

Publications

David J. PANNELL

Books

1. Adenle, A.A., Chertow, M.R., Moors, E.H.M. and Pannell, D.J. (eds) (2020). *Science, Technology and Innovation for Sustainable Development Goals: Insights from Agriculture, Health, Environment and Energy*, Oxford University Press, New York, 567 pp.
2. Pannell, D.J. and Vanclay, F.M. (eds) (2011). *Changing Land Management: Adoption of New Practices by Rural Landholders*, CSIRO Publishing, Canberra.
3. Pannell, D.J. and Schilizzi, S. (eds) (2006). *Economics and the Future: Time and Discounting in Private and Public Decision Making*, Edward Elgar, Cheltenham, UK and Northampton, MA, USA.
4. Pannell, D.J. (1997). *Introduction to Practical Linear Programming*, Wiley Interscience, New York, 333 pp.
5. Kingwell, R.S. and Pannell, D.J. (Eds) (1987). *MIDAS, A Bioeconomic Model of a Dryland Farm System*, Pudoc, Wageningen, 207pp.

Refereed journal articles

1. Pannell, D.J. (2023). Quantitative analysis of the evolution of The Beatles' releases for EMI, 1962 – 1970, *The Journal of Beatles Studies*, Spring/Autumn, <https://doi.org/10.3828/jbs.2023.5>
2. Doll, C.A., Burton, M.P., Pannell, D.J., and Rollins, C.L. (2023). Are greenspaces too green? Landscape preferences and water use in urban parks, *Ecological Economics* 211, 107896.
3. Po, M., Pannell, D., Walker, I., Tapsuwan, S., Dempster, F., Mendham, D.S., Beadle, C., Dong, T.L., Tran, A.H., Thi, H.L., and Ha, D.T.H. (2023). Supporting smallholder acacia farmers in Viet Nam to transition to sawlog production: Opportunities and challenges, *Trees, Forests and People* 12, 100384.
4. Shea, K. et al. (2023). Multiple Models for Outbreak Decision Support in the face of Uncertainty, *PNAS* (forthcoming).
5. Polyakov, M., Dempster, F., Park, G. and Pannell, D.J. (2023). Joining the dots versus growing the blobs: evaluating spatial targeting strategies for ecological restoration, *Ecological Economics* 204, 107671.
6. Wallace, K., Kiatkoski Kim, M., Álvarez-Romero, J.G., Pannell, D., Hill, R., Marshall, M. (2022). A well-being framework for cross-cultural assessment of development scenarios: A case study from North-Western Australia, *People and Nature* 4(6), 1575-1591.

7. Po, M., Pannell, D.J., Walker, I., Dempster, F., Tapsuwan, S., Mendham, D.S., Hardiyanto, E.B., Wibisono, G. and Oktalina, S.N. (2022). Influence of intrinsic and extrinsic factors on farmer decisions to adopt acacia best management practices in Gunungkidul, Indonesia, *Agroforestry Systems* 96(8), 1103-1119.
8. Zander, K.K., Burton, M., Pandit, R., Gunawardena, A., Pannell, D. and Garnett, S.T. (2022). How public values for threatened species are affected by conservation strategies, *Journal of Environmental Management* 319, 115659.
9. Wallace, K.J., Wagner, C., Pannell, D.J., Kiatkoski Kim, M., and Rogers, A. (2022). Tackling communication and analytical problems in environmental planning: Expert assessment of key definitions and their relationships. *Journal of Environmental Management* 317, 115352.
10. Doll, C., Polyakov, M., Pannell, D.J. and Burton, M.P. (2022). Rethinking urban park irrigation under climate change, *Journal of Environmental Management* 314, 115012. <https://doi.org/10.1016/j.jenvman.2022.115012>
11. Kiatkoski Kim, M., Douglas, M.M., Pannell, D., Setterfield, S., Hill, R., Laborde, S., Perrott, L., Alvarez-Romero, J., Beesley, L., Canham, C. and Brecknell, A. (2022). When to use transdisciplinary approaches for environmental research, *Frontiers in Environmental Science* 10:840569. doi: 10.3389/fenvs.2022.840569
12. Iftekhar, Md.S. and Pannell, D.J. (2022). Developing an integrated investment decision-support framework for water-sensitive urban design projects, *Journal of Hydrology* 607, 127532, 1-9.
13. Pannell, D.J. and Rogers, A.A. (2022). Agriculture and the environment: Policy approaches in Australia and New Zealand, *Review of Environmental Economics and Policy* 16(1), 126-145.
14. Kiatkoski Kim, M., Álvarez-Romero, J.G., Wallace, K., Pannell, D., Hill, R., Adams, V.M., Douglas, M. and Pressey, R.L. (2021). Participatory multi-stakeholder assessment of alternative development scenarios in contested landscapes, *Sustainability Science* 10, 221–241.
15. Powell, J.W., Welsh, J.M., Pannell, D. and Kingwell, R. (2021). Factors influencing Australian sugarcane irrigators' adoption of solar photovoltaic systems for water pumping, *Cleaner Engineering and Technology* Volume 4, October 2021, 100248, <https://doi.org/10.1016/j.clet.2021.100248>
16. Montes de Oca Munguia, O., Pannell, D.J., Llewellyn, R. and Stahlmann-Brown, P. (2021). Adoption pathway analysis: Representing the dynamics and diversity of adoption for agricultural practices, *Agricultural Systems* 191, 103173.
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19. Snow, V., Rodriguez, D., Dynes, R., Kaye-Blake, W., Mallawaarachchi, T., Zydenbos, S., Cong, L., Obadovici, I., Agnew, R., Amery, N., Bell, L., Benson, C., Clinton, P., Dreccer, F., Dunningham, A., Gleeson, M., Harrison, M., Hayward, A.,

