# Oscar Cacho Full Publication List – Updated 25/05/2019

## Journal Papers

Tighe K., Piggott N., Cacho O., Mounter S., Villano R.2019. Testing for pre-committed quantities of Australian meat demand. *Australian Journal of Agricultural and Resource Economics*. 63:247-264.

Bateman, L., Yi, D, **Cacho**, O.J., Stringer, R. 2018. Payments for environmental services to
strengthen ecosystem connectivity in an agricultural landscape. *Environment and Development Economics*. 1-20.

Henderson B., **Cacho** O., Thornton P., van Wijk M., Herrero M. 2018. Climate change impacts and options for mixed smallholder farmers in Burkina Faso. *Agricultural Systems*. 167: 195-205.

Mohammadi, A. Cowie, A.L., Cacho, O. Kristiansen, P. Mai, T.L.A. Joseph, S. 2017. Biochar addition in rice farming systems: economic and energy benefits. *Energy*. 140: 415-425.

Tighe, K., **Cacho**, O., Mounter, S., Villano, R., Ball, A., Pethick, D and Fleming E. 2017. Determinants of consumer willingness to pay for quality-graded Australian sheep meat. *Animal Production Science*.

Hester, S.M. and **Cacho**, O.J. 2017. The contribution of passive surveillance to invasive species management. *Biological Invasions*. 19:737–748.

Henderson, B., Golub, A., Pambudi, D., Hertel, T., Godde, C., Herrero, M., **Cacho**, O. and Gerber, P. 2017. The power and pain of market-based carbon policies: a global application to greenhouse gases from ruminant livestock production. *Mitigation and Adaptation Strategies for Global Change*.

Behrendt, K., **Cacho**, O., Scott, J.M and Jones, R. 2016. Using Seasonal Stochastic Dynamic Programming to identify optimal management decisions that achieve maximum economic sustainable yields from grasslands under climate risk. *Agricultural Systems*. 145: 13-23

Henderson, B., Godde, C., Medina-Hidalgo, D., van Wijk, M., Silvestri, S., Douxchamps, S., Stephenson E., Power, B., Rigolota, C., **Cacho**. O., Herrero, M. 2016. Closing system-wide yield gaps to increase food production and mitigate GHGs among mixed crop–livestock smallholders in Sub-Saharan Africa. *Agricultural systems*, 143: 106-113.

Shabani, F., **Cacho**, O., & Kumar, L. 2016. Effects of climate change on economic feasibility of future date palm production: An integrated assessment in Iran. *Human and Ecological Risk Assessment. 22: 1268-1287.*

Zull, A.F., Lawes, R.A. and **Cacho**, O. J. 2016. A crowding-dependent population model for woody weeds – where size does matter. *Environmental Modelling and Software*. 76: 108-116.

Spring, D. and **Cacho**, O.J. 2015. Estimating eradication probabilities and trade-offs for decision analysis in invasive species eradication programs. *Biological Invasions*.17: 191-204.

Cacho, O.J., Milne, S., Gonzalez, R. and Tacconi, L. 2014. Benefits and costs of deforestation by smallholders: Implications for forest conservation and climate policy. *Ecological Economics*. 107: 321–332.

Panetta, F. D. and **Cacho**, O.J. 2014. Designing weed containment strategies: An approach based on feasibilities of eradication and containment. *Diversity and Distributions*. 20: 555-566.

Power, B., **Cacho**, O.J. 2014. Identifying risk-efficient strategies using stochastic frontier analysis and simulation: an application to irrigated cropping in Australia. *Agricultural Systems*. 125: 23-32.

Behrendt, K., **Cacho**, O., Scott, J.M and Jones, R. 2013. Optimising pasture and grazing management decisions on the Cicerone Project farmlets over variable time horizons. *Animal Production Science*. 53:796-805.

Behrendt, K., Scott, J.M, **Cacho**, O. and Jones, R. 2013. Simulating the impact of fertiliser strategies and prices on the economics of developing and managing the Cicerone Project farmlets under climatic uncertainty. *Animal Production Science*. 53: 806-816.

**Cacho**, O.J., Lipper, L. and Moss, J. 2013. Transaction costs of carbon offset projects: a comparative study. *Ecological Economics.* 88: 232-243.

Hester, S.M., **Cacho**, O.J., Panetta, F.D. and Hauser, C.E. 2013. Economic aspects of weed risk management. *Diversity and Distributions.* 19 (5-6): 580-589.

Scott, F., **Cacho**, O. and Scott, J.M. 2013. Economic risk analysis of different livestock management systems. *Animal Production Science*. 53:788-795.

Scott, F., Scott, J.M and **Cacho**, O. 2013. Whole-farm returns show true profitability of three different livestock management systems. *Animal Production Science*. 53:780-787.

Scott, JM, Behrendt. K, Colvin, A, Scott, F, Shakhane, LM, Guppy, C, Hoad, J, Gaden, CA, Edwards, C Hinch, GN, **Cacho**, OJ, Donald, GE, Cottle, D, Coventry, T, Williams, G and Mackay, DF. 2013. Integrated overview of results from a farmlet experiment which compared the effects of pasture inputs and grazing management on profitability and sustainability. *Animal Production Science* 53:841-855.

Sinden, J., Downey, P., **Cacho**, O. and Hester, S. 2013. Cost effectiveness in site selection to protect native plant communities from the weed, bitou bush, in New South Wales, Australia. *Journal of Environmental Management*. 128: 1071-1080

Hester, S.M and **Cacho**, O.J. 2012. Optimisation of search strategies in managing biological invasions: a simulation approach. *Human and Ecological Risk Assessment*. 18(1): 181-199.

