

# DR KATRINA J. DAVIS

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## EDUCATION & APPOINTMENTS

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- 2019–Present **Research Fellow**, Department of Zoology, University of Oxford
- 2018–2019 **Research Fellow**, Land, Environment, Economics & Policy Institute, University of Exeter
- 2017–Present **Visiting Scholar**, Interdisciplinary Centre for Conservation Science, University of Oxford
- 2017–Present **Adjunct Research Fellow**, Centre of Excellence in Environmental Decisions, University of Queensland (Australia)
- 2015–Present **Adjunct Research Fellow**, School of Agriculture and Environment, University Western Australia
- 2015–2017 **Postdoctoral Research Fellow**, Centre of Excellence in Environmental Decisions, University of Queensland (Australia)
- 2012–2016 **PhD in Environmental & Resource Economics**, University of Western Australia  
*Thesis title:* Economic benefits and costs of spatial marine management  
*Supervisors:* Prof David Pannell, Dr Marit Kragt, Dr Steven Schilizzi
- 2008–2012 **BSc, First Class Honours in Environmental and Natural Resource Economics**  
University of Western Australia (Australia)  
Including one year at La Pontificia Universidad Católica de Chile  
*Honours dissertation title:* Determining the cost-effectiveness of Phytophthora cinnamomi management in the Fitzgerald River National Park
- 2008–2012 **Laboratory and Field Work Assistant**, Australian Herbicide Resistance Initiative, University of Western Australia
- 2006 **Field aide**, Archelon Sea Turtle Protection Society of Greece
- 2002–2004 **BA in Dance**, Western Australian Academy of Performing Arts, Edith Cowan University

## RESEARCH INTERESTS

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<b>Optimal land/sea use</b>	<b>Bioeconomic modelling</b>	<b>Discrete choice experiments</b>
- Spatial optimisation	- Fisher–marine mammal conflict	- Hierarchical information integration
- Non-market values	- Value of information	- Best-worst scaling
- Ecological connectivity	- Fishery habitat impacts	- Scale heterogeneity

## AWARDS & GRANTS

**AWARDED: £1,273,839 | IN REVIEW £\$2,511,283**

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- In Review* “Understanding, quantifying and predicting conflict between marine mammals and fisheries”, Dorothy Hodgkin Fellowship, Royal Society, £736,389 [PI]
- “Building capacity on economic analyses for Marine Protected Areas,” University of Western Australia Research Impact Grant, £9,109 [Co-I]
- “Unravelling the hidden mechanisms that cause conflict between marine mammals and fisheries,” University of Oxford John Fell Fund, £93,563 [Co-I]
- “Marine mammal and fisheries conflict: the conservation and human-welfare impacts at regional and global scales,” Independent Research Fellowship, Natural Environment Research Council, £742,897 [PI]
- “Hidden trade-offs in the production of marine ecosystem services will impact social welfare,” Marie Skłodowska-Curie Individual Fellowship, European Research Council Horizon 2020, £192,936 [PI]
- “Understanding, quantifying and predicting conflict between marine mammals and fisheries”, University Research Fellowship, Royal Society, £736,388 [PI]
- 2018 “Water quality management underpinning sustainable aquaculture and its expansion in SW England” South West Partnership for Environmental and Economic Prosperity Impact Project, the Natural Environment Research Council, 2019-2021, £921,051 [Co-I]

