

## **CURRICULUM VITAE**

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## DEGREES

1991-1997 (while working full time): Doctor of Philosophy, School of Geography, University of New South Wales. Thesis subject: "Requirements for a representative reserve system: a case study in the Western Division of New South Wales."

1977-1979: Master of Environmental Studies, Macquarie University. Course work on general ecology, land use planning, environmental decision-making, chemistry of air and water pollution, environmental impact assessment, urban ecology, natural and managed ecosystems. Thesis subject: "Waterbirds and wetlands of the upper Hawkesbury River."

1972-1975: Bachelor of Science with Honours, University of Sydney. Majored in animal ecology and aquatic zoology. Honours thesis subject: "The influence of wave exposure on certain aspects of the biology of the intertidal gastropod *Littorina unifasciata* Gray."

## EMPLOYMENT

2007 - : Professor, Australian Research Council Centre of Excellence for Coral Reef Studies, James Cook University; Leader, Program 6 – Conservation planning.

2006 - 2007: Professorial Research Fellow, the Ecology Centre, University of Queensland.

1986 to 2005: Researcher with the New South Wales National Parks and Wildlife Service (now within the Office of Environment and Heritage). Progression from Research Officer to Principal Research Scientist.

1979 to 1986: Private environmental consultant specialising in survey, classification and conservation evaluation of wetlands. Other work included management plans for wetland nature reserves, terrestrial fauna surveys, and general conservation assessment and planning.

## AWARDS & HONOURS

2014: Visiting Professorship to Universidade Federal de Goiás, Brazil (Conselho Nacional de Desenvolvimento Científico e Tecnológico)

2012: WWF Australia, Eminent Scientists Group. Evaluation of major programs and advice on future activities.

2010: Election to the Australian Academy of Science.

2009: James Cook University Distinguished Professor for excellence in scholarly activities.

2008: Inaugural Australian Ecology Research Award from the Ecological Society of Australia. This award recognises excellence in recent research in Australian ecology and supports an annual Ecological Society of Australia invited research lecture.

2007: Thomas Jefferson Foundation Visiting Professorship in the School of Architecture, University of Virginia (Department of Urban and Environmental Planning). This professorship was founded in 1965 to invite one distinguished practitioner each year to lecture and teach.

2006: Governor, WWF Australia.

2006: Institute for Scientific Information Highly Cited Researcher in Ecology/Environment.

2004: New South Wales Premier's Public Sector Awards – Environment Award for the C-Plan conservation planning project.

2002: Royal Botanic Gardens Eureka Prize for Biodiversity Research. This national award was presented "For innovative research which, using novel analyses of biodiversity data and development of decision-support software, has revolutionised the identification of priority areas for nature conservation".

2001: Edward T. LaRoe III Award from the Society for Conservation Biology. This international award is given annually to an individual or individuals for outstanding application of science to the conservation of biological resources.

## COMMITTEES & WORKING GROUPS

### State, National and International

Steering Committee for the Biodiversity Research Partnership Program, Queensland Department of Environment and Heritage Protection, 2013-

Reference group for mid-term review of the Australian Centre for Ecological Analysis and Synthesis, 2013.

WWF-Australia Eminent Scientists Group, 2012-

Fenner Conferences on the Environment Standing Committee (convened by the Australian Academy of Science), 2012-2014 (Chair for 2014)

Selection panel for the Australian Ecology Research Award (convened by the Ecological Society of Australia), 2010-

South West Australia Ecoregion Demonstration Area Implementation Advisory Group (convened by WWF Australia), 2010-2011

Far North Queensland Regional Organisation of Councils & Terrain NRM Working Group on Regional Landscape Repair and Resilience, 2009-2010

Great Barrier Reef Foundation Solutions and Adaptations Working Group, 2009-2010

Great Barrier Reef Foundation Attributes of a Sustainable Reef Working Group, 2008-2010

National Climate Change Adaptation Research Facility, Terrestrial Biodiversity Hub Steering Committee, 2008-2010

Queensland Department of Environment and Resource Management, Scientific Advisory Group for the Protected Area Expansion Program, 2008-2012

National Center for Ecological Analysis and Synthesis: member of advisory board for program on Development and Application of Scientific Knowledge to Ecosystem-Based Management of Coastal Marine Systems, 2008-2009

WWF-Australia Scientific Advisory Committee, 2007-2010

Southwest Australia Ecoregion Initiative Working Group (WWF Australia and Western Australia Department of Environment and Conservation), 2006-2011

IUCN World Commission on Protected Areas leader of Task Force on Conservation Planning, 2004-

New South Wales Natural Resources Commission Interagency Expert Panel on Draft Standards and Targets: member of expert panel on biodiversity, 2003.

Society for Conservation Biology Edward T. LaRoe III Award Committee (Society for Conservation Biology): review of nominations for the award and voting on annual recipient, 2002-2006.

Marine Parks Research Committee (New South Wales National Parks and Wildlife Service & State Fisheries): review of consultancy studies and development of technical approaches to planning marine parks, 1999-2001.

New South Wales State of the Environment Report, 2000: member of contact group for chapter on biodiversity (convened by New South Wales Environment Protection Authority), 1999-2000.

IUCN World Commission on Protected Areas - Task Force on Effectiveness of Protected Areas: leader of international subgroup developing criteria for measuring the effectiveness of protected areas in terms of location and design, 1997-2000.

Representative Protected Area Scientific and Technical Advisory Committee for the Great Barrier Reef (convened by Great Barrier Reef Marine Park Authority), 1997.

Interagency Working Group on Integration of Conservation, Social and Economic considerations for the Comprehensive Regional Assessments in New South Wales, 1997.

Marine Parks Integrated Management Project Steering Committee (National Parks and Wildlife Service & State Fisheries): development of technical approaches for identifying marine parks in New South Wales, 1996-1997.

Sustainable Use of Rangelands in the 21st Century, steering group on joint CSIRO/NSW project on biodiversity and production-conservation tradeoffs (convened by CSIRO), 1996-1997.

National State of the Environment Reporting Project, Reference Group on Biodiversity (convened by the Department of Environment, Sport and Territories), 1994-1996.

Consultative Committee for CSIRO consultancy to the Global Environment Facility and World Bank on rapid appraisal of biodiversity priorities (convened by the World Bank), 1994-1995.

Joint ANZECC-AFC (Australian and New Zealand Environment and Conservation Council-Australian Forestry Council) National Forest Policy Statement Implementation Sub-committee - Technical Working Group on Reserve Criteria, 1993-1994.

Western Division Management Group to co-ordinate requirements for remote sensing in the region (convened by New South Wales Department of Agriculture), 1988-1989.

CONCOM (Council of Nature Conservation Ministers) Working Group on Survey Methods for Nature Conservation (convened by Australian National Parks and Wildlife Service), 1988-1991.

Steering Committee for major consultancy associated with development of the New South Wales State Wetlands Policy (convened by New South Wales Department of Water Resources), 1988-1989.

Steering Committee for Consultancy Study of River Murray Riparian Vegetation (convened by Murray-Darling Basin Commission), 1987-1989.

Working Party on Management of River Murray Wetlands (convened by New South Wales Department of Water Resources), 1987-1990.

Co-ordinator of Consultative Committee to oversee Willandra Lakes World Heritage Region specialist background studies and plan of management (convened by Western Lands Commission and National Parks and Wildlife Service), 1987-1991.

### **Within the New South Wales National Parks and Wildlife Service (to 2002)**

Western Regional Assessment Technical Team: advice to Western Region on conservation assessments of biogeographical regions in western New South Wales, particularly on integrating data, dealing with agencies and lobby groups, and designing processes of negotiation between major stakeholders over allocation of land, 2001-2002.

Steering Committee for the Riverina bioregional assessment project: advice on compilation and analysis of data and adaptation of computerised interactive GIS for conservation planning for use in the Riverina biogeographic region, 1996-1999.

Forest Policy Task Force (Comprehensive Regional Assessments): advice to the Director-General and the Resource and Conservation Assessment Council on implementation of the New South Wales Government's Comprehensive Regional Assessment process for forests, 1996-1997.

Steering Committee for the Cobar Peneplain bioregional assessment project: advice on compilation and analysis of data and adaptation of computerised interactive GIS for conservation planning for use in the Cobar Peneplain biogeographic region, 1995-1999.

Forest Policy Task Force (Interim Assessments): advice to the Director-General and the Resource and Conservation Assessment Council on implementation of the New South Wales Government's Interim Assessment Process for forests, 1995-1996.

Co-ordinator of research group to quantify the costs and benefits of applying the National Forest Policy Statement principles for a forest reserve system in north-eastern New South Wales, 1995-1996.

Natural Resources Audit Council review of north-eastern New South Wales: review of survey methods and results, review of information on wetlands, and drafting of report chapter on nature conservation, 1994-1996.

Crown Lease Assessment Project: advice on development of data bases and analyses to indicate priorities for protection of Crown leases throughout the Eastern and Central Divisions of New South Wales, 1994-1995.

Bathurst District Biodiversity Steering Committee: oversight of data compilation on the biophysical characteristics of central-western New South Wales and development of approaches for conservation planning, 1991-1994.

## CONFERENCES, WORKSHOPS & WORKING SESSIONS

*Italicised entries indicate authorship of presentation but not present at meeting*

Writing workshop on design of database on studies covering aspects of systematic conservation planning, Magnetic Island, February 2016.

*Island Arks Symposium IV, Norfolk Island, February 2016. **Contributed presentation:** Biosecurity risk from introduced wildlife for Pilbara islands, by C. Lohr, O. Woodberry, A. Wenger, K. Morris and B. Pressey.*

*19<sup>th</sup> Annual Florida Marine Turtle Permit Holder Meeting, Jacksonville, Florida, January 2016. **Contributed presentation:** Conservation hotspots for marine turtle nesting areas based on exposure to coastal development and sea level rise, by M. Fuentes, B. Bateman, R. Boettcher, S. Ceriani, M. Dodd, M. Godfrey, C. Gredzens, D. Helmers, D. Ingram, R. Kamrowski, M. Pate, R. Pressey and V. Radeloff.*

*Australasian Wildlife Management Annual Conference, Perth, November 2015. **Contributed presentation:** Biosecurity risk from introduced wildlife for Pilbara islands, by C. Lohr, O. Woodberry, A. Wenger, K. Morris and B. Pressey.*

Queensland Department of Environment and Heritage Protection, Landscape Conservation Unit Protected Area Workshop, Brisbane, November 2015. **Invited presentation:** Contemporary evidence-based conservation planning, and current and potential applications in Queensland.

*Seventh Annual Conference of the Australasian Bayesian Network Modelling Society, Melbourne, November 2015. **Contributed presentation:** Estimating biosecurity risk from introduced flora for Pilbara Islands using Bayesian Networks, by O. Woodberry, A. Wenger, C. Lohr and B. Pressey.*

*MODSIM 2015 (21<sup>st</sup> International Conference on Modelling and Simulation), Gold Coast, November 2015. **Contributed presentation:** Assessing cumulative impacts of coastal development using spatial scenarios and Bayesian networks: a case study on the Great Barrier Reef, by O. Woodberry, B. Reid, A. Augé, R.L. Pressey, J.E. Brodie, A. Dale, H. Yorkston and A.E. Nicholson.*

Writing workshop on impact evaluation of protected areas, Magnetic Island, October 2015. Leader of workshop.

Writing workshop on improving models of species distribution under climate change as a basis for planning for adaptation, Magnetic Island, September 2015.

Visiting professorship to Federal University of Goiás, Goiânia, Brazil, July-August 2015. Design of collaborative projects on conservation planning.

*27<sup>th</sup> International Congress for Conservation Biology (and 4<sup>th</sup> European Congress for Conservation Biology), Montpellier, August 2015. **Four contributed presentations:** 1. The use of habitat association as a proxy for species distribution, by A. Wenger, M. Turner, J. Olds, I. Craigie, and B. Pressey; 2. A new open-source software tool for more effective conservation planning, by J. Brotánková, B. Pressey, A. Wenger, and I. Craigie; 3. Accounting for marine ecosystem services and benefits to people to improve conservation planning: it's not just about*



*fishing, by M. Hamel, R.L. Pressey, S. Andréfouët, L.S. Evans, and C. Hicks; 4. Cumulative impacts of human activities on coral reefs in Brazil, by R.A. Magris, A. Grech, and R.L. Pressey.*

Writing workshop on modelling populations of native and invasive species on islands, Magnetic Island, July 2015. Leader of workshop.

Writing workshop on estimating management costs for conservation on islands, Magnetic Island, June 2015. Leader of workshop.

Writing workshop on the effectiveness of marine protected areas in Australia, Stradbroke Island, May 2015. Leader of workshop.

Writing workshop on the role of Natural Resource Management groups in advancing conservation planning and adaptation to climate change, Border Ranges, May 2015.

Writing workshop on modelling of weed eradication on Lord Howe Island, Border Ranges, April 2015. Leader of workshop.

*Australasian Conference on Artificial Life and Computational Intelligence, Newcastle, New South Wales, February 2015. **Contributed presentation:** A heuristic solver for pest management on islands, by J. Brotánková, M. Randall, A. Lewis, B. Pressey and A. Wenger.*

Inaugural Forum on Future Directions for Private Land Conservation in Australia, Melbourne, December 2014 (Trust for Nature). **Invited plenary presentation:** If we want to make a difference on private land, we have to measure the difference we make.

*Sixth Annual Conference of the Australasian Bayesian Network Modelling Society, Rotorua, New Zealand, November 2014. **Contributed presentation:** Integrating Bayesian networks and geographic information systems to assess impacts of coastal development on Great Barrier Reef species, by O. Woodberry, A.A. Augé, B. Reid, R.L. Pressey and A.E. Nicholson.*

*Environment institute of Australia and New Zealand South East Queensland Division, Seminar on Cumulative Impacts, Brisbane, November 2014 (EIANZ SEQ): **Invited presentation:** Assessing cumulative impacts of coastal development on marine ecosystems using land-use change scenarios and Bayesian networks, by B. Reid, A.A. Augé, O. Woodberry, R.L. Pressey, J.E. Brodie, A. Dale, H. Yorkston and A.E. Nicholson.*

Third International Conference on Marine Mammal Protected Areas, Adelaide, November 2014 (International Committee on Marine Mammal Protected Areas). **Invited plenary presentation:** Designing effective marine protected areas – from belief systems to evidence base.

