

Katharine Legun

Assistant Professor
Wageningen University
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Education

- 2013 Ph.D. Sociology, University of Wisconsin-Madison.
Dissertation: "A Club Apple Society: What this New Economic organization Says about the Nature of Markets" Committee: Michael Bell (Chair), Jane Collins, Jess Gilbert, Joe Conti, Keith Woodward
Qualifying Exams: Environmental Sociology, Economic Sociology
- 2008 M.A. Sociology, University of British Columbia.
- 2005 B.A. Sociology, University of British Columbia.

Academic Positions

- 2020 - Assistant Professor, Strategic Communication Group, Wageningen University
- 2019-19 Senior Lecturer (Confirmed), Department of Sociology, Gender Studies and Criminology, and Research Affiliate at the Centre for Sustainability University of Otago, New Zealand.
- 2013-19 Lecturer, Department of Sociology, Gender and Social Work, and Research Affiliate at the Centre for Sustainability University of Otago, New Zealand.

Publications

Books and Editorial

- 2020 **Legun, Katharine**, Keller, Julie, Bell, Michael and Michael Carolan. (Under contract, under review, scheduled publication 2019) *Cambridge Handbook of Environmental Sociology*, Cambridge University Press
- 2017 **Legun, Katharine** and Matthew Henry. Introduction to the special issue on the post-human turn in agri-food studies: Thinking about things from the office to the page. *Journal of Rural Studies*, 52: 77-80

Peer Reviewed Journal Articles and Book Chapters

- 2021 **Legun, Katharine** and Karly Burch "Robot-ready: How apple producers are assembling in anticipation of new AI robotics. *Journal of Rural Studies*, 82, 380-390.
- 2021 Contesse, Maria, Duncan, Jessica, **Legun, Katharine** & Laurens Klerkx. "Unravelling non-human agency in sustainability transitions. *Technological Forecasting and Social Change*, 166, 120634.
- 2020 **Legun, Katharine** and Abbi Virens "What is a post-human or more-than-human approach, and what is it trying to do? Exploring the Interventions offered by

- Actor-Network Theory, Assemblage Theory, and New Materialisms” prepared for inclusion in Legun, Keller, Carolan and Bell (eds) *the Cambridge Handbook of Environmental Sociology*
- 2020 Hale, James, **Legun, Katharine**, and Hugh Campbell. “Accounting for accountabilities: Shaping Capacity through Participatory Governance Design in NZ Water Networks,” accepted, *Journal of Rural Studies*
- 2019 Hale, James, **Legun, Katharine** and Hugh Campbell. “Social sustainability indicators as performance” *Geoforum*. 103, 47-55
- 2018 **Legun, Katharine**. “Securing the Future of Apple Production” for *The New Biological Economy: How New Zealanders are Creating Value from the Land* in Pawson and the Biological Economies Research Team (eds), Auckland: Auckland University Press.
- 2018 Burch, Karly, **Legun, Katharine** and Hugh Campbell. “Not Defined by the Numbers: Distinction, Dissent and Democratic Possibilities in Debating the Data” in Forney, Rosin and Campbell (eds) *Agri-environmental governance as an assemblage: multiplicity, power, and transformation*, Routledge
- 2018 **Legun, Katharine** and Michael Bell. “Environmental Sociology” in Javier Trevino (ed) *Investigating Social Problems (2nd Ed)*. Thousand Oaks, CA: SAGE
- 2018 **Legun, Katharine** and Marion Sautier. “Sustainability programs and deliberative democracy: the case of sustainable winegrowing in New Zealand,” *Agriculture and Human Values*, 35(4), 837-852
- 2017 Sautier, Marion, **Legun, Katharine**, Campbell, Hugh, and Chris Rosin. Sustainability: a tool for governing wine production in New Zealand? *Journal of Cleaner Production*, 179, 347-356
- 2017 Rosin, Chris, **Legun, Katharine**, Sautier, Marion and Hugh Campbell. From Compliance to Co-Production: emergent forms of agency in Sustainable Wine Production in New Zealand. *Environment and Planning A*, 49(12), 2780-2799
- 2017 **Legun, Katharine**. Desires, Sorted: Massive Modern Packing Lines in an Era of Affective Food Markets. *Journal of Rural Studies*, 52, 110-117
- 2017 Alrøe, Hugo F., Sautier, Marion, **Legun, Katharine**, Whitehead, Jay, Noe, Egon, Moller, Henrik, and Jon Manhire. Performance versus Values in Sustainability Transformation of Food Systems. *Sustainability* 9(3): 332-363
- 2016 **Legun, Katharine**, and Michael Bell. The second middle: Conducers and the agrifood economy. *Journal of Rural Studies*, 48, 104-114
- 2016 **Legun, Katharine**. “Ever-Redder Apples: How Aesthetics Shape the Biology of Markets.” In Le Heron, Campbell, Marsden and Carolan, (eds.) *Biological Economies: Experimentation and the politics of agri-food frontiers*. Routledge
- 2016 de Olde, Evelien. ... **Legun, Katharine** ... Manhire, Jon. When experts disagree:

The need to rethink indicator selection for assessing sustainability of agriculture. *Environment, Development & Sustainability*: 1-16

- 2015 **Legun, Katharine.** Tiny trees for trendy produce: Dwarfing technologies as assemblage actors in orchard economies. *Geoforum*, 65, 314-322
- 2015 **Legun, Katharine.** Club apples: a biology of markets built on the social life of variety. *Economy and Society*, 44(2): 293-315
- 2014 Bell, Michael and **Katharine Legun.** "Environmental Sociology" in Javier Trevino (ed) *Investigating Social Problems*. Thousand Oaks, CA: SAGE
- 2011 **Legun, Katharine.** Cultivating Institutions: Organic Agriculture and Integrative Economic Choice. *Society & Natural Resources: An International Journal*, 24(5), 455-468

Manuscripts in preparation

- ... **Legun, Katharine** and Mark Vicol "Trouble brewing? Cooperatives and market making in the NZ hop industry"
- ... Burch, Karly and **Katharine Legun** "What is a Plant? Building AI Ontologies through Sensors and Code"
- ... **Legun, Katharine,** Burch, Karly and Laurens Klerkx "Can a robot be an expert? The social meaning of skill and its expression through the co-design of autonomous robotics"

Selected Recent Conference Participation

- 2019 **Legun, Katharine.** Anticipatory assembling for robotics in New Zealand (preliminary findings), presented at the European Rural Sociological Association special session on Digital Technologies, Trondheim, Norway
- 2018 **Legun, Katharine,** Fairbairn, Madeleine, and Zenia Kish. Special session organizers, "Techno-politics in Agriculture and Food Under (and After?) Capitalism" presented at the International Sociological Association Congress, Toronto, Canada
- 2017 **Legun, Katharine.** Biologies/Varieties/ Plant-power: the creative economic work of apples, tomatoes, and hops" presented at Valuing Life: Measurements, Stakes and Implications, Wageningen, Netherlands
- 2016 **Legun, Katharine,** Sautier, Marion and Hugh Campbell. "The Side-Effects of Sustainability Audits" presented at the International Rural Sociological Association meetings, Toronto, Canada

- 2016 **Legun, Katharine.** "Sorted Stuff and Foodie Filters: Making Aesthetics for the Modern Food Market " presented at the International Rural Sociological Association meetings, Toronto, Canada
- 2015 **Legun, Katharine.** "Tiny Trees for Trendy Produce: Technologies of Customisation and Flexible Specialization in Modern Apple Orchards" presented in a regular session at the American Sociological Association, Chicago, USA.
- 2015 **Legun, Katharine.** "Club Apples and Plant-Power in Future Food Economies" presented at the Association of American Geographers, Chicago, USA.
- 2014 **Legun, Katharine.** "Massive Modern Packing Lines in an Era of Affected Food Markets" presented at Agri-Food XXI. Sydney, Australia

Grants, Awards, and Funding

- 2018-2023 Otago PI, The Ministry for Businesses, Innovation and Employment (MBIE, NZ Endeavour Grant), "Data informed decision making and automation in orchards and vineyards,"
- 2018 Otago Primary Investigator, AgriBusiness Development Group, "Sustainability Analysis of the New Zealand Kiwifruit Industry"
- 2014-2018 Social Pillar Leader, The Ministry for Businesses, Innovation and Employment (MBIE, NZ), "Sustainability Dashboard Project" (<http://www.nzdashboard.org.nz>),
- 2017 Otago CALT Grant, "Environmental literacy, global perspective and social responsibility: key learning-outcomes?" Assessing the application of graduate student attributes across nine divisions at Otago, in collaboration with 17 staff members
- 2015 University of Otago (NZ) Research Grant "Club Apples: Co-operatively Owned Patented Apple Varieties in an International Context"
- 2012-2013 National Science Foundation (USA), Doctoral Dissertation Improvement Grant, "A Club Apple Society: What this New Economic Organization says about the Nature of Markets"
- 2009 -2012 Social Sciences and Humanities Research Council (Canada), Doctoral Fellowship, "Cultivating Institutions: Relationships between landscapes and the organization of economic markets"
- 2012 International Sociological Association RC02 "Economy and Society", Graduate Student Paper Award, "A Club Apple Society: The Biosocial Impacts of Economic Institutions and Materiality of Markets"

