

Jeremy van Dijk

Ph.D.; Sustainability Economist at ARRB | NTRO

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EDUCATION

Ph.D. in Economics, *Institute of Economic Research, University of Neuchâtel, Switzerland, 2022*

Cornell University, United States of America – Visiting Ph.D. Research Associate, Fall 2021-22

University of Melbourne, Australia - Visiting Ph.D. Research Associate, Autumn 2021

Environmental and Energy Economics, Sustainable Transport, Pollution, Climate Change Mitigation

Thesis: “End of the ICE Age: The economics of the green transport transition”

Supervisor: Prof. Mehdi Farsi. Defended: June 2022.

Doctoral Program in Behavioural Economics and Experimental Research

Master of Environmental and Resource Economics (with Distinction), *Crawford School of Public Policy, Australian National University, 2015*

Bachelor of Economics, *Australian National University, 2012*

Bachelor Arts (International Relations, French Language), *Australian National University, 2012*

PROFESSIONAL EXPERIENCE

2022 – present

Economist

National Transport Research Organisation (NTRO) |

Australian Road Research Board (ARRB)

- Project management with clients across commonwealth, state and local government departments and agencies, and private businesses
- Strategic policy analysis of Australia’s electric vehicle transition and sustainable infrastructure – policy cohesion, requirements, and action plans
- Quantitative analysis of economic and environmental impacts of transport infrastructure
- Assessment of the benefits and costs of using sustainable and recycled materials
- Stakeholder management – effectively engage with clients and external stakeholders across supply chains and sectors, and collaborate across internal divisions

2022,

2017-2020

Doctoral Associate (research and teaching)

Institute of Economic Research, University of Neuchâtel, Switzerland

- Quantitative economic modelling and analysis of green transport transition
- Synthesised scientific literature and evidence-base
- Effectively wrote and published research articles and public reports
- Managed a small team to optimise teamwork and achieve course preparation, presentation and assessment goals within deadlines and of high quality
- Developed and ran experiments to understand behaviour in transport choices
- Preparation of problem sets, quizzes, exams, and video tutorial-aides for undergraduate and masters economics courses (Energy Economics, Industrial Organisation, Microeconomics II)

2021 – 2022

Ph.D. Research Associate (visiting)

Cornell University, United States of America

- Conducted economic analyses of welfare effects of electric vehicle subsidy programs and related social inequalities

- 2021 **Ph.D. Research Associate (visiting)**
Department of Economics, University of Melbourne
- Developed and completed econometric modelling and analysis of consumer green vehicle preferences
- 2016 **Research Economist (secondment)**
Commonwealth Department of Agriculture and Water Resources
- Conducted key economic analyses for the Commonwealth Government's Review of the Working Holiday Maker Visa
 - Demonstrated strong problem-solving skills to understand the underlying issues and to provide authoritative advice on a policy plan
 - Drafted the review report
 - Collaborated with and managed inputs from stakeholders across commonwealth departments and the public
- 2016 – 2017 **Research Economist**
Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES) | Commonwealth Department of Agriculture and Water Resources
- Undertook economic research and analysis of Australia's agricultural industries based on the Australian Agricultural and Grazing Industries Survey (AAGIS)
 - Statistically analysed business' financial and physical performance
 - Wrote reports to effectively communicate findings to stakeholders and senior policy makers
 - Wrote ministerial briefs
- 2015 **Economic Research Consultant**
New South Wales Office of Environment and Heritage
- Completed an assessment of the Social Cost of Carbon for use in state policy
 - Synthesised the scientific literature and communicated findings through a report and presentation
- 2012 – 2015 **Research Assistant**
Australian National University
- Conducted research into 19-20th century health and economic development
 - Compiled and managed large datasets
 - Problem-solved to access and read large, damaged primary sources
- 2013 **Internship – Microfinance Officer (Volunteer)**
MicroQuips, Amasaman Ghana
- Conducted surveys of micro-lease clients and analysed financial and social impact of the leases
- 2013 **Internship – Project Officer (Volunteer)**
*Centre for Environment and Community Assets Development (CECAD)
Hanoi Vietnam*
- Wrote numerous grant applications for new development projects with the majority awarded
 - Created and gave workshop on research methods and skills
 - Researched market opportunities for farming communities

PROFESSIONAL ENGAGEMENT

Presentations: ARRB Knowledge Sharing Meeting Sept. 2022; Institute of Economic Research UniNE Annual Doctoral Meeting 2022; Faculty of Economics and Business Brown Bag Seminar May 2022; University of Melbourne Department of Economics Seminar April 2021; EAERE Annual Conference 2020 – Berlin, DE; Institute of Economic Research UniNE Annual Doctoral Meeting 2020; AARES Annual Conference 2020 – Perth, AUS; 6th SCCER CREST Annual Conference – Sierre, CH; EAERE Annual Conference 2019 – Manchester, UK; SSES Annual Congress 2019 – Geneva, CH; Institute of Economic Research UniNE Annual Doctoral Meeting 2019; 8th Mannheim Energy Conference – ZEW, Mannheim, DE; 10th SAEED Doctoral Workshop – ETH-Z, CH; 5th SCCER CREST Annual Conference – Basel, CH; Faculty of Economics and Business Brown Bag Seminar May 2018