National Environmental Research Program Tropical Ecosystems Hub Conference, Cairns, November 2014. **Two contributed presentations:** 1. Using Bayesian networks for assessing cumulative impacts: a case study on the Great Barrier Reef coastal zone, by B. Reid, A.A. Augé, O. Woodberry, R.L. Pressey, J.E. Brodie, A. Dale, H. Yorkston and A.E. Nicholson; 2. Decision support for prioritising management actions on Great Barrier Reef islands, by A. Wenger, R.L. Pressey, I. Craigie, J. Hicks, J. Olds and M. Turner.

*Coast to Coast Conference, Mandurah, Western Australia, October 2014. **One contributed presentation:** Understanding the cumulative impacts of coastal development on marine ecosystems - land-use change scenarios and Bayesian networks, by B. Reid, A.A. Augé, O. Woodberry, R.L. Pressey, J.E. Brodie, A. Dale, H. Yorkston and A.E. Nicholson.*

*Ecological Society of Australia 2014 Annual Conference, Alice Springs, September 2014 (ESA).*  
**Two invited presentations:** 1. *Optimal land use planning for development and conservation – linking land and water use planning*, by V. Adams and R. Pressey; 2. *Catchment-scale governance in northern Australia – strengthening structures for ecological research and sustainable water resource development*, by J. Álvarez-Romero, A. Dale, B. Pressey, M. Douglas, V. Adams, M. Digby, R. Dobbs, A. Augé, M. Maughan, J. Childs, D. Hinchley, I. Lancaster, I. Perdrisat, and N. Gobius.

MPAconnect Workshop on Connectivity and Marine Conservation Planning, Paris, August 2014. Writing workshop for ecologists and conservation planners.

International Marine Conservation Congress, Glasgow, August 2014 (Society for Conservation Biology). **Organiser of symposium:** Building an evidence base for marine conservation – evaluating the ecological and social impacts of MPAs. **Co-organiser of symposium:** Advancing the integration of connectivity processes into marine conservation planning. **Five invited presentations:** 1. Estimating impact of MPAs and MPA networks – why and how; 2. Methods in retrospective impact evaluation of marine protected areas: a review, G. Gurney and R. Pressey; 3. Planning marine protected areas for both feature representation and connectivity, by M. Bode, R. Pressey, R. Weeks, D. Williamson, G. Jones and J. Hopf; 4. Strategies in scheduling marine conservation plans in a networked system, by S.J. Kininmonth, R. Weeks, R. Abesamis, M. Beger, E. Treml, D. Williamson, R. Pressey and Á. Bodin; 5. Towards explicit objectives for connectivity in marine conservation planning, by R. Weeks and R.L. Pressey. **Three contributed presentations:** 1. Reinventing residual reserves in the sea – are we favouring ease of establishment over need for protection?, by R. Devillers, R.L. Pressey, A. Grech, J.N. Kittinger, G. Edgar, T.J. Ward and R. Watson; 2. Understanding and accounting for the limitations of biophysical maps in conservation planning – a risk assessment framework for practitioners, by M.A. Hamel, R.L. Pressey, S. Andréfouët, R. Devillers and D. Keith; 3. Conservation planning for coral reefs to account for disturbance related to climate change, by R.A. Magris, S.F. Heron and R.L. Pressey. **Two contributed posters:** 1. Understanding cumulative impacts of coastal development on seagrass using land-use change scenarios and Bayesian networks, by A.A. Augé, O. Woodberry, B. Reid, R.L. Pressey, J.E. Brodie, A. Dale, H. Yorkston and A.E. Nicholson; 2. Using larval dispersal models and habitat spatial analysis in reserve network design in the Saudian Arabian Red Sea, by M.T. Khalil, P. Zhen, G. Nanninga, M. Genton, R. Weeks, R. Pressey and M. Berumen.

Association for Tropical Biology and Conservation 51<sup>st</sup> Annual Meeting, Cairns, July 2014. **Organiser of symposium:** Innovations in conservation planning in the Asia-Pacific region. **Six invited presentations:** 1. Conservation in paradise: prioritisation of management actions on Australian tropical islands; 2. Planning for multiple objectives in coastal catchments in Northern Australia: an operational framework for decision-makers, by J. Álvarez-Romero, V. Adams, B. Pressey, M. Douglas and A. Dale; 3. Planning for cumulative impacts in the Torres Strait, by A. Grech, B. Pressey and H. Marsh; 4. Planning for climate-change adaptation in the Australian Wet Tropics, by A. Reside and B. Pressey; 5. Conservation in a biodiversity hotspot: an approach to conservation prioritization based on multiple taxonomic groups, by A.C. Sevilha, R.L. Pressey, J. VanDerWal, H.C. Wiederhecker, B.J. Anderson, A. Moilanen and S.E. Williams. 6. Ten things to get right for conservation planning – in the Coral Triangle, and elsewhere, by R. Weeks and B. Pressey; **Two contributed posters:** 1. Understanding cumulative impacts of coastal development on seagrass using land-use change scenarios and Bayesian networks, by A.A. Augé, O. Woodberry, B. Reid, R.L. Pressey, J.E. Brodie, A. Dale, H. Yorkston and A.E. Nicholson; 2. Biodiversity patterns within the Paranã River Basin: what can we learn from species-level and community-level distribution models?, by A.C. Sevilha, R.L. Pressey, H.C. Wiederhecker, J. Vanderwal, K.J. Williams, S. Ferrier and S.E. Williams.

Society for Conservation Biology Oceania Conference, Suva, July 2014 (Society for Conservation Biology Oceania Chapter). **Invited plenary presentation:** Making protected areas make a difference – impact evaluation as a tractable scientific challenge and an essential policy tool. **Co-organiser of symposium:** Prioritising management actions on tropical islands. **Ten invited presentations:** 1. A practical approach to design a network of marine reserves in the Midriff Islands (Gulf of California) considering connectivity and climate change, by J.G. Álvarez-Romero, A. Munguia-Vega, A. Castillo-López, A. Suarez, E. Graham, G.G. Gurney, G. Hinojosa-Arango, H. Reyes-Bonilla, H.N. Morzaria-Luna, J. VanDerWal, J. Torre-Cosío, L. Gerber, M. Moreno-Baez, M. Beger, M.M. Mancha-Cisneros, R.L. Pressey and V. Adams; 2. Towards explicit objectives for connectivity in conservation planning, by R. Weeks and B. Pressey; 3. Conservation in paradise: prioritising management actions on islands in the Great Barrier Reef and Pilbara regions of Australia; 4. The use of expert elicitation in prioritising conservation management actions, by A. Wenger, B. Pressey, J. Hicks, M. Turner, J. Olds and I. Craigie; 5. The costs of conservation management on islands – developing a framework to understand and optimise spending, by I. Craigie and B. Pressey; 6. Incorporating socioeconomic information into coral reef conservation planning in the Pacific: it's not all about fisheries, by M.A. Hamel, B. Pressey and S. Andréfouët; 7. Understanding the socio-economic context: research trends, gaps, and future directions, by V. Adams and B. Pressey; 8. Poverty and protected areas: an evaluation of a marine integrated conservation and development project in Indonesia, by G.G. Gurney, J. Cinner, N. Ban, R.L. Pressey, R. Pollnac, S.J. Campbell, S. Tasidjawa and F. Setiwan; 9. Prioritising multiple management actions for marine mega-fauna conservation, by M.P.B. Fuentes, J. Blackwood, H. Marsh, F.M. Pouzols, R.L. Pressey and P. Visconti; 10. Identifying patterns of network connectivity in marine metapopulations, by H.B. Harrison, P. Saenz-Agudelo, D.H. Williamson, R. Pressey and G.P. Jones.

Symposium on the Future of Coral Reefs, July 2014 (ARC Centre of Excellence for Coral Reef Studies). **Invited presentation:** Preparing for the next rezoning of the Great Barrier Reef.

International Conference on Computational Science, Cairns, June 2014. **Invited keynote presentation:** Computational science in conservation planning – potential and limitations. **Contributed presentation:** Towards a new software tool for conservation planning, by J. Brotánková, B. Pressey, I. Craigie, A. Wenger and M. Pergel.

PELAGIC (Prioritizing ecoLogically significant and Globally Important areas for marine mammal Conservation: synthesizing the best available knowledge to inform management and policy) working group, funded by CESAB (Centre de Synthèse et d'Analyse sur la Biodiversité), Aix-en-Provence, May 2014.

*GEOHAB 2014 (Marine Geological and Biological Habitat Mapping), Lorne, May 2014.* **Contributed presentation:** Assessment of protection of coral reef ecosystems in Brazil, by R.L. Pressey, M. Mills and R. Magris.

Island Arks Symposium III, Hobart, February 2014 (Reef Catchments NRM). **Four contributed presentations:** 1. Conservation in paradise: prioritising management actions on islands in tropical Australia; 2. The costs of conservation management on islands – developing a framework to understand and optimise spending, by I. Craigie and R.L. Pressey; 3. The use of expert elicitation in prioritising conservation management actions, by A. Wenger, B. Pressey, J. Hicks, M. Turner, J. Olds, I. Craigie and S. Hall; 4. Towards a new software tool for conservation planning, by J. Brotánková, B. Pressey, I. Craigie, S. Hall and A. Wenger.

PELAGIC (Prioritizing ecoLogically significant and Globally Important areas for marine mammal Conservation: synthesizing the best available knowledge to inform management and policy) working group, funded by CESAB (Centre de Synthèse et d'Analyse sur la Biodiversité), Aix-en-Provence, November 2013.

*IMPAC3: Third International Marine Protected Areas Congress, Marseille, October 2013. **Contributed presentation:** Avoiding residual MPAs: a framework to avoid perverse outcomes for biodiversity, by B. Pressey, R. Devillers, G. Edgar, A. Grech, J.N. Kittinger, T. Ward and R. Watson.*

Symposium on Coral Reefs in the 21<sup>st</sup> Century, Townsville, October 2013 (ARC Centre of Excellence for Coral Reef Studies). **Invited presentation:** Conservation in paradise – prioritising management actions on tropical islands.

*Queensland Coastal Conference, Townsville, October 2013. **Seven contributed presentations:** 1. Guiding principles for the improved governance of port and shipping impacts in the Great Barrier Reef, by A. Grech, M. Bos, J. Brodie, R. Coles, A. Dale, R. Gilbert, M. Hamann, H. Marsh, K. Neil, R.L. Pressey, R.L., M.A. Rasheed, M. Sheaves, and A. Smith; 2. Coastal development in the Great Barrier Reef coastal zone: using scenarios for conservation planning, by A.A. Augé, M. Maughan, R.L. Pressey, J. Brodie, A. Dale and H. Yorkston; 3. A decision-making tool for prioritising management actions on islands in the southern Great Barrier Reef, by A. Wenger, R.L. Pressey, M. Maughan, J. Hicks, J. Olds and M. Turner; 4. Integrated catchment-to-coast planning: using social network analysis to untangle connections in the governance of natural resource management, by J.G. Álvarez-Romero, V. Adams and R.L. Pressey; 5. A risk analysis across the Great Barrier Reef governance system, by A. Dale, K. Vella, R.L. Pressey, J. Brodie, H. Yorkston and R. Potts; 6. Innovative and strategic finance for the Great Barrier Reef, by M. Bos, R.L. Pressey and N. Stoeckl.*

26<sup>th</sup> International Congress for Conservation Biology, Baltimore, July 2013 (Society for Conservation Biology). **Invited to pre-conference workshop:** Conserving the stage – using geophysical diversity as a coarse-filter surrogate in conservation planning for a changing climate. **Three invited workshop presentations:** 1. From case studies to insights – making sense of a pile of papers; 2. If SAI is the answer, what was the question?, 3. Dealing with inevitable tradeoffs in planning for geophysical diversity. **Co-organiser of symposium:** From plans to outcomes – towards an implementation strategy for conservation planning. **Seven invited presentations:** 1. An attractive but unsupported idea? Moving from case studies to insights into environmental surrogates for conservation planning; 2. How might insights gained from stakeholder network analysis be integrated into conservation decision-support tools?, by K. Vance-Borland, M. Mills; J.G. Álvarez-Romero, P. Cohen, R.L. Pressey, A.M. Guerrero and H. Ernstson; 3. What would a generic implementation strategy look like?; 4. Planning for conservation and development: can a regional strategic plan link to on-ground conservation actions?, by V.M. Adams and R.L. Pressey; 5. Marine conservation planning in practice – lessons from the Gulf of California, by J.G. Álvarez-Romero, R.L. Pressey, N.C. Ban, J. Torre-Cosio and O. Aburto-Oropeza; 6. Estimating landholders' probability of participating in a stewardship program, and the implications for spatial conservation opportunities, by V. Adams, R.L. Pressey and N. Stoeckl; 7. Understanding characteristics that define the feasibility of conservation actions in a common pool marine resource governance system, by M. Mills, R.L. Pressey, N.C. Ban, S. Foale, A.T. Knight and S. Aswani. **Four contributed presentations:** 1. The mismeasure of conservation; 2. Marine protected areas – understanding social impacts through time in Indonesia, by G. Gurney, R. Pressey, J. Cinner, N. Ban and R. Pollnac; 3. The management costs of protected areas in Queensland, Australia, by I. Craigie and R. Pressey; 4. Benefits of coordinating efforts for MPA establishment in the Verde Island Passage,

Philippines, by V. Horigue, R. Pressey, M. Mills, R. Cabral and S. Andréfouët. **Co-organiser of post-conference workshop:** Towards an implementation strategy for conservation planning.