Panetta, F. D. and **Cacho**, O.J. 2012. Beyond fecundity control: which weeds are most containable?. *Journal of Applied Ecology*. 49: 311-321.

**Cacho**, O.J. and Hester S.M. 2011. Deriving efficient frontiers for effort allocation in the management of invasive species. *Australian Journal of Agricultural and Resource Economics*. 55: 72-89.

Mewton, R. and **Cacho**, O.J. 2011. Green Power voluntary purchases: Price elasticity and policy analysis. *Energy Policy*. 39: 377–385.

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Wise, R.M. and **Cacho**, O.J. 2011. A bioeconomic analysis of the potential of Indonesian agroforests as carbon sinks. *Environmental Science & Policy*. 14: 451-461.

**Cacho**, O.J., Hester, S., Spring, D. and Mac Nally, R. 2010. Allocating surveillance effort in the management of invasive species: a spatially-explicit model. *Environmental Modelling and Software*. 25: 444-454.

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Guy, J.A, Johnston, B. and **Cacho**, O.J. 2009. Economic assessment of an intra-specific cross of silver perch (*Bidyanus bidyanus* Mitchell) for commercial farming. *Aquaculture Economics and Management*. 13(4): 328-343.

**Cacho**, O.J., Hean, R. and Karanja, F. 2008. Accounting for carbon sequestration and its implications for land-use change and forestry projects. *CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources*. 3 (077): 1-17.

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Wise, R.M., **Cacho**, O.J. and Hean, R.L. 2007. Fertilizer effects on the sustainability and profitability of agroforestry in the presence of carbon payments. *Environmental Modelling and Software*. 22: 1372-1381.

Alford, A., **Cacho**, O.J., Davies, B.L. and Griffith, G.R. 2006. An economic model of the Northern Tablelands grazing system for assessing wool industry technologies in a whole-farm context. *International Journal of Sheep and Wool Science*.54 (3): 26-54.

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**Cacho**, O.J. Marshall, G.R. and Milne, M. 2005. Transaction and abatement costs of carbon-sink projects in developing countries, *Environment and Development Economics* 10(5): 597–614.

Odom, D.I.S., Sinden, J.A., **Cacho,** O.J., and Griffith, G.R. 2005. Economics issues in the management of plants invading natural environments: Scotch broom in Barrington Tops National Park. *Biological Invasions* 7: 445–457**.**

Simmons, P. and **Cacho**, O.J. 2005. A possible conflict between economic efficiency and political pressure. *Computational Economics*. 26: 129-140.

Sinden, J. Jones, R., Hester, S., Odom, D., Kalisch, D., James, R., **Cacho**, O. and Griffith, G. 2005. The economic impact of weeds in Australia. *Plant Protection Quarterly*. 20 (1): 25-32.

Wise, R.M. and **Cacho**, O.J. 2005 A bioeconomic analysis of carbon sequestration in farm forestry: a simulation study of *Gliricidia sepium*. *Agroforestry Systems*. 64: 237-250.

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**Cacho**, O.J., Wise, R. and MacDicken, K. 2004 Carbon monitoring costs and their effect on incentives to sequester carbon through forestry. *Mitigation and Adaptation Strategies for Global Change*. 9 (3): 273 – 293.

Keys, S., Crocos, P. and Cacho. O.J. 2004.Commercial growout performance and cost-benefit analysis for farm production of the brown tiger shrimp *Penaeus esculentus*. *Aquaculture Economics and Management*. 8 (5-6): 295-308.

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Purnamasari, R., **Cacho**, O.J. and Simmons, P. 2002. Management strategies for Indonesian rubber production under yield and price uncertainty: a bioeconomic analysis’. *Agroforestry Systems.* 54: 121-135.

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## Books

[**Cacho,** O., Hean, R., Ginoga, K., Wise, R., Djaenudin, D., Lugina, M., Wulan, Y., Subarudi, Lusiana, B., van Noordwijk, M. and Khasanah, N. 2008. Economic potential of land-use change and forestry for carbon sequestration and poverty reduction. ACIAR Technical Reports No. 68, 98 pp. ISBN 978 1 921434 33 4.](http://www.aciar.gov.au/publication/TR68)

Sinden, J. Jones, R., Hester, S., Odom, D., Kalisch, D., James, R. and **Cacho**, O. 2004. The economic impact of weeds in Australia. CRC For Australian Weed Management, Technical Series # 8. ISBN 1-920932-47. 55pp.

## Book Chapters

**Cacho,** O., Paolantonio, A., Branca, G., Cavatassi, R., Arslan, A. and Lipper, L. 2018. Identifying Strategies to Enhance the Resilience of Smallholder Farming Systems: Evidence from Zambia. In: Lipper, L., McCarthy, N., Zilberman, D., Asfaw, S., and Branca, G. (eds.). Climate smart agriculture, building resilience to climate change. Natural Resource Management and Policy. Vol. 52 pp. 425-441. Springer.

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Wise, R.M. and **Cacho**, O.J. 2008. Optimal land-use with carbon payments and fertilizer subsidies in Indonesia. In Otsuka, K and Kalirajan, K. Agriculture in developing countries, technology issues. Sage Publications, New Delhi. pp 81-99.

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**Cacho**, O.J., Marshall, G.R. and Milne, M. 2003. Smallholder agroforestry projects: potential for carbon sequestration and poverty alleviation. Agriculture and Economic Development Analysis Division, The Food and Agriculture Organization of the United Nations (FAO). ESA Working Paper, 03-06. (http://www.fao.org/es/esa/pdf/wp/ESAWP03\_06.pdf).

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