENCES

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**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]