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- 2017 “Decision support for the 25 Year Environment Plan: The North Devon Biosphere and Pioneer,” South West Partnership for Environmental and Economic Prosperity Impact Project, the Natural Environment Research Council, 2017-2021, £266,547 [Co-I]  
International Visiting Fellowship, Australian Research Council Centre of Excellence for Environmental Decisions, AU\$5,400  
Postgraduate Thesis Award, Australian Agricultural and Resource Economics Society, AU\$500
- 2016 Working Group, “What insights can behavioural economics provide for ‘panic clearing’ in Queensland?” Australian Research Council Centre of Excellence for Environmental Decisions, AU\$10,000 [PI]
- 2015 Award for Higher Degree by Research Achievement: ‘Best work accepted for publication’, University of Western Australia, AU\$1,000  
Quality of Research Communication Award, Australian Agricultural and Resource Economics Society, AU\$250
- 2014 Conference Travel Award, Postgraduate Student’s Association, University of Western Australia, AU\$900  
Travel Award, Graduate Research & Scholarship Office, University of Western Australia, AU\$1,850
- 2013 Western Australian Marine Science Postgraduate Award, UNESCO IOC Perth Program Office/IMarEST, AU\$150  
Early Career Researcher Visiting Fellowship, Australian Research Council Centre of Excellence for Environmental Decisions, AU\$7,500
- 2012 Best First-Time Presenter Award, 56th Annual Conference of the Australian Agricultural and Resource Economics Society, AU\$100  
Australian Postgraduate Award, Australian Government, AU\$78,302  
Safety Net Top-Up, University of Western Australia, AU\$11,550  
Top-Up Scholarship, Centre of Excellence for Environmental Decisions, AU\$33,000
- 2010 Australia University Mobility in Asia and the Pacific Scholarship, University Mobility in Asia and the Pacific, AU\$5,000

**PUBLICATIONS**

H-INDEX: 5; CITATIONS: 61 | 112 (SCOPUS | GSCHOLAR)

PUBLISHED MANUSCRIPTS

<sup>^</sup> STUDENT MENTEE

16. Guerrero-Gonzalez A, M Barnes, Ö Bodin, I Chadès, **KJ Davis**, MS Iftekhar, C Morgans, & KA Wilson. *In press*. Key considerations and future challenges in the application of social network research for environmental decision making. Conservation Biology.
15. Ritchie, P, G Smith, **KJ Davis**, C Fezzi, S Halleck-Vega, A Harper, C Boulton, A Binner, B Day, A Gallego-Sala, J Mecking, S Sitch, T Lenton & IJ Bateman. *In press*. Shifts in national land use and food production in Great Britain after a climate tipping point. Nature Food.
14. **Davis, KJ**, GMS Vianna, J Meuwig, MG Meekan, & DJ Pannell. 2019. Challenges in estimating the economic benefits and costs of marine protected areas. Ecosphere, 10, e02879. DOI [10.1002/ecs2.2879](https://doi.org/10.1002/ecs2.2879).
13. Pearson, RG, E Martínez-Meyer, MA Velázquez, M Caron, RO Corona-Núñez, **KJ Davis**, AP Durán, R García-Morales, TD Hackett, DJ Ingram, RL Díaz, J Lescano, A Lira-Noriega, Y López-Maldonado, D Manuschevich, A Mendoza, B Milligan, SC Mills, D Moreira-Arce, LF Nava, V Oostra, N Owen, D Prieto-Torres, C Soto, T Smith, AJ Suggitt, CT Haristoy, J Velásquez-Tibatá, S Díaz & PA Marquet. 2019. Research priorities for maintaining biodiversity’s contributions to people in Latin America. UCL Open Environment, 1-4. DOI [10.14324/111.444/ucloe.000002](https://doi.org/10.14324/111.444/ucloe.000002).
12. **Davis, KJ**, I Chadès, JR Rhodes & M Bode. 2019. General rules for environmental management to prioritise social-ecological systems research based on a value of information approach. Journal of Applied Ecology, 56, 2079-2090. 10.1111/1365-2664.13425. DOI [10.1111/1365-2664.13425](https://doi.org/10.1111/1365-2664.13425).
11. Cáceres-Escobar, H, S Kark, S Atkinson, HP Possingham & **KJ Davis**. 2019. Integrating local knowledge to prioritise invasive species management. People and Nature, 1, 220-233. DOI [10.1002/pan3.27](https://doi.org/10.1002/pan3.27).
10. Morello, T, S Martino, AF Duarte, L Anderson, **KJ Davis**, S Silva & IJ Bateman. 2019. Fire, Tractors, and Health in the Amazon: A Cost-Benefit Analysis of Fire Policy. Land Economics, 95, 409-434. DOI [10.3368/le.95.3.409](https://doi.org/10.3368/le.95.3.409).