Australian Marine Sciences Association Annual Conference, Gold Coast, July 2013 (AMSA). **Contributed presentation:** Reinventing residual reserves in Australian marine waters: ease of establishment or need for protection?

*12<sup>th</sup> Pacific Science Inter-Congress, Suva, July 2013. Contributed presentation: Local knowledge facilitates rapid assessment of the conservation status of iconic tree species, by G. Keppel, A. Naikatini, Rounds, I. and B. Pressey.*

National Climate Change Adaptation Research Facility Climate Adaptation Conference 2013, Sydney, June 2013 (NCCARF). **Organiser of symposium:** Planning for climate change in the Great Barrier Reef World Heritage Region. **Three invited presentations:** 1. Spatial management for climate-related patchy disturbances in the Great Barrier Reef; 2. Prioritization of management actions for conservation of sea turtles under climate change, by M. Fuentes, H. Marsh, F. Pouzols, Pressey, R.L. and Visconti, P.; 3. Cumulative impacts of human activities on the Great Barrier Reef coast, by A. Grech and B. Pressey.

*CoastGIS 2013 Conference, Victoria, British Columbia, June 2013. Contributed presentation: Spatially explicit scenarios for conservation planning in the Great Barrier Reef coastal zone, Australia, by A.A. Augé, M. Maughan, R.L. Pressey, J. Brodie, A. Dale and H. Yorkston.*

*National Environmental Research Program Forum, Canberra, June 2013. Contributed presentation: Catchment to coast planning – effective environmental planning in northern Australia, by J.G. Álvarez-Romero, V. M. Adams, and R.L. Pressey.*

Australian Centre for Ecological Analysis and Synthesis, third working group on Integrated Catchment-to-Coast Planning: Data, Decision Support, and Governance, Stradbroke Island, April 2013. Leader of working group.

Writing workshop on Australia marine protected areas, Stradbroke Island, April 2013.

*33<sup>rd</sup> International Sea Turtle Symposium, Baltimore, February 2013. Contributed presentation: A decision framework for prioritizing multiple management actions, by M. Fuentes, P. Visconti, B. Leiss, H. Marsh, F. Pouzols and R.L. Pressey.*

Workshop on Connectivity and Conservation Planning, Magnetic Island, February 2013 (James Cook University). Writing workshop for ecologists and conservation planners.

PELAGIC (Prioritizing ecologically significant and Globally Important areas for marine mammal Conservation: synthesizing the best available knowledge to inform management and policy) working group, funded by CESAB (Centre de Synthèse et d'Analyse sur la Biodiversité), Aix-en-Provence, December 2012.

Symposium on Ticking Time Bombs in the Human-Earth System – Information, Status, Timing, Significance, Research Needs, Canberra, November 2012 (Australian Academy of Science). **Invited presentation:** Conservation planning for a changing Great Barrier Reef.

Australian Centre for Ecological Analysis and Synthesis, second working group on Integrated Catchment-to-Coast Planning: Data, Decision Support, and Governance, Stradbroke Island, October 2012. Leader of working group.

Workshop on prioritisation of management actions for islands in the Great Barrier Reef and in the Pilbara region of Western Australia, Magnetic Island, October 2012. Leader of workshop.

2012 meeting of the Oceania Section of the Society for Conservation Biology, Darwin, September 2012 (Society for Conservation Biology). **Co-organiser of symposium:** Integrating systematic conservation planning with local management actions in Fiji. **Invited keynote presentation:** The mismeasure of conservation. **Eight invited presentations:** 1. Applications of spatial analysis to NRM and agency conservation management in tropical Australia; 2. Marine spatial planning in the Coral Triangle and Oceania: learning to deal with multiple objectives and scales; 3. Compromises between international habitat conservation guidelines and small-scale fisheries in Pacific Island countries, by M. Hamel, S. Andréfouët and R.L. Pressey; 4. A decision framework for prioritizing multiple management actions for long-lived, migratory, endangered species, applied in a data-poor context, by M. Fuentes, P. Visconti, H. Marsh and R.L. Pressey; 5. Improving the success of marine protected area networks: integration of social considerations into conservation planning, by G. Gurney, V.M. Adams, S.D. Jupiter and R.L. Pressey; 6. Indigenous knowledge integration and Land and Sea Country management in northern Australia, by A. Grech, H. Marsh and R.L. Pressey; 7. Multi-objective catchment-to-coast planning, by J. G. Álvarez-Romero, R.L. Pressey and V.M. Adams; 8. Planning for regional development and conservation: linking human wellbeing to spatial priorities, by V.M. Adams and R.L. Pressey; **Three contributed presentations:** 1. The costs of managing Queensland's protected areas, by I.D. Craigie and R.L. Pressey; 2. Expert elicitation of a Bayesian Belief Network for the Great Barrier Reef, by S. Ban and R.L. Pressey; 3. Conservation objectives and sea surface temperature anomalies in the Great Barrier Reef, by N.C. Ban, R.L. Pressey and S. Weeks.

Coast to Coast Conference 2012, Brisbane, September 2012. **Organiser of symposium:** Alternative futures for Great Barrier Reef coastal ecosystems. **Invited presentation:** Conservation planning for a changing coastal zone.

Wallace-Darwin Science Symposium, Makassar, September 2012 (Hasanuddin University and Charles Darwin University). **Invited plenary presentation:** Conserving the Wallacea biodiversity hotspot – challenges and potential for conservation planning.

*Third European Congress of Conservation Biology, Glasgow, August 2012 (European Section of the Society for Conservation Biology).* **Invited presentation:** *Mitigating future biodiversity loss, how much can protected areas do?, by P. Visconti, C. Rondinini, R. Alkemade, M. Bakkenes, D. Baisero, T.M. Brooks and R.L. Pressey.*

*RIMBA 3 Symposium: Sustaining Livelihood through Prudent Utilization and Management of Natural Resources, Permai Rainforest Resort, Malaysia, July 2012 (Charles Darwin University and University of Malaysia Sarawak).* **Invited presentation:** *Evaluating the efficacy of Sarawak's protected areas network for conserving native wildlife, by Lawes M.J., Mohd-Azlan J., Adams V.M., Hilton-Taylor C., Rondinini C., Visconti, P. and Pressey R.L.*

International Coral Reef Symposium, Cairns, July 2012 (James Cook University). **Invited presentation:** Commentary on the State of the Coral Triangle reports for Malaysia and Timor-Leste. **Organiser of mini-symposium:** Regional-scale design and local-scale actions for marine conservation. **Thirteen contributed presentations:** 1. Scaling up and down for effective marine spatial planning; 2. Scaling up marine protected areas to form networks in the Philippines, by V. Horigue, P. Aliño, A. White and R.L. Pressey; 3. Moving between scales to successfully achieve marine conservation goals, by M. Mills, R.L. Pressey, M. Bottrill and R. Weeks; 4. Spatial-temporal variation in exposure of marine ecosystems to land-based threats,

by J. J.G. Álvarez-Romero, M. Devlin, E. Teixeira da Silva, C. Petus, N. Ban, R.L. Pressey, J. Kool, J. Roberts, J. Brodie and A. Wenger; 5. Marine protected areas: understanding social impacts through time in North Sulawesi, Indonesia, by G. Gurney, R.L. Pressey, N. Ban, R. Pollnac and J. Cinner; 6. Predicting management costs of protected areas in the Coral Triangle, by I. Craigie and R.L. Pressey; 7. Designing community-based marine protected areas to achieve multiple objectives, by A. Green, M. Gleason, A. White, A. Maypa, R.L. Pressey, R. Weeks, G. Almany, R. Abesamis and L. Fernandes; 8. Biophysical principles for designing resilient MPA networks with multiple objectives, by L. Fernandes, A. Green, J. Tanzer, A. White, P. Aliño, J. Jompa, P. Lokani, A. Soemodinoto, M. Knight, B. Pomeroy, H. Possingham and R.L. Pressey; 9. Incorporating connectivity and climate change into marine conservation planning, by R. Magris, R.L. Pressey and R. Weeks; 10. Cost-effectiveness of habitat-based conservation planning for Solomon Islands coral reefs, by M. Hamel, R.L. Pressey and S. Andréfouët; 11. Characterisation of oceanic thermal anomalies in the Coral Triangle region, by S. Heron, R.L. Pressey, W. Skirving, T. Burgess, T. Christensen, M. Eakin, G. Liu, J. Li, E. Lucas, B. Parker, J. Rauenzahn and A. Strong; 12. Conservation objectives under climate change, by N. Ban, R.L. Pressey and S. Weeks; 13. Incorporating the knowledge of traditional peoples in qualitative risk assessments, by A. Grech, R.L. Pressey, H. Marsh and R. Coles.

Healthy Waterways Symposium, Mackay, June 2012 (Reef Catchments NRM). **Invited presentation:** Conservation planning for a changing coastal zone.

Framing Workshop on Consolidating Criteria to Identify Sites of Global Relevance for Biodiversity Conservation, Cambridge, June 2012 (Species Survival Commission & World Commission on Protected Areas). **Invited plenary presentation:** The IUCN standard in the context of systematic conservation planning.

Writing workshop on the role of historical ecology in marine conservation planning, Magnetic Island, April 2012.

Writing workshop on open ocean conservation planning, Stradbroke Island, March 2012.

Australian Centre for Ecological Analysis and Synthesis, first meeting of working group on Integrated Catchment-to-Coast Planning: Data, Decision Support, and Governance, Brisbane, March 2012. Leader of working group.

Island Arks Symposium II, Canberra, February 2012 (Reef Catchments NRM). **Invited keynote presentation:** Prioritizing conservation management actions on Australian islands: towards an operational model. **One contributed presentation:** Qualitative risk assessments to inform conservation prioritization in the Torres Strait, by A.G. Grech, R. Coles, H. Marsh and B. Pressey.

25<sup>th</sup> International Congress for Conservation Biology, Auckland, December 2011 (Society for Conservation Biology). **Organizer of symposium:** Adaptive conservation planning: rationale and requirements for adjustment of conservation designs to fit the real world. **Co-organizer of symposium:** Conservation and development: exploring the evidence for how conservation strategies are impacting both the social and ecological communities. **Co-organizer of symposium:** Systematic management of marine mega-fauna in a changing climate. **Co-organizer of workshop:** Operational principles for the planning and implementation of conservation actions in Indigenous and Traditional communities. **Co-organizer of marine conservation think tank:** Improving the effectiveness of community-managed marine protected areas for biodiversity conservation, fisheries management and climate change adaptation. **Five invited presentations:** 1. The plan of the day: managing the dynamic transition from regional-scale conservation design to local-scale conservation action; 2.

Complementing community-based marine management initiatives with strategic planning to meet local- and national-scale objectives in Fiji, by S.D. Jupiter, M. Mills, and R.L. Pressey; 3. Where do national and local conservation actions meet? Modelling differences between local implementation and national conservation planning in Fiji, by M. Mills, V. Adams, R.L. Pressey, N.C. Ban and S.D. Jupiter; 4. Systematic management of marine mega-fauna in a changing climate, by M. Fuentes, R.L. Pressey and H. Marsh; 5. Do stewardship payment programs work? Designing monitoring programs to measure social and ecological impacts, by V. Adams and R.L. Pressey. **Three contributed presentations:** 1. The decline of Mexico's cloud forests because of climate change, by R. Ponce-Reyes, J.E.M. Watson, V.H. Reynoso, J. VanDerWal, R.L. Pressey and H.P. Possingham; 2. Improving the effectiveness of community-managed marine protected areas for biodiversity conservation, fisheries management and climate change adaptation, by R. Weeks, R.L. Pressey and S.D. Jupiter; 3. The effects of natural disasters and stochastic events on the management costs of protected areas, by I. Craigie, R.L. Pressey and M. Hockings. **One contributed poster presentation:** Biological diversity in a Brazilian hotspot, by A.C. Sevilha, S.E. Williams, R.L. Pressey, G.R. Colli, R. Constantino, J. Marinho-Filho, M. Marini and R. Tidon.

Symposium on Coral Reefs: Coast to Coast, Fremantle, October 2011 (ARC Centre of Excellence for Coral Reef Studies). **Invited presentation:** Marine conservation planning in the Coral Triangle: 30 years of research meets socio-political realities.

*Queensland Coastal Conference, Cairns, October 2011. **Contributed presentation:** Innovative conservation planning in coastal Queensland: three applied research projects (July 2011 - December 2014).*

*Fiji Conservation Science Forum, Suva, September, 2011. **Contributed presentation:** Where do national and local conservation actions meet? Modelling differences between local implementation and national conservation planning in Fiji, by M. Mills, V.M. Adams, R.L. Pressey, N.C. Ban and S.D. Jupiter.*

*Third International Conference on Climate Change: Impacts and Responses, Rio de Janeiro, July 2011. **Contributed presentation:** Conservation in a dynamic world: an approach to biodiversity conservation planning in the Paran River Basin, Brazil, under climate change, by A.C. Sevilha, R.L. Pressey and S.E. Williams.*

Workshop on Riparian Ecosystems and Climate Change – Vulnerabilities, Impacts and Adaptation, Darwin, June 2011 (National Adaptation Research Networks for Water Resources and Freshwater Biodiversity, Terrestrial Biodiversity and Primary Industries). **Invited presentation:** Riparian zones, conservation planning, and climate change.

*Australian Vertebrate Pest Conference, Sydney, June 2011. **Contributed presentation:** Island Arks: the need for a national island biosecurity initiative, by R.C. Nias, A.A. Burbidge, D. Ball and R.L. Pressey.*

Second International Marine Conservation Congress, Victoria, British Columbia, May 2011 (Society for Conservation Biology). **Organizer of symposium:** Scaling down and scaling up: bridging the gap between regional-scale design and local-scale actions in marine spatial planning. **Seven invited presentations:** 1. Spatial planning for coral reef biodiversity and livelihoods: challenges and solutions; 2. Scaling up and down for effective MPAs: conceptual, technical, policy and institutional implications; 3. Competing land values and ongoing loss of native vegetation: managing trade-offs in integrated land-sea conservation planning, by J.G. Alvarez-Romero, R.L. Pressey and J. Brodie; 4. The devil you know: challenges and solutions for pelagic MPAs, by E.T. Game, H.S. Grantham, A.J. Hobday, R.L. Pressey, A.T. Lombard, L.E.



