

BISHAL BHARADWAJ

Energy and Development Lead
Curtin Institute for Energy Transition,
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Education

2022 PhD (Environmental Economics) University of Queensland (Endeavor Leadership Award, Australian Government)

2016 MSc, Climate Change, University College London, UK (Chevening Scholarship UK Government)

Professional Experience and Affiliations (after 2010)

2023- Present	Associate researcher, Environment for Development
2023- Present	Research Fellow, Institute for Energy Transition, Curtin University, Australia
2022- Present	Associate Editor, Environment Sustainability and Development, Springer.
2022- Present	Short-Term Consultant, The World Bank
2022- 2023	Postdoctoral fellow, Net Zero Australia Project , University of Queensland
2022 - 2023	Host, Climate risk map training with Woodwell Climate Research Centre USA
2021 - 2023	Researcher, Hydrogen Project funded by Future Fuel CRC, Australia
2017- 2018	Consultant researcher, Cities and Climate Change project, ICIMOD
2016- 2018	Under-Secretary at the Government of Nepal
2010- 2016	Section Officer, Environment Management Section, Ministry of Local Development
2013- 2014	Data management expert, Softech Foundation, Nepal, 2013-2014

Engaged as a consultant researcher in organizations like ICIMOD, CLASS Nepal and the World Bank

Other engagement

Member, Organizing Committee, Australia Hydrogen Research Network Conference 2024
Support, Organizing Committee, State of Energy Research Conference, 2024
Coordinator: Skill transfer/training in collaboration with 14 universities in 14 countries in Africa and Asia
Expert, in course design for Mountain Economy and Development, Institute for Forestry, TU, Nepal

Awards and Grants

Dean's Award for UQ Dean's Award for Outstanding PhD Thesis (Recommended) 2022, Endeavour Leadership Award (PhD) Australia Government 2018 Chevening Scholarship (MSc), UK Government 2015, Gold Medal for being first in first by Government of Nepal 2011, Thesis research grant NTNC, 2009, Small Research Grant (BSc thesis), WWF, 2006 and. Youth Initiative Award, 2006.

Research Grants as Principal Investigator (PI) and consultant researcher (CR)

1. PI, What makes Nepal's renewable energy subsidy effective? [USD22,200 for 2019-2021] funded by the International Centre for Integrated Mountain Development (ICIMOD)/ SANDEE
 2. Co-investigator, [Cities and Climate Change](#), the fund from IDRC, Canada
 3. PI, what makes a plastic bag ban effective in Nepal? [USD 22777, 2012-2014] by SANDEE
- Additionally, I have led more than 6 short research assignments funded by various organizations

Publications in 2023

1. Kamo A. et al. (Accepted) Stakeholder Engagement: The role of facilitators and gender in 'opening up' conversations and enabling participation, The Australian Journal of Environment Management
2. Bharadwaj, B., et al, 2023. Awareness of biogas increases its social acceptance. Journal of Cleaner Production, 138432.
3. Bharadwaj, B, Subedi, MN, Malakar, Y, & Ashworth, P (2023). Low-capacity decentralized electricity systems limit the adoption of electronic appliances in rural Nepal. Energy Policy, 177, 113576.
4. Bharadwaj, B., Subedi, M. N., & Rai, R. K. (2023). Retailer's characteristics and compliance with the single-use plastic bag ban. Sustainability Analytics and Modeling, 3, 100019.
5. Subedi, M. N., Bharadwaj, B., & Rafiq, S. (2023). Who benefits from the decentralised energy system (DES)? Evidence from Nepal's micro-hydropower (MHP). *Energy Economics*, 106592.

6. Khanal, G.N., Bharadwaj, B., Upadhyay, N. et al. (2023) Evaluation of the National Health Insurance Program of Nepal: are political promises translated into actions?. Health Res Policy Sys 21, 7.
7. Bharadwaj, B., Weder, F. & Ashworth, P. (2023) More support for hydrogen export than its domestic application in Australia. Humanities Social Science Communication 10, 7.

Book

Davis, D. et al. (2023). Modelling Summary Report. Net Zero Australia. ISBN 978 0 7340 5704 4

Reports

1. M. Simeoni, **B. Bharadwaj**, et al (2023) Chapter 8: Exploring Queenslanders' views of high voltage overhead and underground transmission infrastructure in Comparing High Voltage Overhead and Underground Transmission Infrastructure (up to 500kV)
2. Arratia-Solar, A., Bharadwaj, B., et al. (2023). *Public perceptions of Biogas: 2022 National Survey Results*. Future Fuel CRC.
3. Kambo, A., Arratia-Solar, A., **Bharadwaj, B.**, Witt, K., & Ashworth, P. (2023). Citizens' panels on the role of future fuels in a low-carbon future energy mix in Australia: WA and National Youth
4. R. Batterham, J. Beiraghi, **B. Bharadwaj**, R. Bolt, M. Brear, B. Cullen, et al. (2023) Methods, Assumptions, Scenarios & Sensitivities, Net Zero Australia.
5. Bharadwaj B., et al. 2023, 'Downscaling – Water use and transmission', Net ZeroAustralia
6. Bharadwaj B. et al. 2023, 'Downscaling – Onshoring of industry', Net Zero Australia,
7. Bharadwaj B. et al. 2023, 'Downscaling – Energy export systems', Net Zero Australia
8. Arratia-Solar, A., Bharadwaj, B., Kambo, A., & Ashworth, P. (2023). *Public perceptions of Biogas: 2022 National Survey Results*. Future Fuel CRC.
9. Kambo, A., Arratia-Solar, A., **Bharadwaj, B.**, Witt, K., & Ashworth, P. (2023). Citizens' panels on the role of future fuels in a low-carbon future energy mix in Australia: WA and National Youth

Skills and Competencies

Software: Python, STATA, ArcGIS Pro, GraphPad Prism, Illustrator, Tableau, R,
 Analytical Skill: Advanced data analysis, Survey design (eg. Qualtrics), spatial analysis, Machine learning
Designed, implemented and data analysis of more than 12 survey including cross country and national.

Featured talks, conferences, and Interviews.

Conferences/presentations (2023/2024)

1. Chair, Resources, Systems and Tech Session, State of Energy Research Conference 16 Feb 2024
2. Oral presentation, 17th Annual Meeting of EfD, 2023, Accra Ghana, 2023 October 4-9
3. Chair, Energy Transition Workshop, 5th September 2023, Australia-Africa University Network, Perth
4. Chair, Energy Transition Workshop, 5th September, Australia Africa University Network
5. Oral presentation, Sustainable Energy Transition Initiative, June 2023, Online, 2023 June 15-16
6. Oral presentation, Australian Hydrogen Research Conference 2023, ACT Australia, 2023 Feb 8-10

Invited talks

1. Society for Conservation Biology Nepal, 2 November 2021
2. Energy and Social Science Research, University of Queensland 26 October 2021
3. Department of Humanities and Social Sciences, Indian Institute of Technology, Tripur; 20 April 2021.

Interview, policy brief and blog

1. Bharadwaj B [If we miss the context policies may be toothless](#), EfD posted: 16 November 2023
2. Bhardwaj, Bishal with Dhungana, Siromani for Nepal Live Today, 3rd February 2022([Link](#))
3. Researcher in Focus: ICIMOD/SANDEE, 2020 (Link)
4. Interview for EveryONE Blog, Public Library of Science (PLOS) (Link).
5. Policy Brief: Plastic bag ban and its effectiveness, 2015 (Link).

For Additional information, please visit my website: www.bishalbharadwaj.com