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20. Wallace, K.J., Jago, M., Pannell, D.J. and Kim, M.K. (2021). Wellbeing, values, and planning in environmental management, *Journal of Environmental Management* 277, 111447. <https://doi.org/10.1016/j.jenvman.2020.111447> (forthcoming).
 21. Pannell, D.J. and Adamowicz, W.L. (2021). What Can Environmental Economists Learn from the COVID-19 Experience? *Applied Economic Perspectives and Policy* 43(1), 105-119.
 22. Montes de Oca Munguia, O., Pannell, D.J. and Llewellyn, R. (2020). Is it the model or is it the process of using it? Extension officers evaluate ADOPT as a tool to assist planning in the pastoral sector, *Rural Extension and Innovation Systems Journal* 16(1), 13 pp.
 23. Shea, K., Runge, M.C., Pannell, D., Probert, W., Shou-Li, L., Tildesley, M. and Ferrari, M. (2020). Harnessing the power of multiple models for outbreak management, *Science* 368(6491), 577-579.
 24. Rogers, A.A., Burton, M.P., Cleland, J. A., Rolfe, J. C., Meeuwig, J. J. and Pannell, D.J. (2020). Expert judgements and community values: preference heterogeneity for protecting river ecology in Western Australia, *Australian Journal of Agricultural and Resource Economics* 64(2), 266-293.
 25. Shoghi Kalkhoran, S., Pannell, D., White, B., Polyakov, M. and Thamo, T. (2020). Optimal lime rates for soil acidity mitigation: impacts of crop choice and nitrogen fertilizer in Western Australia, *Crop and Pasture Science* 71(1) 36-46 <https://doi.org/10.1071/CP19101>.
 26. Xie, Z., Game, E.T., Hobbs, R.J., Pannell, D.J., Phinn, S.R., and McDonald-Madden, E. (2020). Conservation opportunities on uncontested lands, *Nature Sustainability* 3, 9–15.
 27. Pannell, D.J. and Zilberman, D. (2020). Understanding adoption of innovations and behavior change to improve agricultural policy. *Applied Economic Perspectives and Policy* 42(1), 3-7.
 28. Pannell, D.J. and Claassen, R. (2020). The roles of adoption and behavior change in agricultural policy, *Applied Economic Perspectives and Policy* 42(1), 31-41.
 29. Streletskaya, N.A., Bell, S.D., Kecinski, M., Li, T., Banerjee, S., Palm-Forster, L.H. and Pannell, D.J. (2020). Agriculture adoption and behavioral economics: bridging the gap. *Applied Economic Perspectives and Policy* 42(1), 54-66.
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34. Xie, Z., Phinn, S.R., Game, E.T., Pannell, D.J., Hobbs, R.J., Briggs, P.R. and McDonald-Madden, E. (2019). Using Landsat observations (1988-2017) and Google Earth Engine to detect vegetation cover changes in rangelands - a first step towards identifying degraded lands for conservation, *Remote Sensing of Environment* 232, 111317.
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