Beckley, K. Gjerde and R. Bustamante; 5. Sea surface temperature anomalies: how affected and effective are no-take zones?, by N. Ban, R.L. Pressey and S. Weeks; 6. Where do regional and local conservation actions meet? Modelling the differences between local implementation and regional conservation planning in Fiji, by M. Mills, V. Adams, R.L. Pressey, N. Ban and S. Jupiter; 7. Predicting effective implementation of conservation actions for systematic conservation planning, by M. Mills, R.L. Pressey, S. Aswani, A. Knight and S. Foale. **Four contributed presentations:** 1. Improving social acceptability of marine protected area networks: a method for estimating opportunity costs to multiple gear types, by V. Adams, M. Mills, S. Jupiter and R.L. Pressey; 2. Ridges to reefs conservation planning for Solomon Islands, by J. Kool, T. Brewer, M. Mills and R.L. Pressey; 3. An integrated Bayesian model of coral bleaching and disease, by S. Ban, N. Graham, R.L. Pressey and H. Sweatman; 4. Climate change considerations for systematic marine conservation planning, by Ban, N.C., Pressey, R.L. and Weeks, S.

Workshop on assessment of cumulative effects of underwater sound, Barrow, Alaska, April 2011. **Invited** to contribute to design of project on marine spatial planning to regulate acoustic impacts on bowhead whales.

*Ecological Society of Australia Annual Conference, Canberra, December 2010 (Ecological Society of Australia).* **Invited presentation:** *Applying choice modeling to design payment programs for off-reserve conservation in the Northern Territory, Australia, by V.M. Adams, R.L. Pressey and N. Stoeckl.*

Workshop on scaling up and scaling down marine spatial planning in the Coral Triangle: bridging the gap between regional design and local action, Washington DC, November 2010 (WWF-US). **Invited** to facilitate the workshop.

Workshop on Measuring the Performance of Protected Area Systems: challenges and opportunities, Washington DC, November 2010 (Global Environment Facility). **Invited presentation:** The mismeasure of conservation – towards better reporting on protected areas.

Symposium on Coral Reefs in a Changing Environment, Canberra, October 2010 (ARC Centre of Excellence for Coral Reef Studies). **Invited presentation:** Bridging the gap between regional-scale conservation design and local-scale conservation action in the Coral Triangle.

Australian Network for Plant Conservation 8<sup>th</sup> National Conference, September 2010, Perth. **Invited presentation:** Making the transition from regional-scale conservation design to local-scale conservation action.

2010 International meeting of the Association for Tropical Biology and Conservation, July 2010, Bali. **Invited presentation:** New directions for marine planning in the Coral Triangle: patch dynamics, connectivity, catchment management, and applying local-scale actions.

*International Congress for Conservation Biology, July 2010, Edmonton (Society for Conservation Biology).* **Six invited presentations:** 1. *A framework for incorporating patch dynamics into conservation planning;* 2. *Advancing marine systematic conservation planning through regional time series analyses of patch dynamics, by N.C. Ban, R.L. Pressey and S. Weeks;* 3. *Applying choice modeling to design payment programs for off-reserve conservation in the Northern Territory, Australia, by V.M. Adams, R.L. Pressey and N. Stoeckl;* 4. *Limitations of global prioritisations for conservation, and ways of minimizing them;* 5. *A conservation agenda for the persistence of the world's mammals, by P. Visconti, C. Rondinini, R.L. Pressey, Bakkenes, M., Alkemade, R., L. Boitani, F. Chiozza, and A. Falcucci;* 6. *What the available data*

on the world's mammals are (not) good for, by L. Boitani, C. Rondinini, A. Falcucci, L. Maiorano, P. Visconti and R.L. Pressey. **One contributed presentation:** Modelling resilience and spatial responses of coral reef ecosystems to climate change and associated stressors, by S. Ban and R.L. Pressey. **Two contributed posters:** 1. Measuring the cost-effectiveness of better maps of natural resources: scale, benefits, costs and outcomes for conservation, by T.C. Good, R. Pressey and M. Ridges; 2. Planning for action: tackling the mismatch of scales between regional planning and local implementation in Fiji, by M. Mills, S. Jupiter, B. Pressey, N. Ban and J. Comley.

2010 International Climate Change Adaptation Conference: Climate Adaptation Futures – Preparing for the Unavoidable Impacts of Climate Change, June 2010, Gold Coast (National Climate Change Adaptation Research Facility). **Contributed presentation:** Conservation planning for adaptation to climate change – an operational framework.

Second Asia Pacific Coral Reef Symposium, June 2010, Phuket. **Two contributed presentations:** 1. Marine spatial planning for coastal catchments, coral reef disturbances, and connectivity; 2. Towards more effective marine conservation planning: bridging the gap between regional-scale conservation design and local-scale conservation action.

Designing and Operating MPA Networks and “Systems” in the Coral Triangle Countries – a regional exchange and workshop, June 2010, Phuket (US Support to the Coral Triangle Initiative). **Invited presentation:** Some challenges in designing and implementing MPA networks in the Coral Triangle.

Wheatbelt NRM Region Strategic Conservation Plan, June 2010, Perth (Department of Environment and Conservation). **Invited** to facilitate the workshop.

Workshop on “How can climate change models inform conservation planning in the Coral Triangle?”, May 2010, Brisbane (The Nature Conservancy). **Invited presentation:** Conservation planning for marine dynamics in the Great Barrier Reef and Coral Triangle, considering climate change

Island Arks Symposium, December 2009, Whitsunday Islands (Reef Catchments Natural Resource Management). **Invited keynote presentation:** Estimating management costs of Great Barrier Reef islands and prioritizing management actions.

World Conference on Biological Invasions and Ecosystem Functioning, October 2009, Porto, Portugal. **Contributed presentation:** First things first – an optimization approach to prioritizing multiple invasive species management actions, by S. Januchowski, P. Visconti and B. Pressey.

Australian Society for Limnology Congress, September 2009, Alice Springs. **Contributed presentation:** Representing freshwater habitats and diversity – leading to more informed conservation planning, by S.R. Januchowski, R.L. Pressey, R.G. Pearson, J. VanDerWal, S. Linke, V. Hermoso Lopez, T. Rayner and B. Pusey.

Regional Workshop on Gap Analysis for Marine and Terrestrial Protected Areas in the ASEAN Region, Yogyakarta, September 2009 (ASEAN Centre for Biodiversity). **Invited keynote presentation:** Gap analysis in systematic conservation planning: data, objectives, measures of progress, priorities, and scale.

Second European Congress of Conservation Biology, Prague, September 2009 (European Section of the Society for Conservation Biology). **Invited presentation:** Considering the

*interaction between connectivity and anthropogenic threats in dynamic reserve design: the neighbourhood vulnerability approach*, by P. Visconti, R.L. Pressey, D.B. Segan and M.E. Watts.

**Two contributed presentations:** 1. *Addressing the bias in protected area reporting*, by L. Barr, H. Possingham and R. Pressey; 2. *An axiomatic theory of target-based site prioritization produces a simple and effective new index*, by S. Philips, D. Torknoroo, D. Applegate, A. Archer, D. Johnson and R. Pressey.

*Workshop on Marine Social Connectivity in the Gulf of California, Tucson, August 2009 (The Nature Conservancy & World Wildlife Fund)*. **Invited presentation:** *Incorporating social capital into marine conservation planning for the Gulf of California: the role of social network analysis*, by J.G. Álvarez-Romero, M. Mills, R. Pressey, K. Vance-Borland and J. Holley.

INTECOL (10<sup>th</sup> International Congress of Ecology), Brisbane, August 2009 (International Association for Ecology). **Two invited presentations:** 1. Conservation planning for a changing climate: challenges for science and implementation; 2. Planning in space and time for the persistence of biodiversity. **Eight contributed presentations:** 1. Towards a framework for integrated conservation planning of coastal catchments and near-shore marine waters; 2. Extending a protected area system: how do we make wise conservation investments?, by V Adams, D Segan, M Taylor and R.L. Pressey; 3. Marine patch dynamics and conservation planning, by N. Ban and R.L. Pressey; 4. Evaluating the development of genetic structure in interconnected populations, with implications for MPA network design, by J. Kool and R.L. Pressey; 5. Conservation planning for connectivity among marine, freshwater, and terrestrial realms, by M. Beger, M. Watts, R.L. Pressey and H. Possingham; 6. Marine opportunity costs: a method for calculating opportunity costs to multiple stakeholder groups, by V. Adams, M. Mills, S Jupiter and R.L. Pressey; 7. A spatially and temporally explicit decision framework to prioritize on-ground aquatic invasive species management, by S. Januchowski, P. Visconti and R. Pressey; 8. Incorporating uncertainty in stream classification: a fuzzy-probabilistic approach for conservation management, by S. Januchowski, J. VanDerWal, R.L. Pressey, R.G. Pearson, C. Thomas and B. Pusey.

*Fiji Islands Conservation Science Forum, Suva, August 2009 (Wetlands International Oceania, Wildlife Conservation Society, World Wide Fund for Nature, Fiji Government, University of the South Pacific, Fiji Locally Managed Marine Areas)*. **Two invited presentations:** 1. *Marine opportunity costs – a method for calculating opportunity costs to multiple stakeholder groups*, by V. Adams, S. Jupiter, R.L. Pressey and N. Stoeckl; 2. *Tackling the mismatch of scales between regional planning and local implementation in Fiji*, by M. Mills, S. Jupiter and R.L. Pressey.

*Society for Conservation Biology Annual Meeting, Beijing, July 2009 (Society for Conservation Biology)*. **Five contributed presentations:** 1. *Can being naive lead to more informed stream classifications? A Bayesian method to guide conservation*, by S.R. Januchowski, R.L. Pressey, J. VanDerWal, R.G. Pearson, T. Rayner and B. Pusey; 2. *First things first: a method for prioritizing aquatic pest management*, by S.R. Januchowski, P. Visconti, R.L. Pressey, D. Sydes, T. Sydes and L. Wearne; 3. *Planning from the land to the sea: an integrated operational framework*, by J.G. Álvarez Romero and R.L. Pressey; 4. *Considering the interaction between connectivity and anthropogenic threats in dynamic reserve design: the neighbourhood vulnerability approach*, by P. Visconti, R.L. Pressey, D. Segan and M. Watts; 5. *Habitat vulnerability in conservation planning: when does it matter and how much?*, by P. Visconti, R.L. Pressey and D. Segan.

*International Marine Conservation Congress, Washington DC, May 2009 (Society for Conservation Biology)*. **Two invited presentations:** 1. *A framework for conservation planning in the Bismarck Sea – pattern, process, and land-sea connections*, by N. Ban, R. Pressey, G. Lipsett-Moore and V. Agostini; 2. *An operational framework for integrated land-sea planning*, by J. Álvarez-Romero and R. Pressey. **Contributed presentation:** *Integrating social*

*opportunities and constraints for conservation action into conservation planning, by M. Mills and R. Pressey.*

*World Ocean Conference 2009, Manado, May 2009 (Indonesian Ministry of Marine Affairs and Fisheries). **Contributed presentation:** Three essential improvements to conservation planning for effective management of marine biodiversity in the Coral Triangle. **Contributed poster:** Resolving tradeoffs between upstream and downstream conservation objectives in coastal catchments, by D. de Freitas, R.L. Pressey, J.G. Álvarez-Romero, S. Januchowski and J. VanDerWal.*

The Art and Science of Good Environmental Decision Making, Canberra, March 2009 (Landscape Logic & the Applied Environmental Decision Analysis Centre). **Invited keynote presentation:** The mismeasure of conservation: how much difference do we really make?

*11<sup>th</sup> Pacific Science Inter-Congress, Tahiti, March 2009. **Three contributed presentations:** 1. Turning plans into reality: bridging the gap between region-scale conservation designs and local-scale implementation in the Asia-Pacific region; 2. A mismatch of scales: challenges in planning for implementation in the Coral Triangle, by M. Mills, R. Weeks, B. Pressey and S. Foale; 3. Designs for nature and people: adapting IUCN guidelines for regional conservation planning to the Pacific context, by M. Bottrill and B. Pressey.*

*Biodiversity Planning Forum, Umzumbe, KwaZulu-Natal, March 2009 (South African National Biodiversity Institute). **Contributed presentation:** Conservation planning in spatially and temporally dynamic marine environments, by H.S. Grantham, A.T. Lombard, E.T. Game, A.J. Hobday, A.J. Richardson, L.E. Beckley, R.L. Pressey, C.D. van der Lingen, S.L. Petersen, J.A. Huggett, J.C. Coetzee, D. Merkle, J.E. Alpine and H.P. Possingham.*

Regional conservation planning workshop for the lower Hunter Valley and Central Coast, New South Wales, Vacy, February 2009 (Hunter Councils Environment Division). **Invited presentation:** Some key principles for conservation planning.

Project launch for the South West Australia Ecoregion Initiative, Perth, February 2009 (WWF Australia and Western Australia Department of Environment and Conservation). **Invited presentation:** Conservation planning for south west Australia: toward world's best-practice in a global biodiversity hotspot.

Ecological Society of Australia Annual Conference, Sydney, December 2008 (Ecological Society of Australia). **Invited presentation to receive the inaugural Australian Ecology Research Award:** Conservation planning in a changing world. **Two contributed presentations:** 1. Conservation planning with dynamic threats: the role of spatial design and priority setting for species persistence, by P. Visconti, R.L. Pressey, D. Segan and B.A. Wintle; 2. A biotic assemblage classification of fluvial systems for regional conservation planning, by S.R. Januchowski, J. VanDerWal, R.L. Pressey and R.G. Pearson.