9. **Davis, KJ**, M Burton & ME Kragt. 2019. Scale Heterogeneity and Its Implications for Discrete Choice Analysis. *Land Economics*, 95, 353-368. DOI [10.3368/le.95.3.353](https://doi.org/10.3368/le.95.3.353).
8. Wilson, KA, **KJ Davis**, V Matzek & ME Kragt. 2019. Concern about threatened species and ecosystem disservices underpin public willingness to pay for ecological restoration. *Restoration Ecology*, 27, 513-519. DOI [10.1111/rec.12895](https://doi.org/10.1111/rec.12895).
7. **Davis, KJ**, M Burton, A Rogers, A Spencer-Cotton & R Pandit. 2019. Eliciting Public Values for Management of Complex Marine Systems: An Integrated Choice Experiment. *Marine Resource Economics*, 34, 1-21. DOI [10.1086/701303](https://doi.org/10.1086/701303).
6. **Davis, KJ**, A Binner, A Bell, B Day, T Poate, S Rees, G Smith, K Wilson & I Bateman. 2019. A generalisable integrated natural capital methodology for targeting investment in coastal defence. *Journal of Environmental Economics and Policy*, 8, 429-446. DOI [10.1080/21606544.2018.1537197](https://doi.org/10.1080/21606544.2018.1537197).
5. McGowan, J, M Bode, MH Holden, **KJ Davis**, NC Krueck, M Beger, KL Yates & HP Possingham. 2018. Ocean zoning within a sparing versus sharing framework. *Theoretical Ecology*, 11, 245-254. DOI [10.1007/s12080-017-0364-x](https://doi.org/10.1007/s12080-017-0364-x).
4. Law, EA, NJ Bennett, CD Ives, R Friedman, **KJ Davis**, C Archibald & KA Wilson. 2018. Equity trade-offs in conservation decision making. *Conservation Biology*, 32, 294-303. DOI [10.1111/cobi.13008](https://doi.org/10.1111/cobi.13008).
3. Law, EA, PJ Ferraro, P Arcese, BA Bryan, **KJ Davis**, A Gordon, MH Holden, G Iacona, R Marcos Martinez, CA McAlpine, JR Rhodes, JS Sze & KA Wilson. 2017. Projecting the performance of conservation interventions. *Biological Conservation*, 215, 142-151. DOI [10.1016/j.biocon.2017.08.029](https://doi.org/10.1016/j.biocon.2017.08.029).
2. **Davis, KJ**, ME Kragt, S Gelcich, M Burton, S Schilizzi & DJ Pannell. 2017. Why are Fishers not Enforcing Their Marine User Rights? *Environmental and Resource Economics*, 67, 661-681. DOI [10.1007/s10640-015-9992-z](https://doi.org/10.1007/s10640-015-9992-z).
1. **Davis, KJ**, M Kragt, S Gelcich, S Schilizzi & D Pannell. 2015. Accounting for enforcement costs in the spatial allocation of marine zones. *Conservation Biology*, 29, 226-237. DOI [10.1111/cobi.12358](https://doi.org/10.1111/cobi.12358).

MANUSCRIPTS UNDER REVIEW OR \*\* REVISIONS

<sup>^</sup> *STUDENT MENTEE*

\*\* <sup>^</sup>McCormick, H, R Salguero-Gómez, M Mills, & **KJ Davis**. Using a residency index to estimate the value of saltmarsh for fisheries. *Conservation Science & Practice*.

\*\* Klein, CJ, V Adams, C Brown, A Chauvenet, **KJ Davis**, ET Game, BS Halpern, J Lynham, B Mappin, KA Selkoe, JEM Watson, & HP Possingham. Socially equitable conservation policies can compromise biodiversity outcomes. *Conservation Biology*.