Poster presentations: Swiss Sustainability Week 2019 – Neuchâtel, CH; 6th SCCER CREST Annual Conference – Sierre, CH; SCCER Joint Mobility Working Group Annual Meeting 2019 – Neuchâtel, CH; Swiss Sustainability Week 2018 – Neuchâtel, CH

Committees: *President* of ASECO 2019-2021 (Association of non-professorial academic staff of the Faculty of Economics and Business – University of Neuchâtel); *Committee Member* of AARES ACT 2017 (Australian Agricultural and Resource Economics Society ACT branch); *Committee member* of PARSA 2015 (Postgraduate and Research Students Association – ANU)

AWARDS

Swiss National Science Foundation: Doc.Mobility Fellowship (2021).

Australian Agricultural and Resource Economics Society ACT Branch: Postgraduate Essay Competition Runner Up (2015).

Australian National University: Ethel Tory Language Scholarship (2011).

ADDITIONAL

Citizenship: Australia, Netherlands

Languages: English (native); French (fluent); German (proficient); Italian, Dutch, Spanish (beginner)

IT: Stata, R, LaTeX, SAS, Qualtrics, ArcGIS, Microsoft Office Suite (incl. Word, Excel)

PUBLICATIONS

"Technology adoption and early network infrastructure provision in the market for electric vehicles," 2022, (with N. Delacrétaz, B. Lanz), *Environmental and Resource Economics*, DOI: 10.1007/s10640-022-00703-z.

"Travel mode choices in a greening market: The impact of electric vehicles and prior investments," 2021, (with M. Farsi, S. Weber), *Transportation Research Record*, 2675(11), 1205-1218, DOI: 10.1177/03611981211025279.

"Carsharing experience fostering sustainable car purchasing? Investigating car size and powertrain choice," 2021, (with R. Hoerler, A. Patt, A. Del Duce), *Transportation Research Part D: Transport and Environment*, 96, . DOI 10.1016/j.trd.2021.102861

"Economic growth and global particulate pollution concentrations," 2017, (with D.I. Stern), *Climatic Change*, 142, 391-406. DOI 10.1007/s10584-017-1955-7

REPORTS AND WORKING PAPERS

"Who is afraid of electric vehicles? An analysis of stated EV preferences in Switzerland," (2022), (with M. Farsi), *IRENE Working Paper Series*, WP 22- 04, IRENE Institute of Economic Research, University of Neuchâtel.

Energieverbrauch der Haushalte in der Schweiz: Highlights der Haushaltsbefragung zum Energieverbrauch (Consommation d'énergie des ménages en Suisse : Principaux résultats de

l'enquête sur la consommation énergétique des ménages), (2018), (with P. Burger, I. Schubert, M. Puntiroli, B. Volland, S. Weber, M. Farsi), SCCER CREST report, Basel.

Reduktion der Energienachfrage von Haushalten-erfolgversprechende Schritte auf einem langen Weg, 2018, (with P. Burger, I. Schubert, M. Puntiroli, B. Volland, V. Bezençon, T. Brosch, V. Carabias-Hütter, S. Hille, M. Farsi, U. Hahnel, B. Lanz, L. Lemarie, C. Moser, A. Sohre), SCCER-CREST White Paper, Basel.

Horticulture farms in the Murray-Darling Basin, (2017), (with D. Ashton), ABARES research report [Online] Available at: www.awe.gov.au/abares/research-topics/surveys/irrigation/horticulture

Rice farms in the Murray-Darling Basin, (2017), (with D. Ashton), ABARES research report [Online] Available at: www.awe.gov.au/abares/research-topics/surveys/irrigation/rice

Australian lamb: financial performance of lamb producers, 2014–15 to 2016–17, (2017), (with J. Frilay, D. Ashton), ABARES research report, Canberra, December.

Australian honey bee industry survey 2014–15, (2016), (with J. Gomboso, C. Levantis), ABARES research report, Canberra, December.

A contingent valuation study of Cape York visitor preferences for an environmental management project in the Archer River Basin, (2015), (with M. Pill), A report for Cape York Partnership, Cairns.

Social cost of carbon assessment for NSW policy analysis, (2015), (with F. Jotzo, J. Pezzey, S. Mazouz), ed. F. Jotzo, A report for NSW Department of Environment and Heritage, Sydney.

REFERENCES

Available upon request.