Australian Protected Area Congress 2008, Sunshine Coast, November 2008 (Queensland Environmental Protection Agency). **Invited keynote presentation:** Conservation planning in a changing world. **Invited presentation:** Planning from the mountains to the sea: where do freshwater protected areas fit? **Two contributed presentations:** 1. From conservation planning to action: what's involved in implementing effective plans for Australian protected areas?, by M. Bottrill and R.L. Pressey; 2. Extending the protected area system: how much will it cost?, by V. Adams and R.L. Pressey. **Contributed poster:** Towards a classification of streams for conservation planning in Queensland's Wet Tropics bioregion, by S. Januchowski, R.L. Pressey, R.G. Pearson, J. Vanderwal, and K. Williams.

Experts Forum on Scientific Principles for Marine Protected Area Design, Brisbane, November 2008 (The Ecology Centre, University of Queensland). **Invited** to help in developing scientific principles for MPA design to shape a national consensus.

James Cook University School of Earth and Environmental Sciences Research Student Conference, Townsville, November 2008 (James Cook University). **Invited keynote presentation:** A random walk into conservation planning, and some dubious advice on managing a scientific career.

Workshop on target setting for strategic conservation planning in the Avon NRM region, Perth, October 2008 (Western Australian Department of Environment and Conservation). **Invited** to facilitate three days of workshops on vegetation communities, wetlands and taxonomic groups.

World Conservation Congress, Barcelona, October 2008 (IUCN, the World Conservation Union). **Contributed presentation:** Introducing the SSC-WCPA guide to regional conservation planning. **Co-organiser** of workshop on Designs for nature: regional conservation planning, implementation and management.

Ecosystem-Based Management Tools Network, 6<sup>th</sup> Semi-Annual Meeting and Training for South Pacific Practitioners, Townsville, August 2008 (NatureServe EBM Tools Network). **Four invited presentations:** 1. Towards an interactive software tool for return-on-investment decisions for conservation; 2. The C-Plan conservation planning system; 3. A prototype tool for interactive return-on-investment decisions for conservation; 4. Integrated land-sea planning: an operational framework, by J. Álvarez-Romero and B. Pressey.

Coast to Coast Conference 2008, Darwin, August 2008 (Northern Territory Department of Natural Resources, Environment & the Arts). **Invited plenary presentation:** Towards a conceptual and technical framework for integrated planning of coastal catchments and nearshore marine waters. **Invited presentation:** Towards an interactive software tool for return-on-investment decisions for conservation, by D. Ward and B. Pressey.

Workshop on Assessing Management Costs for Queensland's Terrestrial Reserve System, Brisbane, August 2008 (Queensland Environmental Protection Agency). **Invited** to facilitate discussion about project design and grant application.

*Society for Conservation Biology Annual Meeting, Chattanooga, July 2008 (Society for Conservation Biology). **Thirteen contributed presentations:** (1) Opportunity costs: who pays for conservation?, by V.M. Adams, R.L. Pressey and R. Naidoo; (2) Integrated land-sea planning – an operational framework, by J. Álvarez-Romero and B. Pressey; (3) From conservation planning to action: what's involved in implementation?, by M. Bottrill and B. Pressey; (4) Simulating the effects of using different types of species distribution data in reserve selection: a case study using the Iberian herpetofauna, by S. Carvalho, J.C. Brito, B. Pressey, E. Crespo and H. Possingham; (5) How much time and money to spend on ecological data for conservation planning?, by H. Grantham, K. Wilson, B. Pressey, A. Moilanen, T. Rebelo and H. Possingham; (6) Freshwater conservation planning for the Wet Tropics bioregion, North Queensland, Australia, by S.R. Januchowski, R.L. Pressey, R.G. Pearson, J. Vanderwal and K. Williams; (7) Pantanal biosphere reserve using the decision-support software Marzone, by R.F. Lourival, M. Watts, Possingham, H.P. and R. Pressey; (8) Tropical montane cloud forest distribution in Mexico: past and future, by R.C. Ponce-Reyes and B. Pressey; (9) Towards a conceptual and technical framework for integrated conservation planning in coastal catchments and nearshore marine waters, by B. Pressey, E. Fleishman, R.*

Noss, K. Vance-Borland and C. Willer; (10) *MARXAN and Zonation: tool selection and impact on conservation area design*, by D.B. Segan, D. Ward, B. Pressey and H. Possingham; (11) *Conservation planning with dynamic threats: the role of spatial design and priority setting for species persistence*, by P. Visconti, B. Pressey, D. Segan and B.A. Wintle; (12) *A conservation planning tool for calculating return on investment at the resolution of land parcels and other small areas*, by D. Ward, B. Pressey, D. Segan and H. Possingham; (13) *Towards interactive return on investment calculations for conservation planning*, by D. Ward, B. Pressey, D. Segan and H. Possingham; **Co-organiser** of symposium: *Integrated land-sea conservation planning: concepts and case studies*.

13th Southern African Marine Science Symposium, Cape Town, June 2008. **Contributed presentation:** *Conservation planning in spatially and temporally dynamic marine environments*, by H.S. Grantham, A.T. Lombard, E.T. Game, A.J. Hobday, A.J. Richardson, L.E. Beckley, R.L. Pressey, C.D. van der Lingen, S.L. Petersen, J.A. Huggett, J.C. Coetzee, D. Merkle, J.E. Alpine and H.P. Possingham.

Ninth Meeting of the Conference of the Parties to the Convention on Biological Diversity, Bonn, Germany, May 2008 (World Conservation Union). **Contributed presentation:** *Systematic conservation planning for implementing the Convention on Biological Diversity Programmes of Work*, by M. Bottrill and R. Pressey.

Workshop on water quality remote sensing in the Great Barrier Reef, Townsville, May 2008 (Reef and Rainforest Research Corporation). **Invited presentation:** *Towards a framework for integrated planning for coastal catchments and nearshore marine waters*.

Workshop on patch dynamics and conservation planning, Townsville, May 2008 (University of Queensland & James Cook University). **Organiser and facilitator. Contributed presentation:** *Planning for biodiversity processes, with special reference to patch dynamics*.

METIER Graduate Training Course in Ecological Modelling, Leipzig, May 2008 (Helmholtz Centre for Environmental Research). **Contributed poster:** *Conservation of the neglected – cloud forests*, by R. Ponce and R.L. Pressey.

Workshop on large scale ecological processes and conservation planning for Southwest Australia, Perth, April 2008 (WWF Australia). **Invited presentation:** *Conservation planning for biodiversity processes: some starting points for Southwest Australia*.

Workshop on challenges for systematic conservation planning: limitations and future directions, University of California, Davis, March 2008 (Graduate Group of Ecology). **Invited presentation:** *Some challenges and future directions in conservation planning*.

First Asia-Pacific Conservation Learning Exchange (APEX 2007), Balikpapan, East Kalimantan, December 2007 (The Nature Conservancy). **Invited plenary presentation:** *Future directions in conservation planning*.

Workshop on data for conservation planning in Southwest Australia, Perth, October 2007 (WWF Australia). **Invited presentation:** *Data for conservation planning in Southwest Australia*.

Workshop on Connectivity and population resilience: sustaining coral reefs during the coming century, Townsville, October 2007 (ARC Centre of Excellence for Coral Reef Studies & United Nations University). **Invited presentation:** *Conservation planning for connectivity: how good are we?*

Forum on Building Capacity and Cooperation for Sustainable Development of Pacific Coastal Resources, Townsville, September 2007 (Department of Environment and Water Resources & AusAID). **Invited presentation:** Conservation planning in a changing world.

Society for Conservation Biology Annual Meeting, Port Elizabeth, July 2007 (Society for Conservation Biology). **Five contributed presentations:** (1) Planning for biodiversity conservation on the Amazon's várzea floodplains: exploratory analyses of alternative scenarios; (2) Identifying management priorities for riverine landscapes: Integration of irreplaceability, condition and vulnerability, by S. Linke, R.L. Pressey, R.C. Bailey and R.H. Norris; (3) Planning for the future: building a generic framework for conservation planning, by M. Bottrill and R.L. Pressey; (4) A systematic plan for the conservation of southeast Asian mammals, by C. Rondinini, L. Boitani, G. Catullo, F. Chiozza, A. Falcucci, H. Grantham, L. Maiorano, H. Possingham, B. Pressey, V. Salvatori, W. Turner and K. Wilson; (5) Systematic conservation planning for pelagic ecosystems, by H. Grantham, J. Alpine, L. Beckley, E. Game, A. Hobday, A. Lombard, H. Possingham, R. Pressey and A. Richardson. **Contributed poster:** Assessing conservation priorities of Mexican tropical montane cloud forest fragments using microendemic species, by R. Ponce and R.L. Pressey. **Co-organiser** of four-day short course: Systematic conservation planning and the role of software – from data to implementation and management.

Symposium on Protected areas: buffering nature against climate change, Canberra, June 2007 (WWF-Australia and IUCN World Commission on Protected Areas). **Invited presentation:** Conservation planning for a changing climate.

Workshop on protected area selection and management, Izmir, Turkey, May 2007 (Ministry of Environment and Forestry). **Invited presentation:** State of the art in systematic conservation planning.

Department of Biological Sciences, Middle East Technical University, Ankara, Turkey, May 2007. **Invited** to collaborate on systematic conservation planning in parts of Turkey.

Workshop on "How good is IBRA as a regionalisation framework for aquatic ecosystems?", Melbourne, May 2007 (Department of the Environment and Water Resources). **Invited** to contribute to discussion on aquatic regionalisation for Australia.

Workshop on Landscape and Population Connectivity for Conservation Planning, National Center for Ecological Analysis and Synthesis, Santa Barbara, March 2007 (Wilburforce Foundation). **Invited** to contribute as a member of the working group.

Workshop on conservation planning for pelagic ecosystems, Byron Bay, February 2007 (University of Queensland). **Invited** to collaborate on developing and publishing planning methods for dynamic marine environments.

*2006 Science Team meeting for LBA-ECO (a component of the Large-scale Biosphere-Atmosphere Experiment in Amazonia), Brasilia, October 2006 (National Institute for Amazonian Research). **Contributed poster:** Assessment of multi-scale optical and microwave imagery for mapping biodiversity surrogates at an Amazon floodplain site, by L. Hess, E.M.L.M. Novo, A.G. Affonso, R.L. Pressey and A.L.K.M. Albernaz.*

Workshop on systematic conservation of south-east Asian mammals, Pentolina, Italy, September 2006 (University of Rome). **Invited** to collaborate on using a new data set to

initiate research projects and develop a scientific framework for the conservation of south-east Asian mammals.

Conservation planning symposium for the Southwest Australia Ecoregion Initiative, Perth, September 2006 (World Wide Fund for Nature). **Three invited presentations:** (1) Systematic conservation planning: achievements, case studies, and some remaining challenges; (2) Conservation planning software: why you need to use it, and why you need to worry about using it; (3) Using C-Plan and MARXAN to explore options for achieving conservation objectives.

First European Congress of Conservation Biology, Eger, Hungary, August 2006 (European Section of the Society for Conservation Biology). **Invited plenary presentation:** Moving targets - planning to maintain biodiversity processes in the context of anthropogenic landscape dynamics. **Three contributed presentations:** (1) Benefit functions for conservation planning; (2) Towards systematic conservation planning in managed forests of Fennoscandia, by G. Mikusinski, L. Edenius and R.L. Pressey; (3) The trade-off between improving data and implementing conservation action, by H. Grantham, R. Pressey, K. Wilson and H. Possingham. **Co-organiser of symposium:** Systematic conservation planning in the European landscape: conflicts, environmental changes, and the challenge of Countdown 2010. **Organiser** of one-day short course: Systematic conservation planning: concepts & techniques, applications & challenges.

Society for Conservation Biology Annual Meeting, San Jose, July 2006 (Society for Conservation Biology). **Two invited presentations:** (1) Conservation design for biodiversity processes – progress and challenges; (2) Using research to drive the policy agenda – science or advocacy? **One contributed presentation:** Do priority regions put conservation resources in the right places? **Organiser** of one-day short course: Systematic conservation planning: concepts, case studies, and applications of software.

Joint IUCN World Commission on Protected Areas and Species Survival Commission meeting on integration of conservation planning methods, London, June 2006 (IUCN). **Invited** to facilitate the meeting and draft the report on findings and future directions.

*North American Benthological Society 54<sup>th</sup> Annual Conference, Anchorage, Alaska, June 2006 (North American Benthological Society). **Invited presentation:** Systematic conservation planning in river networks: integrating landscape condition and conservation value, by S. Linke, R.L. Pressey, R.C. Bailey and R.H. Norris.*

State of the Art Workshop on Protected Areas Design, Guelph, March 2006 (Parks Research Forum of Ontario). **Invited keynote presentation:** Systematic methods for protected area design: where have we been, where do we need to go?

Science planning meeting for The Nature Conservancy's identification of priority regions in Australia for conservation, Brisbane, February 2006 (University of Queensland, The Nature Conservancy). **Invited** to contribute to discussion about priorities for funding conservation action within Australia.

Workshop on "Where do we act to get the biggest conservation bang for our buck? A systematic spatial prioritisation for Australia", Brisbane, January 2006 (University of Queensland and Department of Environment and Heritage). **Invited** as a member of the scientific reference panel to advise on the direction of the project.



Workshop on implementing the Durban Vision for strategic conservation planning in Madagascar, Antananarivo, December 2005 (Conservation International). **Invited** to facilitate the workshop and brief USAID on a two-year work plan to compile data and identify national priority areas for conservation.

*Ecological Society of Australia Conference, Brisbane, December 2005 (Ecological Society of Australia).* **Three contributed presentations:** (1) *Review of methods for testing interspecies congruence for conservation planning*, by V. Logan and B. Pressey; (2) *Do priority regions direct conservation resources to the right places?*, by B. Pressey, M. Watts, K. Wilson, B. Reyers, M. Rouget, R. Cowling and M. Lombard; (3) *Surrogate effectiveness and exploring the trade-off between improving data and implementing conservation action*, by H. Grantham, B. Pressey, K. Wilson and H. Possingham.