\*\* Ospina-Alvarez, A, S de Juan, **KJ Davis**, C Fernández, S Navarrete, & M Fernández. Integration of biophysical connectivity in the spatial optimization of ecosystem services. *Journal of Applied Ecology*.

Chauvenet, ALM, V Adams, **KJ Davis**, CJ Klein, M DiMarco, C Kuempel, B Mappin, HP Possingham, O Venter, & JEM Watson. Prioritising representation achieves big wins in the race between habitat conversion and protection. *Proceedings of the National Academy of Sciences*.

<sup>^</sup>Brown J, M Burton, **KJ Davis**, MS Iftekhar, SB Olsen, BA Simmons, N Strange, & K Wilson. Land holder preferences for non-financial incentives to prevent land clearing. *Land Economics*.

MANUSCRIPTS IN PREPARATION (FULL MANUSCRIPT AVAILABLE UPON REQUEST)

<sup>^</sup> *STUDENT MENTEE*

**Davis KJ**, M Mills, W Arlidge, J Mangel, J Alvarez, C Romero, S Gelcich, & EJ Milner-Gulland. Disconnects in global discourses – the unintended costs of marine mammal protection on artisanal fishers.

**Davis KJ** & M Burton. Preferences versus production functions.

<sup>^</sup>Lewis-Brown E, H Beatty, **KJ Davis**, & M Mills. Incentives and barriers to locally managed marine protected areas in Madagascar.

WORKING PAPERS

<sup>^</sup> *STUDENT MENTEE*

<sup>^</sup>McCormick, HA, R Salguero-Gómez, M Mills & **KJ Davis**. 2019. Using a residency index to estimate the economic value of saltmarsh provisioning services for commercially important fish species. *BioRxiv*, 755835. DOI [10.1101/755835](https://doi.org/10.1101/755835).

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Ospina-Alvarez, A, S de Juan, **KJ Davis**, C González, SA Navarrete & M Fernández 2019 A mathematical optimisation model for the management of coastal ecosystem services conditioned by biophysical connectivity dynamics. ArXiv. DOI [arXiv:1903.10322v1](https://doi.org/10.1903.10322v1).

POPULAR SCIENCE ARTICLES

**Davis, KJ**. 2017. Why are fishers not enforcing their exclusive user rights in Chile? Global Water Forum, [December 11th, 2017](#).

**Davis, KJ**. 2016. Redes, derechos de uso y beneficios netos. Decision Point en Español, [E02:14-15](#).

**Davis, KJ**. 2016. Why are fishers not enforcing their user rights? Decision Point, [96:14-15](#).

Chauvenet, A, **KJ Davis**, R Salguero-Gómez, M Di Fonzo, D Biggs, M Barnes, & K Wilson. 2016. Addressing unconscious bias in science. Decision Point, [95:12-13](#).

**Davis, KJ**, ME Kragt, S Gelcich, S Schilizzi, & DJ Pannell. 2015. Of nets, fisher rights and net benefits. Decision Point, [85:10-11](#).

THESES

**Davis, KJ**, ME Kragt, S Schilizzi, & DJ Pannell. 2016. Economic benefits and costs of spatial marine management. PhD thesis. School of Agricultural & Resource Economics. The University of Western Australia.

**Davis, KJ**, ME Kragt, and DJ Pannell. 2011. Determining the cost-effectiveness of *Phytophthora cinnamomi* management in the Fitzgerald River National Park. Honours thesis. Faculty of Natural and Agricultural Sciences. The University of Western Australia.