Teaching

Main Areas: Science and Technology Studies, Data Ethics, Science Communication

2021-annually	Lecturer and Course Coordinator, CPT 53806: Internet-Based Communication and Learning for Social Change, 3 rd year undergraduate, Wageningen
2020-annually	Lecturer, CPT-30503: Data Ethics, Master's course, Wageningen
2020-annually	Lecturer and Course Coordinator for CPT-38006: Science Communication 2.0 – Master's course, Wageningen
2018	Lecturer and Course Coordinator for SOCI309: Science, Technology and Post-Capitalist Futures - 3 rd year undergraduate, Otago
2013-2019	Lecturer and Course Coordinator for SOCI302: Theories of Social Power - 3 rd year undergraduate, Otago
2015- 2019	Lecturer and Course Coordinator for SOCI208: Environmental Sociology - 2 nd year undergraduate, Otago
2014	Lecturer and Course Coordinator for SOCI419: Environmental Sociology - graduate, Otago
2014 - 2019	Co-teacher for ENV111: Environment and Society - 1 st year undergraduate, Otago
2014 – 2016	Co-teacher for SOCI202: Sociological Theory - 2 nd year undergraduate, Otago
2017 – 2019	Co-teacher for MFCO222: Science, Technology and Society - 2 nd year undergraduate, Otago

Service and Outreach

2018–2019	Board Member, Science Communication Minor, University of Otago
2018–present	Executive Committee, ISA RC-40: Research Committee on Agriculture and Food, International Sociological Association
2017–2019	Australasian regional representative, RC-40: Research Committee on Agriculture and Food, International Sociological Association
2017–2019	Executive Committee Member, Sociological Association of Aotearoa New Zealand
2017	Panel Organizer, Environmental Responsibility at the University, Dec 9 th , University of Otago, in collaboration with Dr Manuel Vallee (Auck),
2017	Workshop Mentor, Agrifood XXIV Preconference Workshop, Nov 28-30 th , Bandung, Indonesia
2013–2015	Department Seminar Committee, Department of Sociology, Gender, Social Work, University of Otago
2015	Conference Committee, Agri-food 2015, Queenstown, NZ
2015–2017	Humanities Representative, Tertiary Education Union
2014	Guest on radio show, “Sustainable Lens,” Dunedin 105.4fm

Talks, Seminars, and Workshops

2019	Invited online seminar, Cornell Initiative for Digital Agriculture, Cornell University, USA
2019	Visiting Research Fellow, Collaborative Research Centre, Technische Universität Berlin
2018	Visiting scholar roundtable, Science & Justice Research Centre,

	University of California, Santa Cruz, USA
2018	Seminar, Department of Sociology, University of Victoria, Canada
2017	Talk, Youth for SDGs, 'Know your Goals, Special Lecture on Sustainable Development Goals,' University of Otago, NZ
2017	Seminar, Environmental Change Institute, University of Oxford, UK
2017	Invited workshop participation, Anthropology, University of Amsterdam, NL
2015	Invited lecture, Department of Geography, Massey University, NZ

Supervision

Doctorate

Abbigale Virens (PhD candidate in Sociology): primary supervisor, current, 1/7/2017 – scheduled 1/7/2020. “Food foraging as a diverse economy in Dunedin”

Rudi Kresna (PhD candidate in Sociology): primary supervisor, current, 1/1/2017 – scheduled 1/6/2020. “Social capital and access to forest resources for smallholder dairy farmers in Indonesia”

Katharine Cresswell Riol (PhD candidate in Sociology): primary supervisor, current, 1/6/2016 – scheduled 1/5/2020. “The Right to Food and the role of food banks in New Zealand”

Karly Burch (PhD awarded in Sociology): co-supervisor, graduated, 1/5/2015 – 1/6/2018. “A vibrant institutional analysis of citizen engagement in food safety after the Tepco nuclear disaster in Japan.” Karly’s dissertation was awarded an “exceptional thesis” designation by the University of Otago and is now a Postdoctoral Fellow at the University of Otago

Erika Szymanski (PhD awarded in Science Communication): co-supervisor, graduated, 1/7/2013 – 1/5/2016. “Making 'not the deficit model' specific: Designing texts to invite industry knowledge in wine science.” Erika is now a Research Fellow working on synthetic biology at the University of Edinburgh

Master’s

Giverny Forbes (MSc candidate in Zoology): co-supervisor, current, 1/3/2018 – scheduled 1/3/2020. “Human interactions with leopard seals in New Zealand”

Elizabeth Simmons (MA awarded in Environmental Sociology): primary supervisor, graduated, 1/3/2014 – 1/12/2017 (part time). “Sustainability governance in the Wine Industry in New Zealand”

Madeleine Hall (MA awarded in Environmental Sociology): co-supervisor, graduated, 1/2/2014 – 1/2/2016. “Evaluating nitrogen trading schemes for water quality management in Lake Taupo”