Workshop on evaluating methods of allocating conservation resources: Mediterranean ecoregions case study, Brisbane, November 2005 (The Nature Conservancy). **Invited presentation:** Conservation planning in the Cape Floristic Region, South Africa – targets, design and implementation.

*Australian Society for Limnology Annual Congress, Hobart, November 2005 (Australian Society for Limnology).* **Contributed presentation:** *Introducing systematic conservation planning to river networks in Victoria*, by S. Linke, R.L. Pressey, R.H. Norris and R.C. Bailey.

First International Marine Protected Area Congress, post-conference workshop on the use of decision support systems in the design of marine protected areas, Geelong, October 2005 (University of Queensland). **Contributed presentation:** Types of limitations of decision support systems for conservation planning.

The Great Greenhouse Gamble – a Conference on Impacts of Climate Change on Biodiversity and Natural Resource Management, Sydney, September 2005 (Nature Conservation Council of New South Wales). **Invited presentation:** Conservation planning for climate change – emerging methods and conflicting priorities.

Department of Environmental Sciences, University of Virginia, Charlottesville, September 2005. **Invited** to give presentations on conservation planning and to discuss potential collaboration in ecology, remote sensing, and biodiversity conservation.

Society for Conservation Biology Annual Meeting, Brasilia, July 2005 (Society for Conservation Biology). **Invited plenary presentation:** Systematic conservation planning: progress and potential. **Organiser** of two-day short course: Systematic conservation planning - concepts and case studies. **Co-organiser** of symposium: Planning for biodiversity conservation in the várzea floodplains of the Amazon Basin. **Five contributed presentations:** (1) A spatial framework for conservation planning in the várzea; (2) Development of a biodiversity conservation plan for the várzea; (3) Existing reserves in the Brazilian várzea: benefits and limitations, by C. Scaramuzza, A. Oviedo, A. Albernaz and R.L. Pressey; (4) The conservation resource allocation problem, by H.P. Possingham, M.A. McCarthy, R.L. Pressey and K. Wilson; (5) Unresolved issues in testing the effectiveness of biodiversity surrogates, by H. Grantham, A.J. Beattie and R.L. Pressey.

Metapopulation Research Group, University of Helsinki, Helsinki, March 2005. **Invited** to collaborate on new methods for conservation planning involving modelling of metapopulations, land use dynamics, and climate change and to write a review paper on conservation planning with land use dynamics.

Science Advisory Workshop for BEACONS (Boreal Ecosystems Analysis for Conservation Networks), Bowen Island, Vancouver, February 2005 (University of Alberta). **Invited** to advise on conservation planning for biodiversity pattern and process across the boreal zone of Canada.

Conservation planning workshop, Heron Island & Brisbane, January 2005 (University of Queensland). **Invited** to contribute to discussion and publications on frontiers in conservation planning.

Meeting of the Amazon River and Floodplain Ecoregion Working Group, Manaus, November 2004 (World Wildlife Fund, Brazil). **Invited** to facilitate discussion on development of a spatial data framework and application of conservation planning software for the várzea floodplains of the Amazon Basin. Invited paper: A spatial framework for conservation planning in the várzea floodplains of the Amazon Basin.

Expert Panel on Hunter-Central Coast vegetation assessment, Newcastle, November 2004 (Hunter and Central Coast Regional Environmental Management Strategy). **Invited** to advise on organisation and use of data on vegetation cover, type and condition.

*VI Congreso Nacional de Areas Naturales Protegidas, Monterrey, Mexico, November 2004 (Comision de Areas Naturales Protegidas de Nuevo Leon). **Invited presentation:** Australian protected areas: a critical appraisal, by N. Reid and B. Pressey.*

*Ninth INFORMS Computing Society Conference: the Next Wave in Computing, Optimization, and Decision Technologies, Annapolis, January 2005 (Institute for Operations Research and Management Sciences Computing Society). **Invited presentation:** Large-scale conservation reserve design with economic, ecological and spatial criteria, by H. Onal, R.L. Pressey, M. Ridges and G.I.H. Kerley.*

Conference on Freshwater Protected Areas: new and existing tools for conserving freshwater ecosystems, Sydney, September 2004 (Inland Rivers Network & World Wide Fund for Nature, Australia). **Invited presentation:** Biodiversity targets for aquatic ecosystems: are there any lessons from terrestrial conservation planning?

The Wetland Innovation Series: Innovations, Obligations and Incentives, Newcastle, September 2004 (The Wetlands Centre, Australia). **Two contributed presentations:** (1) Developing a conservation plan for the várzea floodplains of the Amazon Basin; (2) Local government strategic conservation planning for wetlands and other biodiversity - Wyong Shire, New South Wales, by S. Duncan, R.L. Pressey and M. Ridges.

Society for Conservation Biology Annual Meeting, New York, July 2004 (Society for Conservation Biology). **Two invited presentations:** (1) History and development of conservation planning tools; (2) Limitations of conservation planning tools and future directions for R&D. **Contributed presentation:** Global gap analysis: assessing the effectiveness of the global network of protected areas in representing species diversity, by A.S.L. Rodrigues, S.J. Andelman, M.I. Bakarr, L. Boitani, T.M. Brooks, R.M. Cowling, L.D.C. Fishpool, G.A.B. da Fonseca, K.J. Gaston, M. Hoffmann, J.S. Long, P.A. Marquet, J.D. Pilgrim, R.L. Pressey, J. Schipper, W. Sechrest, S.N. Stuart, L.G. Underhill, R.W. Waller, M.E.J. Watts and X. Yan. **Contributed poster:** Biodiversity surrogates – do they work?, by H. Grantham, A. Beattie and B. Pressey.

Workshop on spatial-dynamic models of economics and ecosystems & workshop on spatial aspects of reserve design optimization under economic constraints, Trieste, April 2004 (Abdus

Salam International Centre for Theoretical Physics). **Invited presentation:** Terrestrial reserve design - history and biological principles.

Biodiversity Planning and Implementation Forum - Systematic conservation planning: tools and lessons from implementation, Cape Town, January 2004 (National Botanical Institute). **Three invited presentations:** (1) Introduction to conservation planning software; (2) Demonstration of two software systems for conservation planning using data from the Cape Floristic Region (C-Plan and MARXAN); (3) Issues for implementation and the roles of conservation planning software.

Southern Connections 2004 – Towards a Southern Perspective, Cape Town, January 2004 (University of Cape Town). **Co-organiser** of symposium on “Incorporating biodiversity processes into conservation planning”. **Two contributed presentations:** (1) Types of approaches to incorporating biodiversity processes into conservation planning; (2) Scheduling conservation action on the ground: the need to make difficult choices between biodiversity features in day-to-day planning.

Ecological Society of Australia Conference, Armidale, December 2003 (Ecological Society of Australia). **Two contributed presentations:** (1) Conservation planning for biodiversity processes: five ways of keeping time in space; (2) Methods for testing biodiversity surrogates for regional conservation planning, by H. Grantham, A. Beattie and B. Pressey. **Two contributed posters:** (1) Testing the effectiveness of biodiversity surrogates in conservation planning - limitations of minimum set comparisons, by V. Logan and B. Pressey; (2) Conservation planning at the local government level: the Wyong Shire Conservation Strategy, by M. Ridges, B. Pressey and S. Duncan.

NSW Coastal Conference, Port Macquarie, November 2003 (Hastings Council and Coastal Council of NSW). **Contributed presentation:** Overview of the Wyong Conservation Strategy: planning context, data, conservation targets and outcomes, by S.J. Duncan, R.L. Pressey and M.J. Ridges.

V<sup>th</sup> World Parks Congress, Durban, September 2003 (IUCN – the World Conservation Union). **Organiser** of two-day short course: Conservation planning with software and expert judgement – targets, gaps and priorities. **Six contributed presentations:** (1) Summary of issues from the international working group on conservation planning tools; (2) Global gap analysis of terrestrial vertebrates: where to from here?, by A. Rodrigues, T. Brooks, M. Bakarr, G. da Fonseca, M. Hofmann, J. Pilgrim, R. Waller, S. Andelman, L. Boitani, R. Cowling, L. Fishpool, K. Gaston, J. Long, S. Stuart, P. Marquet, R. Pressey, M. Watts, J. Schipper, W. Sechrest, L. Underhill and X. Yan; (3) The role of species data in regional conservation plans: case studies from South Africa, by A.T. Lombard, P.G. Desmet, R.M. Cowling and R.L. Pressey; (4) Integrating ecological and evolutionary processes into conservation plans: examples from three southern African ecoregions, by M. Rouget, R.M. Cowling, D.M. Richardson, P.G. Desmet and R.L. Pressey; (5) Accommodating megaherbivores and predators in conservation plans: a new approach, by G.I.H. Kerley, A.F. Boshoff, R.L. Pressey, R. Sims-Castley and S. Wilson; (6) Estimating the costs of conserving a biodiversity hotspot: a case study of the Cape Floristic Region, South Africa, by S. Frazee, R.M. Cowling and R.L. Pressey.

*British Ecological Society Annual Conference, Manchester, September 2003 (British Ecological Society).* **Contributed presentation:** *Assessing irreplaceability values for biodiversity: does the method matter?*, by J. Carwardine, W.A. Rochester, K. Richardson, K. Williams, R.L. Pressey and H.P. Possingham.

International working group on software tools for conservation planning, National Center for Ecological Analysis and Synthesis, Santa Barbara, June 2003 (NCEAS). **Invited** to lead the working group.

Workshop on sampling design for the flooded forest biodiversity study, Manaus, Brazil, June 2003 (Museu Paraense Emilio Goeldi & Instituto Nacional de Pesquisas da Amazonia). **Invited presentation:** Preparing and analysing data sets for conservation planning.

Workshop on Gap Analysis for Building the Global Coverage of Protected Areas, National Center for Ecological Analysis and Synthesis, Santa Barbara, March 2003 (Conservation International). **Invited** to contribute as a member of the technical steering committee.

Student Conference on Conservation Science, University of Cambridge, March 2003 (University of Cambridge, Department of Zoology). **Invited plenary address:** Conservation planning - where is it all going?

Workshop on “Linking landscape ecology and management to population viability analysis – a case study in northeast Tasmania”, Melbourne, February 2003 (University of Melbourne). **Invited** to contribute to project design and methods.

Ecological Society of Australia - Conference and Open Forum, Cairns, December 2002 (Ecological Society of Australia). **Three contributed presentations:** (1) The tradeoff between efficiency and design in conservation planning: reasons and reconciliation; (2) Setting conservation priorities for Melbourne’s grasslands: how sensitive is conservation value to uncertain data?, by E. Nicholson, B. Pressey, M. Burgman, W. Rochester and H. Possingham; (3) Assessing irreplaceability values for biodiversity: how do different methods compare?, by J. Carwardine, K. Richardson, W. Rochester, H. Possingham, B. Pressey and K. Williams. **Contributed poster:** Incorporating vulnerability and data uncertainty into the selection of conservation reserves, by K.A. Wilson, B. Pressey, M. Burgman and C. Weston.

Forum on “Marine and coastal environments: is their conservation a case of out of sight, out of mind?”, Sydney, October 2002 (Royal Zoological Society of New South Wales). **Invited presentation:** Terrestrial and marine conservation planning - how different are they?

Sierra Nevada Science Symposium, Lake Tahoe, California, October 2002 (University of California, Berkeley). **Invited presentation:** New directions in conservation planning.

National Parks and Wildlife Service Northern Directorate Advisory Committee Annual Conference, Armidale, August 2002 (New South Wales National Parks and Wildlife Service). **Invited presentation:** Past and future research on conservation planning in New South Wales.

Society for Conservation Biology Annual Meeting, Canterbury, England, July 2002 (Society for Conservation Biology). **Five invited presentations:** (1) Priority conservation areas: testing alternative approaches with simulations of future land uses; (2) (plenary) Planning for multiple biodiversity targets: a case study from the Cape Floristic Region, by R.M. Cowling and R.L. Pressey; (3) Efficiency of land class versus species locality data in conservation planning for the Cape Floristic Region, by A.T. Lombard, R.L. Pressey, R.M. Cowling and A.G. Rebelo; (4) Formulating conservation targets for biodiversity pattern and process in the Cape Floristic Region, South Africa, by R.L. Pressey, R.M. Cowling and M. Rouget; (5) Options for the conservation of large- and medium-sized mammals in the Cape Floristic Region, by G.I.H. Kerley, R.L. Pressey, R.M. Cowling, A.F. Boshoff and R. Sims-Castley.

University of New England Postgraduate Conference, University of New England, Armidale, July 2002 (University of New England, Department of Ecosystem Management). **Invited plenary presentation:** Conservation planning – where is it all going?

Workshop on “Towards landscape conservation in Southern Directorate – integrated mechanisms and our capacity to deliver”, Canberra, June 2002 (New South Wales National Parks and Wildlife Service). **Invited keynote presentation:** From planning to implementation: some issues concerning scale of analysis and scheduling of conservation action on the ground.

Trans-Tasman workshop: new directions in measuring conservation status, priority and achievement, Armidale, May 2002 (Landcare Research New Zealand & New South Wales National Parks and Wildlife Service). **Invited presentation:** An overview of systematic conservation planning.

Wyong Shire Conservation Plan Workshop, Wyong, March 2002 (Wyong Shire Council). **Invited presentation:** Potential for using conservation planning software to produce a new Local Environmental Plan for Wyong Shire.

Chinese Academy of Forestry working group on Forests of the Upper Yangtze Ecoregion, Beijing, January 2002 (World Wide Fund for Nature, China). **Invited** to advise on compilation and analysis of data for a regional conservation plan.