SELECTED CONFERENCE PAPERS & PRESENTATIONS *TOTAL: 44; ⌘INVITED: 17*

- 2019        **Davis, KJ**. What motivates fisher–sea lion conflict in Chile & Peru? 29<sup>th</sup> International Congress for Conservation Biology, 22-25<sup>th</sup> June, Kuala Lumpur, Malaysia
- Davis, KJ** & Burton, M. Preference vs. Production Functions in Integrated Choice Experiments. 24<sup>th</sup> Annual Conference of the European Association of Environmental & Resource Economists, 26th June-29<sup>th</sup> June, Manchester, UK.
- ⌘**Davis, KJ**. Marine Management. Southern Denmark University, Odense, Denmark.
- ⌘**Davis, KJ**. Motivations and solutions to artisanal fisher interactions with sea lions in Chile & Peru. University of Glasgow, Glasgow, UK.
- 2018        ⌘**Davis, KJ**. A natural capital methodology to prioritise managed re-alignment of saltmarsh in the UK. University of Queensland, Brisbane, Australia.
- ⌘**Davis, KJ**. A natural capital methodology to prioritise managed re-alignment of saltmarsh in the UK. University of Western Australia, Perth, Australia.
- Davis, KJ**. A generalizable integrated natural capital methodology for targeting investment in saltmarsh enhancement. BIOECON XX, 12-14th September, Cambridge, UK.
- Davis, KJ**, Burton, M, Spencer-Cotton, A, Rogers, A, & Pandit, R. Eliciting values for complex marine ecological features: an integrated choice experiment. World Congress of Environmental & Natural Resource Economists, 25th-29th June, Gothenburg, Sweden.
- Davis, KJ**, A generalizable integrated natural capital methodology for targeting investment in saltmarsh enhancement. Twitter Conference on Environmental Decisions, 22nd May.
- Davis, KJ**, Binner, A, Bateman. A generalizable integrated natural capital methodology for investments in saltmarsh. EnvEcon, 9th March, London, UK.
- ⌘**Davis, KJ**. Eliciting values for complex marine ecological features: an integrated choice experiment. UiT, Arctic University of Norway, Tromso, Norway.
- 2017        ⌘**Davis, KJ**. Spatially explicit preferences for the marine environment. Land, Environment, Economics & Policy Institute, University of Exeter, Exeter, United Kingdom.
- Davis, KJ**, Burton, M, & Kragt, M 2017. What scale heterogeneity does to discrete choice analysis. 23rd Annual Conference of the European Association of Environmental & Resource Economists, 29th June-1st July, Athens, Greece.
- ⌘**Davis, KJ**. Eliciting values for complex goods: community preferences for the marine environment. Trinity College Dublin, Dublin, Ireland.

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- ⌘ **Davis, KJ.** Improving marine management by accounting for spatial heterogeneity in management costs and stakeholder preferences. Swansea University, Swansea, United Kingdom.
- ⌘ **Davis, KJ.** Why is enforcement hard in small-scale fisheries? University of Oxford, Oxford, United Kingdom.
- 2016 ⌘ **Davis, KJ,** I Chadès, JR Rhodes, & M Bode. La importancia de resolver la incertidumbre en sistemas socio-ecológicos (In Spanish). National Autonomous University of Mexico, Mexico City, Mexico.
- 2016 ⌘ **Davis, KJ,** M Burton, and ME Kragt. Problems in reporting scale heterogeneity models. Agricultural & Resource Economics, University of New England, Armidale, Australia.
- ⌘ **Davis, KJ,** I Chadès, JR Rhodes, & M Bode. Bode. The value of information in social-ecological systems. Arizona State University, Phoenix, United States.
- ⌘ **Davis, KJ,** I Chadès, JR Rhodes, & M Bode. The value of information in social-ecological systems. University of Zurich, Zurich, Switzerland.
- 2015 **Davis, KJ,** ME Kragt, & DJ Pannell. Assessing the cost-effectiveness of invasive species management: a decision tool for biodiversity conservation. 21st International Congress on Modelling and Simulation (MODSIM 2015). Gold Coast, Queensland.
- Davis, KJ,** DJ Pannell, ME Kragt, S Schilizzi, & S Gelcich. Spatial economics of marine management. Australian Agricultural and Resource Economics Society Annual Conference. Rotorua, New Zealand.
- 2014 ⌘ **Davis, KJ,** ME Kragt, & DJ Pannell. Improving optimal marine spatial design by incorporating the costs and benefits of enforcement. Oceans Institute Advisory Board, Perth, Australia.
- ⌘ **Davis, KJ,** ME Kragt, & D.J. Pannell. Improvements in marine spatial planning: the benefits of incorporating enforcement cost. Marine & Atmospheric Research Seminar, Commonwealth Scientific & Industrial Research Organisation, Perth, Australia.

