

SARAH C. WHITNALL

Née Smith

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RESEARCH FIELDS

Agricultural Economics, Econometrics, Extreme Weather, Climate Change, Adaptation, Remote Sensing

EDUCATION

Ph.D. in Agricultural and Resource Economics 2018–2023

University of California, Davis

Bachelor of Resource Economics (Honours Class 1 and the University Medal) 2012–2015

University of Sydney

EMPLOYMENT

Postdoctoral Scholar 2023–Present

University of California, Davis

Visiting Researcher 2024–Present

Commonwealth Scientific and Industrial Research Organisation (CSIRO)

Research Assistant 2019–2022

University of California, Davis

Research Assistant for Timothy K.M. Beatty and Julian M. Alston

Teaching

University of California, Davis

Instructor for ARE 139: Futures & Options Markets 2021

Evaluation score: 4.7/5.0

Teaching Assistant for ARE 172: Financial Management of the Firm 2019

Evaluation score: 4.9/5.0

Economist and Commodity Analyst 2016–2018

Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES)

RESEARCH

Publications

Cuffey, J., K. Newby & S. Smith (2024). Social Inequity in Administrative Burdens: Evidence from SNAP. *Public Administration Review*, 84(2), 338-356.

Smith, S.C. & D. Ubilava (2017). The El Niño Southern Oscillation Cycle and Growth in the Developing World. *Global Environmental Change* 45, 151-164.

Working Papers

Whitnall, S.C. & T.K.M. Beatty. Climate Change and Field-Level Crop Quality, Yield, and Revenue. Revisions Requested at JAERE.

Whitnall, S.C. & T.K.M. Beatty. Postharvest Losses from Weather and Climate Change: Evidence from a Million Truckloads. Revisions Requested at AJAE.

Whitnall, S.C. & J.M. Alston. Climate, Weather, and Collective Reputation: Implications for California's Wine Prices and Quality. Under review.

Whitnall, S.C. Doing More with Less: Margins of Response to Water Scarcity in Irrigated Agriculture.

A.E. Hill, S.C. Whitnall, E.C.A. Saunders & T.K.M. Beatty. Welfare Program Participation Among US Farmworkers.

Outreach Material

Smith, S. (2017). Wheat. *Agricultural Commodities: December quarter 2017* ABARES.

Smith, S. (2017). Wheat quality explained. *Agricultural Commodities: September quarter 2017* ABARES.

Smith, S. (2017). Wheat. *Agricultural Commodities: September quarter 2017* ABARES.

Smith, S. (2017). Wheat. *Agricultural Commodities: June quarter 2017* ABARES.

Smith, S. (2017). Wheat outlook. *Agricultural Commodities: March quarter 2017* ABARES.

Smith, S. & A. Cameron (2017). Horticulture outlook. *Agricultural Commodities: March quarter 2017* ABARES.

Brown, A., J. Fell, S. Smith & H. Valle (2016). Australian grains: Outlook for 2016–17 and industry productivity. *ABARES report prepared for the Grains Research and Development Corporation* ABARES.

Smith, S. (2016). Wheat. *Agricultural Commodities: December quarter 2016* ABARESa.

Smith, S. (2016). The EU almond industry. *Agricultural Commodities: September quarter 2016* ABARES.

Smith, S. (2016). Wheat. *Agricultural Commodities: September quarter 2016* ABARES.

Smith, S. & J. Hogan (2016). Trade in fresh fruit and vegetables. *Agricultural Commodities: June quarter 2016* ABARES.

PRESENTATIONS AND SEMINARS

- 2024 AARES Annual Meeting, Canberra; AERE@OSWEET online seminar series; ANU Crawford School Arndt-Corden Department of Economics Seminar, Canberra; Harvard Vine to Mind Symposium, Cambridge, MA; AAEA Annual Meeting, New Orleans, LA; AARES ACT Branch, Canberra; University of Western Australia, Perth; CSIRO Sustainability Seminar, Canberra.
- 2023 AARES Annual Meeting, Christchurch; AAEA Annual Meeting, Washington DC; EAAE Congress, Rennes.
- 2022 AARES Annual Meeting (online); Agricultural Economics Workshop, UC Davis; AAEA Annual Meeting, Anaheim CA.
- 2021 Giannini Foundation of Agricultural Economics Student Conference (online); AAEA Annual Meeting, Austin TX.
- 2017 Seminar to Japanese Ministry of Agriculture, Forestry and Fisheries delegation, Canberra; ABARES Research Day, Canberra; Seminar to USDA delegation, Canberra; Guest Lecture “Commodity market analysis and forecasting”, University of Sydney.
- 2016 AARES Annual Meeting, Canberra; AARES NSW Branch, Sydney; AARES ACT Branch, Canberra; ABARES Research Day, Canberra.

RESEARCH GRANTS AND FELLOWSHIPS

- 2023-2026 USDA - NIFA, AFRI \$650,000; role: Co-PI (with T.K.M Beatty)
2021-2022 Giannini Foundation of Agricultural Economics Grant \$30,000; role: Co-PI (with T.K.M. Beatty)
2020-2021 Giannini Foundation of Agricultural Economics Grant \$30,000; role: Co-PI (with J.M. Alston)

FELLOWSHIPS AND AWARDS

- 2024 AAEA Outstanding Doctoral Dissertation Award Honorable Mention
2022-2023 Provost's Dissertation Year Fellowship in the Arts, Humanities and Social Sciences, UC Davis
2022 Crawford Fund Scholar
2021 Henry A. Jastro Graduate Research Scholarship Award, UC Davis
2021 AARES-Crawford Fund Award
2021 Scott McNiven Community Service Award, UC Davis
2018 Non-Resident Tuition Fellowship, UC Davis
2016 Australian Agricultural and Resource Economics Society Undergraduate Award
2015 University Medal, University of Sydney
2015 Academic Merit Prize, University of Sydney
2015 Bruce Davidson Prize in Resource Economics, University of Sydney
2015 Dean's List for Academic Excellence, University of Sydney
2015 John Neil Downing Memorial Prize in Practical Agriculture, University of Sydney
2014 Alan Randall Prize in Resource Economics, University of Sydney
2013 The Belmore Scholarship, University of Sydney
2013 Warren F Musgrave Prize in Resource Economics, University of Sydney
2012 John Arthur Cran Prize in Agriculture, University of Sydney
2012-2015 Faculty of Agriculture Undergraduate Merit Scholarship, University of Sydney

ACADEMIC SERVICE

- 2024-present **Committee Member.** Australasian Agricultural & Resource Economics Society ACT Branch.
2021-2023 **Graduate Student Liaison.** Agricultural & Applied Economics Association.
2018-2022 **Committee Member.** UC Davis ARE Social Committee.
2019-2022 **Co-Organizer.** UC Davis ARE and Economics Econometrics Reading Group.
2020-2021 **Co-President.** UC Davis ARE Graduate Student Association.
2020 **Co-Organiser.** UC Davis ARE Anti-Racism in Economics Reading Group.
2018-2019 **Committee Member.** Australasian Agricultural & Resource Economics Society ACT Branch.