*World Wilderness Congress, Port Elizabeth, South Africa, November 2001 (United States Department of Agriculture Forest Service). **Contributed presentation:** A systematic approach for identifying spatial components of ecological processes for conservation planning, by M. Rouget, R.M. Cowling, D.M. Richardson and R.L. Pressey.*

Ecological Society of Australia - Conference and Open Forum, Wollongong, September 2001 (Ecological Society of Australia). **Contributed presentation:** Is maximising protection the same as minimising loss? – efficiency and retention as alternative measures of the effectiveness of proposed reserves.

*Fynbos Forum, Calizdorp Spa, South Africa, August 2001 (Botanical Society of South Africa). **Contributed presentation:** The expert or the algorithm? - comparison of priority conservation areas in the Cape Floristic Region identified by park managers and reserve selection software, by R.M. Cowling, R.L. Pressey, A. le Roux, E. Baard, C.J. Burgers, G. Palmer and R. Sims-Castley.*

*Ecological Society of America 86<sup>th</sup> Annual Meeting, Madison, Wisconsin, August 2001 (Ecological Society of America). **Contributed presentation:** Conservation planning for medium- and large-sized mammals in the Cape Floristic Region, South Africa, by G.I.H. Kerley, R.L. Pressey, A.F. Boshoff, R.M. Cowling and R. Sims-Castley.*

Society for Conservation Biology Annual Meeting, Hilo, Hawaii, July 2001 (Society for Conservation Biology). **Invited** as the 2001 recipient of the Society’s Edward T. LaRoe III Memorial Award for outstanding application of science to the conservation of biological resources.

Zoological Society of Southern Africa Annual Conference, Port Elizabeth, South Africa, July 2001 (University of Port Elizabeth). **Invited plenary presentation:** Is maximizing protection the same as minimizing loss? – efficiency and retention as alternative measures of the effectiveness of proposed reserves. **Two contributed presentations:** (1) Insights arising from mammal conservation planning in the Cape Floristic Region, by G.I.H. Kerley, A.F. Boshoff, R.M. Cowling, R.L. Pressey and R. Sims-Castley; (2) Efficiency of land class data versus species

locality data in conservation planning, by A.T. Lombard, R.M. Cowling, R.L. Pressey, A.V. Rebelo and N.S. Cole.

Workshop on systematic conservation planning for Forests of the Upper Yangtze Ecoregion, Beijing, China, April 2001 (World Wide Fund for Nature, China). **Invited** to present the framework for the WWF manual on systematic conservation planning and to facilitate discussions on goals, data and conservation targets for the region.

World Wide Fund for Nature Global Forest Advisory Group Meeting, Sanur, Bali, January 2001 (World Wide Fund for Nature, International). **Invited** to present and discuss the proposed framework for the WWF manual on systematic conservation planning.

Workshop on Conservation Planning for a Representative Reserve Network in the Cape Floral Kingdom, George, South Africa, November 2000 (Cape Nature Conservation). **Invited** to help facilitate the workshop and coordinate the results for publication.

University of Cape Town and University of Port Elizabeth, South Africa, November 2000. **Invited** to collaborate on conservation plans for the Cape Floristic Region and the Thicket Biome.

International Workshop on Bioenergy from Sustainable Forestry: Principles and Practice, Coffs Harbour, October 2000 (International Energy Agency Task 18 – Conventional Forestry Systems for Bioenergy). **Invited presentation:** Planning for biodiversity pattern and process: on targets, planning procedures and measures of success.

*MEDECOS (Mediterranean Ecosystems) 2000 Conference, Stellenbosch, South Africa, September 2000 (University of the Western Cape, South Africa). **Invited keynote presentation:** Planning for persistence: a framework for a system of conservation areas for the Cape Floristic Region hotspot, by R.M. Cowling, R.L. Pressey, A.T. Lombard, C.E. Hejnis and D.M. Richardson.*

Expert Workshop on New South Wales Western Region Assessments, Sydney, August 2000 (New South Wales Resource and Conservation Assessment Council). **Invited** for discussions and recommendations on appropriate technologies and protocols for regional conservation assessments in western New South Wales.

*Evolution 2000 (joint meeting of the Society for the Study of Evolution, the American Society of Naturalists, the Society of Systematic Biologists, and the Association of Tropical Biologists), Bloomington, Indiana, June 2000 (Indiana University). **Invited presentation:** From representation to persistence - requirements for a sustainable system of conservation areas, by R.M. Cowling, A.T. Lombard and R.L. Pressey.*

*Conference on Australian National Parks and Wildlife Law and Policy, Armidale, June 2000 (University of New England Law School). **Invited presentation:** Science and politics in the New South Wales Regional Forest Agreements: a retrospective, by R.L. Pressey, T.W. Barrett and M.E. Watts.*

Beyond the Trees - an International Conference on the Design and Management of Forest Protected Areas, Bangkok, May 2000 (World Wide Fund for Nature). **Invited keynote presentation:** A framework for strategic, explicit conservation planning for the real world.

*Colloquium on the Future of Evolution, Irvine, California, March 2000 (National Academy of Sciences). **Invited presentation:** Rapid plant diversification – planning for an evolutionary future, by R.M. Cowling and R.L. Pressey.*

Ecological Representation Publication Planning Workshop, Yverdon, Switzerland, February 2000 (World Wide Fund for Nature). **Invited presentation:** Application of ecological representation principles in WWF's Forests for Life Campaign.

International Workshop on Ecoregion-based Conservation in the Eastern Himalayas: Developing a Biodiversity Vision, Kathmandu, December 1999 (World Wide Fund for Nature, International Center for Integrated Mountain Development, United Nations Development Program). **Invited presentation:** Methods for gap analysis and identifying priority conservation areas in New South Wales. **Invited** to review the WWF-US procedure for using expert knowledge in identifying priority conservation areas within ecoregions, and specifically in the Eastern Himalaya.

Expert Analytical Group Meeting, Representative Areas Program, Great Barrier Reef Marine Park Authority, Brisbane, November 1999 (Great Barrier Reef Marine Park Authority). **Invited** to help develop a work program for the group's identification of highly protected areas within the marine park.

Technical Committee Workshop for CAPE (Cape Action Plan for the Environment), University of Cape Town, Cape Town, November 1999. **Invited presentation:** The C-Plan decision support system applied to a new dataset for the Cape Floristic Region.

Institute for Plant Conservation, Department of Botany, University of Cape Town, South Africa, October-November 1999. **Invited** to collaborate on conservation plans for the Cape Floristic Region and the Thicket Biome.

Landscape Futures – an International Symposium, Armidale, September 1999 (University of New England). **Invited presentation:** Analysis of alternative futures to guide the identification of priority conservation areas.

Regional Vegetation Management Planning training course, Wellington, August 1999 (New South Wales Department of Land and Water Conservation). **Invited presentation:** The C-Plan interactive system for conservation planning and its potential application in vegetation planning for private land.

19<sup>th</sup> Pacific Science Congress, Sydney, July 1999 (University of New South Wales). **Invited keynote presentation:** Identifying priority areas for conserving biodiversity: from selection to negotiation, pattern to process, reservation to bioregional management.

Cobar Peneplain Project – Candidate Management Areas Assessment, Sydney, June 1999 (New South Wales National Parks and Wildlife Service). **Invited presentation:** The C-Plan decision-support system and its application in designing conservation areas for the Cobar Peneplain biogeographic region.

*Second Asia-Pacific Conference on Biotechnology: Biodiversity, Biotechnology & Biobusiness, Perth, November 1998 (Murdoch University). **Contributed presentation:** Use of a GIS-based planning tool in marine park zoning, by S. Pilav-Savic, R. Pressey and P. Ralph.*

Vegetation Conservation Objectives Workshop, Sydney, November 1998 (New South Wales Department of Land and Water Conservation). **Invited presentation** on a project reviewing the effectiveness of the New South Wales reserve system and implications for future conservation priorities.

Great Australian Bight Marine Park Research and Monitoring Scientific Workshop, Kingscote, South Australia, October 1998 (Environment Australia Biodiversity Group). **Invited presentation:** Methods for identifying priority conservation areas: applicability to conservation of natural processes and management of established reserves.

25<sup>th</sup> Congress of the International Organisation for Succulent Plant Study, Cape Town, September 1998 (National Botanical Institute & Succulent Society of South Africa). **Invited presentation:** Reserve design and conservation planning in the Succulent Karoo, South Africa.

Workshop on Conservation Planning - Strategic Approaches in a Changing World, University of Cape Town, August 1998 (Fitzpatrick Institute, University of Cape Town). **Invited presentation** on concepts and techniques for systematic conservation planning and demonstration of conservation planning software.

Institute for Plant Conservation, Department of Botany, University of Cape Town, Cape Town, August-September 1998. **Invited** to collaborate on conservation plans for the Cape Floristic Region and the Succulent Karoo biome.

Twelfth Annual Meeting and Third International Meeting of the Society for Conservation Biology, Sydney, July 1998 (Society for Conservation Biology). **Organiser** of symposium on "Priority areas for conservation: narrowing the gaps between principles and practice". **Two contributed presentations:** (1) If the world were a logical place - principles for the effective location of scarce conservation resources; (2) Strategies for narrowing the gaps between principles and practice.

Conference on Biological Informatics, Canberra, July 1998 (Australian Academy of Science). **Invited presentation:** Use and applicability of biodiversity data to identify priority conservation areas.

Conservation of Biodiversity - Merging Biological, Ethical and Economic Theory, Vancouver, November 1997 (Centre for Biodiversity Research, University of British Columbia). **Invited presentation:** Identifying priority conservation areas: progress and challenges in science and policy.

Spatial Modelling Workshop, Brisbane, November 1997 (University of Queensland, Centre for Conservation, Department of Zoology). **Invited presentation:** Priorities for conservation action - resolving choices in space and time.

Alternative methods for formulating a CAR reserve system with special reference to the Southern Mallee region of New South Wales, November 1997 (NSW National Parks and Wildlife Service and Department of Land and Water Conservation). **Invited** to describe techniques for reserve selection and design in eastern New South Wales and their applicability to western regions.

Ecological Society of Australia - Conference and Open Forum, Albury, October 1997 (Ecological Society of Australia). **Invited presentation:** The grand challenge of conservation planning - early steps on the road from algorithms to a biocentric society.

University of Cape Town, Institute for Plant Conservation, Cape Town, August 1997. **Invited** for seminars, discussions with post-graduate students, and assistance in designing a project on conservation planning in a large bioregion.



Seventh Annual GAP Analysis Principal Investigators' Meeting, Reston, Virginia, August 1997 (US National GAP Analysis Program). **Invited plenary presentation:** Priority conservation areas - practice, principles and policy.

Working Group on Designing and Assessing the Viability of Nature Reserve Systems at Regional Scales - Integration of Optimization, Heuristic and Dynamic Models, Santa Barbara, California, July 1997 (National Center for Ecological Analysis and Synthesis). **Invited** to contribute to collaborative projects in conservation planning.

Software for Comprehensive Regional Assessments for Forests - Demonstration Day, Canberra, June 1997 (Department of Prime Minister and Cabinet Forests Task Force). **Invited presentation** on the C-Plan conservation planning system.

Biodiversity Assessment - Workshop on Methodological Concepts and Practice, Hamilton, New Zealand, May 1997 (Landcare Research, New Zealand). **Invited presentation:** Ideas and analyses for planning and implementing regional systems of conservation areas.

Bioregional Planning and Management Workshop, Armidale, April 1997 (University of New England Institute for Bioregional Resource Management). **Invited presentation:** Perspectives on bioregional approaches to integrated on-reserve and off-reserve conservation.

The Nature Conservancy (USA), Washington DC, February 1997. **Invited** to review the Nature Conservancy's approaches to regional conservation planning.

National Centre for Ecological Analysis and Synthesis, Santa Barbara, February 1997. **Invited** to collaborate with US research groups working on land allocation problems.

Recent Developments in Biodiversity Assessment, Sydney, November 1996 (Macquarie University Centre for Biodiversity and Bioresources). **Invited presentation:** Key principles and new ways for using landscapes and vegetation communities in conservation planning.

Integrated planning and management for agriculture and nature conservation at local, catchment and regional scales, Perth, September 1996 (CSIRO Division of Wildlife and Ecology). **Invited** to discuss the design and implementation of a research project in the wheatbelt of Western Australia.

Ecological Society of Australia, Open Forum and Symposium Conference, Townsville, July 1996 (Ecological Society of Australia). **Contributed presentation:** Politics, algorithms and timber - using research on reserve selection to influence the distribution of logging in eastern New South Wales.

*Zoological Society of Southern Africa Symposium, Pretoria, July 1996 (University of Pretoria).* **Contributed presentation:** *Reserve design in the eastern Cape - a landscape and species approach, by D.I. Loubser, R.L. Pressey, A.T. Lombard and M. Barry.*

Technical Meeting to Develop Consistent National Selection Criteria for a Representative System of Marine Protected Areas, Adelaide, April 1996 (Australian Nature Conservation Agency). **Invited presentation:** Some current ideas and applications in the selection of terrestrial protected areas: are there any lessons for the marine environment?

Scientific Workshop on Criteria for the Establishment of a System of Representative Protected Areas in the Great Barrier Reef Marine Park, Townsville, April 1996 (Great Barrier Reef Marine Park Authority). **Invited presentation:** Lessons from the land - reserve selection and design.

*Conference on Conservation Outside Nature Reserves, February 1996. (University of Queensland)* **Contributed presentation:** *Inside looking out: findings of research on reserve selection relevant to "off-reserve" nature conservation, by B. Pressey and V. Logan.*

International Seminar and Workshop on Selection and Delimitation of Parks and Protected Areas, January 1996 (University of New England Centre for Water Policy Research). **Invited presentation:** Reserves, conservation priorities, and bioregional planning: putting the right protection measures in the right places.

Horizons of Science National Forum for the Media - Death by a Thousand Cuts: Australia's Ecological Future, November 1995 (University of Technology, Sydney, Centre for Science Communication). **Invited presentation:** Crown jewels or leftovers? - measuring the adequacy of a national system of protected areas.