**ORGANIZED EVENTS**

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- 2019 Workshop: Achieving sound economic conservation decisions through population ecology. *29<sup>th</sup> International Congress for Conservation Biology*. Malaysia
- 2017 Organising committee: *61st Annual Conference of the Australian Agricultural & Resource Economics Society*. Australia
- 2017 Workshop: What insights can behavioural economics provide for ‘panic clearing’ in Queensland? *Centre of Excellence for Environmental Decisions Working Group*. University of Queensland, Australia
- 2017 Workshop: Exploring the economic, social and environmental aspects of land-clearing in Australia. *Annual Conference of the Australian Agricultural & Resource Economics Society*. Australia
- 2016 Science communication event: Soapbox Science Brisbane 2016. *National Science Week*. Australia

**ADMINISTRATION & MANAGEMENT EXPERIENCE**

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- 2017–Present Postgraduate Thesis Prize Committee (2018 Chair) – Australian Agricultural & Resource Economics Society
- 2016–2017 Annual Conference Organising Committee – Australian Agricultural & Resource Economics Society
- 2014 Postgraduate Representative – School of Agricultural & Resource Economics, University of Western Australia
- 2012 – 2015 Western Australian Branch Secretary – Australian Agricultural and Resource Economics Society

## TEACHING EXPERIENCE

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- 2019 **Guest Lecturer, Department of Zoology, University of Oxford**  
*Ecology and Evolution*, 1<sup>st</sup> yr. Undergraduate, Trinity Term, 2019
- 2017–2019 **Guest Lecturer, Department of Life Sciences, Imperial College London**  
*Environmental Valuation, Introduction to Economics*, Masters, ~30 students
- 2017 **Tutor, University of Exeter Business School, University of Exeter**  
*Economic Issues: Theory and Practice*, 3<sup>rd</sup> yr. Undergraduate, ~30 students
- 2016 **Guest Lecturer, School of Economics, University of Queensland**  
*Ecological & Environmental Economics*, Masters, ~25 students
- 2015 **Guest Lecturer, School of Biological Sciences, University of Queensland**  
*Bachelor of Advanced Science*, 1<sup>st</sup> yr. Undergraduate, ~40 students
- 2013–2014 **Guest Lecturer, Faculty of Science, University of Western Australia**  
*Decision Tools for Natural Resource Management*, 3<sup>rd</sup> yr. Undergraduate, ~30 students
- 2012–2014 **Tutor, University of Western Australia**  
*Science, Society & Data Analysis*, 1st yr. Undergraduate (2012 – 2014)  
*Science, Society and Communication*, 1st yr. Undergraduate (2012 – 2013)  
*Analysis for Natural Resource Management*, Honours & Masters (2013)  
*Environmental Economics*, 1st yr. Undergraduate (2013)  
*The Conduct, Ethics and Communication of Science*, Masters (2013)

## SUPERVISION & MENTORING

- 2018–Present **PhD student, University of Exeter (UK) & University of Queensland (Australia)**  
Phoebe Stewart-Sinclair – *Restoration of marine coastal environments for climate change adaptation and mitigation.*
- 2015–2019 **PhD student: The University of Queensland (Australia)**  
Hernan Caceres – *Systematic study of the effects of invasive mammals on native wildlife in biological islands*
- 2018 **Masters student, Imperial College (UK)**  
Hannah McCormick – *Using a residency index to estimate the value of saltmarsh for fisheries* (Distinction).
- 2017 **Honours student, La Pontificia Universidad Católica de Chile (Chile)**  
José Palma Duque – *Fisher conflict with sea lions*
- 2016–2017 **Research assistant, The University of Queensland (Australia)**  
Emily Massingham – *Non-market valuation and marine spatial optimization,*
- 2016–2017 **Internship student, The University of Queensland (Australia)**  
Antoine Camus – *Non-market valuation and marine spatial optimization*
- 2013 **Internship student, La Pontificia Universidad Católica de Chile (Chile)**  
Faustine Auzanne – *Fisher perceptions of marine enforcement*

## PROFESSIONAL SERVICE

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**Review Editor:** *Frontiers in Marine Science* (Marine Megafauna)

**Reviewer:** *Proceedings of the National Academy of Sciences*, *Land Economics*, *Frontiers in Ecology & the Environment*, *Journal of Applied Ecology*, *Marine Pollution Bulletin*, *PLOS One*, *Conservation Biology*, *Environmental & Resource Economics*, *Biological Conservation*, *Ecological Economics*, *Journal of Sustainable Tourism*, *Sustainability*, *International Food & Agribusiness Management Review*, *Offshore Energy & Marine Planning* (edited book), *Revista de Biología Marina y Oceanografía*.

**Professional memberships:** Society of Conservation Biology (2015-Present), European Association of Environmental & Resource Economists (2017-Present), Australian Agricultural & Resource Economics Society (2012-2017), Resource Modeling Association (2016).

**Chair:** 61st Annual Conference of the Australian Agricultural and Resource Economics Society, 2017; Society for Conservation Biology 4<sup>th</sup> Oceania Congress, 2016; International Institute of Fisheries Economics and

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Trade, 2014 International Conference; School of Agricultural & Resource Economics, University of Western Australia 2013-14.

### **PUBLIC OUTREACH & ENGAGEMENT**

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**BBC News, BBC Spotlight, and Farming Today, BBC Radio 4:** ‘The Value of Saltmarsh,’ 23<sup>rd</sup> & 28<sup>th</sup> January, 2019. News report describing priority areas for managed re-alignment of saltmarsh.

**Science Ambassador, SPICE, Centre for Learning Technology, University of Western Australia:** ‘Traveling Scientist,’ 2014 – 2015. Science promotion and outreach program with regional high-school students.

### **PROFESSIONAL DEVELOPMENT**

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‘Introduction to Project Management’, University of Oxford, 2019

‘Tools for Reproducible Research in Ecology & Evolution’, University of Oxford, 2019

‘Advancing your R’, British Ecological Society, Quantitative Ecology Group, 3-4 Dec 2018

‘Understanding small areas: spatial analysis of population and neighbourhood data.’ National Centre for Research Methods, 2018

‘Policy briefs training.’ Professor Karen Hussey, University of Queensland, 2016.

‘Spatial Bio-Economic Modelling with Complex Regulatory Goals.’ Southern Denmark University, 2016.

‘Latent Class Discrete Choice Modelling with Scale Factors.’ Statistical Innovations online course, 2015.

‘Introduction to R Workshop.’ Centre for Applications in Natural Resource Mathematics, The University of Queensland, 2015.

‘Facilitation Training.’ Mary Maher and Associates, The University of Queensland, 2014.

‘Talking Science to the Media Workshop.’ Econnect, The University of Queensland, 2014.

‘Introduction to University Teaching Programme.’ The University of Western Australia, 2013.

‘Basic to Advanced GAMS (General Algebraic Modelling System) Class.’ Professor Bruce McCarl, 2012.

‘Introduction to Marxan Workshop (Conservation Planning Software).’ The University of Queensland, 2012.

### **ADDITIONAL INFORMATION**

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**Languages:** English (native), Spanish (bilingual), French (DELF B2, equivalent to intermediate)

**Informatics:** R, MatLab, STATA, GAMS (General Algebraic Modelling System), LatentGold, Marxan