Conference on Approaches to Bioregional Planning, Melbourne, October-November 1995 (Department of Environment Sport and Territories). **Invited presentation:** Bioregional planning for the conservation of biodiversity - putting theory into practice. **Invited** to organise a workshop on 'Information for bioregional planning'.

Riverine Environment Research Forum, Melbourne, October 1995 (Murray-Darling Basin Commission). **Invited presentation:** Conservation of rare species and ecosystems in the Murray-Darling Basin: development of an improved procedure.

Special Seminar on Future Conservation of New South Wales' Outback, Sydney, September 1995 (World Wide Fund for Nature / National Parks Association of New South Wales). **Invited presentation:** A future for our western lands?

The Natural History Museum (London) - International Working Group on Biodiversity Reserve Selection Methods, July-August 1995. **Invited** to collaborate on writing papers and book chapters.

Workshop on Geographic Scale in Society and the Environment, Macquarie University, Sydney, December 1994 (Department of Geography, University of Sydney, and School of Earth Sciences, Macquarie University). **Invited presentation:** The influence of map scale on conservation planning: what do maps tell us about biodiversity?

International Conference on Temperate Forest Biodiversity, Canberra, December 1994 (Australian National University Centre for Resource and Environmental Studies). **Invited presentation:** How well protected is the biodiversity of north-eastern New South Wales? - analyses of environments in relation to tenure, formal protection measures, and vulnerability to disturbance.

Ecological Society of Australia, Open Forum and Symposium Conference, Alice Springs, September 1994 (Ecological Society of Australia). **Contributed presentation:** From principles to policy in conservation planning: how do we convert research into effective action?

*Pacific Coast Resource Modelling Conference, University of California, San Diego, July 1994 (Resource Modeling Association).* **Contributed presentation:** *The mathematics of designing a reserve system for nature conservation, by H.P. Possingham, I. Ball, J. Day, M. Goldfinch, A. Smith and R. Pressey.*

Nature Conservation - the Role of Networks, Geraldton, Western Australia, May 1994 (CSIRO Division of Wildlife and Ecology). **Contributed presentation:** Planning for negotiation - using irreplaceability and design criteria to explore alternative protected area networks.

Workshop on Endangered Ecological Communities, Canberra, April 1994 (Australian Nature Conservation Agency). **Invited** to contribute to a discussion paper on criteria for endangered communities.

Australian and New Zealand Environment and Conservation Council's Marine Biogeographic Regionalisation Workshop, Sydney, March 1994 (Department of Environment, Sport and Territories). **Invited** for workshop sessions on derivation of regionalisations and their use in establishing marine protected areas.

Australian Map Circle 1994 Conference, Macquarie University, Sydney, January-February 1994. **Invited presentation:** Types, limitations and uses of geographic data in conservation planning: examples from New South Wales.

Wissenschaftskolleg zu Berlin (Institute for Advanced Study Berlin) - International Working Group on Biodiversity Reserve Selection Methods, academic year 1993/94. **Invited** as a resident scholar in October 1993 and June-July 1994.

Ecological Society of Australia Open Forum and Symposium Conference, Australian National University, Canberra, September-October 1993 (Ecological Society of Australia). **Two contributed presentations:** (1) The influence of map scale on assessments of reserve coverage and requirements: implications for conserving biodiversity; (2) Effectiveness of alternative heuristic algorithms for identifying indicative minimum requirements for conservation reserves.

Conserving Biodiversity - Threats and Solutions, University of Sydney, June-July 1993 (New South Wales National Parks and Wildlife Service). **Invited presentation:** Towards a representative system of conservation reserves - barriers and opportunities.

Forest Reserves Issues: Specialists' Technical Seminar, Canberra, March 1993 (Department of the Arts, Sport, the Environment and Territories). **Invited** for discussion on approaches to developing a representative reserve system in forests.

House of Representatives Standing Committee on Environment, Recreation and the Arts - Workshop on Establishing a National System of Ecologically Representative Protected Areas, Canberra, October 1992 (House of Representatives Standing Committee). **Invited presentation:** Principles for selection of protected areas.

Ecological Society of Australia Open Forum, Roseworthy, South Australia, September-October 1992 (Ecological Society of Australia). **Contributed presentation:** Forward conservation planning: anticipating the contribution of individual sites to representative reserve systems.

IV International Wetlands Conference, Columbus, Ohio, September 1992 (INTECOL). **Invited presentation:** Review and appraisal of wetland inventory and classification in Australia. **Contributed presentation:** New Australian approaches to conservation evaluation for wetlands and other habitats.

Beyond Hotspots: Assessing New Approaches to Setting Priorities for the Conservation of Biodiversity, London, May 1992 (International Union for the Conservation of Nature and Natural Resources). **Invited** for discussion of future approaches in conservation planning.

Symposium on Systematics and Conservation Evaluation, London, June 1992 (The Natural History Museum). **Invited presentation:** New procedures for reserve selection in New South Wales: maximising the chances of achieving a representative network.

National Technical Workshop on Environmental Regionalisation - Establishing a Systematic Basis for National and Regional Conservation Assessment and Planning, Canberra, May 1992 (Australian National Parks and Wildlife Service). **Invited presentation:** Using land classifications in conservation planning: the importance of efficiency and flexibility.

Environmine Australia, Sydney, March 1992 (Australasian Institute of Mining and Metallurgy and the Zoological Parks Board of New South Wales). **Invited** as rapporteur for session on the Arid Zone: Management of a Fragile Environment.

IV<sup>th</sup> World Congress on National Parks and Protected Areas, Caracas, Venezuela, February 1992 (International Union for the Conservation of Nature and Natural Resources). **Invited presentation:** Some new ideas for reserve selection in New South Wales, Australia.

Conference on Conservation Biology in Australia and Oceania, Brisbane, October 1991 (University of Queensland and Queensland National Parks and Wildlife Service). **Contributed presentation:** Recent developments in reserve selection procedures and their implications for conservation planners.

Technical Workshop on Wetland Inventory - Towards a Unified Approach, Canberra, August 1991 (Australian National Parks and Wildlife Service and Bureau of Rural Resources). **Invited presentation:** Wetland classification: purposes and problems.

Conference and Workshop on the Status and Conservation of Birds and their Habitats in Queensland, Brisbane, July 1991 (Queensland Ornithological Society). **Invited presentation:** The good news and the bad news for conservation planning: procedures for reserve selection are improving but we still don't know enough about birds and other fauna.

Symposium on the Future of Native Fauna in Western New South Wales, Sydney, March 1991 (Royal Zoological Society of New South Wales). **Invited presentation:** Land classifications are necessary for conservation planning but what do they tell us about fauna?

Wetlands Conservation and Management Workshop, Newcastle, February 1991 (Australian National Parks and Wildlife Service, University of Newcastle, Shortland Wetland Centre). **Invited presentation:** Inventory and classification of wetlands: what for and how effective?

Third Fenner Conference: Conservation in Management of the River Murray System - Making Conservation Count, Canberra, September 1989 (Australian Academy of Science). **Invited presentation:** Towards a representative reserve system: is opportunism enough?

National Mallee Conference, Adelaide, April 1989 (CSIRO). **Invited presentation:** Reserve selection in mallee lands.

Workshop on Cost Effective Survey Methods for Nature Conservation, Sydney, March 1988 (CSIRO). **Three invited presentations:** (1) Scale of survey units in relation to value for conservation and costs; (2) Reserve selection in the Western Division of New South Wales - development of a procedure based on land system mapping; (3) Approaches to reserve selection in Australia.

Symposium on Regulation of the River Murray - Research and Management, Albury, May 1987 (Australian Society for Limnology). **Invited presentation:** Wetlands of the River Murray - problems and potential for water management.

Specialist Workshop on Instream Needs and Water Uses, Sydney, September 1986 (New South Wales Water Resources Commission). **Two invited presentations:** (1) Systematic approaches to assessing biological conservation values of wetlands; (2) Wetland evaluation - a review of approaches and relevance to water management.

Symposium on Wetlands: Their Conservation and Management, Batemans Bay, September 1986 (Total Environment Centre). **Invited presentation:** Values and types of wetlands.

International Symposium on Wetlands, Newcastle, June 1986 (Hunter Wetlands Trust and University of Newcastle). **Contributed presentation:** Wetlands of the River Murray - distribution, classification and management.

Workshop on Australian Wetlands, Sydney, February 1986 (World Wildlife Fund Australia). **Invited presentation:** Wetlands of New South Wales.

Seminars on NSW Wetlands and Canal Estate Developments, Sydney, July 1984 (Australian Marine Sciences Association). **Invited presentation:** Towards a ranking system for the protection of estuarine wetlands in New South Wales.

Symposium on Waterbirds and Wetlands, Geelong, May 1984 (Royal Australasian Ornithologists Union). **Invited presentation:** Approaches to evaluating wetlands for conservation.

Workshop on Survey Methods for Nature Conservation, Adelaide, September 1983 (CSIRO). **Contributed presentation:** A method for description and evaluation of coastal floodplain wetlands.

North Coast Wetlands Conference, Yarrahappinni, April 1983 (North Coast Environment Council and National Parks Association). **Invited presentation:** Coastal floodplain wetlands in New South Wales - perspectives, problems and prospects.

## SEMINARS

*(Italicised entries indicate authorship but not present at the meeting)*

September 2015: Making parks make a difference: poor alignment of planning, management, and policy with protected-area impact, and ways forward (James Cook University, Cairns)

September 2015: Making parks make a difference: poor alignment of planning, management, and policy with protected-area impact, and ways forward (Great Barrier Reef Marine Park Authority, Townsville)

August 2015: Making parks make a difference: poor alignment of planning, management, and policy with protected-area impact, and ways forward (Federal University of Goiás, Goiânia, Brazil)

July 2015: Making parks make a difference (Australian Research Council Centre of Excellence for Coral Reef Studies, James Cook University, Townsville)

May 2015: Understanding cumulative impacts with scenario modelling (Great Barrier Reef Marine Park Authority, Townsville)

May 2015: Optimising management actions on Great Barrier Reef islands (Queensland Parks and Wildlife Great Barrier Reef Operations Meeting, Townsville)

March 2015: Update on project to prioritise management actions on Western Australian islands (Department of Parks and Wildlife, Perth)

February 2015: Update on project to prioritise management actions on Great Barrier Reef islands (Queensland Parks and Wildlife Great Barrier Reef Operations Meeting, Townsville)

October 2014: Prioritising management actions on Great Barrier Reef islands (Queensland Parks and Wildlife Great Barrier Reef Operations Meeting, Townsville)

May 2014: Projects by JCU's research group on conservation planning, and potential links to NRM (Queensland NRM Planners' Network, Cairns)

March 2013: Systematic conservation planning: evolution towards social relevance (Ashoka Trust for Research in Ecology and the Environment, regional office, Darjeeling)

March 2013: Systematic conservation planning: evolution towards social relevance (Ashoka Trust for Research in Ecology and the Environment, Bangalore)

March 2013: Conservation planning: why and how? (Andaman and Nicobar Islands Environment Team, Port Blair)

March 2013: Conservation planning in a changing world, full of people (Centre for Ecological Sciences, Indian Institute of Science, Bangalore)

January 2013: Some challenges for MPA design in the Philippines and for the Coral Triangle Initiative (National CTI Coordinating Committee, Manila)

January 2013: Some challenges for MPA design in the Philippines and for the Coral Triangle Initiative (Marine Science Institute, University of the Philippines, Manila)

January 2013: Some challenges for MPA design in the Philippines and for the Coral Triangle Initiative (Silliman University, Dumaguete)

December 2012: The mismeasure of conservation (University College London, Centre for Biodiversity and Environmental Research)

December 2012: The mismeasure of conservation (University of Kent, Durrell Institute of Conservation and Ecology)

December 2012: The mismeasure of conservation (World Conservation Monitoring Centre, Cambridge)

August 2012: Some partly thought out ideas on engagement for conservation (James Cook University)

February 2012: Marine coastal spatial planning: linking regional-scale conservation design to local-scale actions (Hasanuddin University, Research Center for Marine, Coasts and Small Islands, Makassar, Indonesia)

*May 2011: Integrando prioridades de conservación marina y terrestre en el Golfo de California, by J.G. Álvarez-Romero, R.L. Pressey, N. Ban, J. Brodie and J. Kool. (Comisión Nacional para el Conocimiento y Uso de la Biodiversidad (CONABIO), México, D.F.)*

May 2011: Integrated land-sea planning for conservation: from theory to implementation (Hatfield Marine Science Centre, Portland, Oregon).

May 2011: Integrated land-sea planning for conservation: from theory to implementation (Oregon State University).

February 2011: Coral reef planning – biodiversity and fisheries in the Coral Triangle (Australian Ambassador’s Speaker Series, Washington DC).

February 2011: Towards effective marine protected areas in the Coral Triangle: the imperative of linking regional-scale design and local-scale action (National Oceanic and Atmospheric Administration, Washington DC).

February 2011: Adaptive conservation planning – managing the dynamic transition from regional-scale design to local-scale action (WWF-US, Washington DC).

September 2010: The mismeasure of conservation – towards better reporting on protected areas (Queensland Department of Environment and Resource Management)

May 2010: The plan of the day – managing the dynamic transition from regional-scale conservation design to local-scale conservation action (University of Rome)

March 2010: Bridging the gap between regional-scale conservation design and local-scale conservation actions (Department of Environment, Water, Heritage and the Arts, Canberra)

February 2010: The plan of the day – managing the dynamic transition from regional-scale conservation design to local-scale conservation action (IUCN, the World Conservation Union, Suva)

December 2009: Applications of systematic conservation planning to real problems at regional and local scales (Far North Queensland Regional Organisation of Councils, Regional Landscape Repair and Resilience Working Group, Cairns)

August 2009: The mismeasure of conservation: how do we assess the real contribution of our decisions to the protection of nature? National Parks Association of Queensland Romeo Lahey Memorial Lecture (Mount Coot-tha Botanic Gardens, Brisbane)

March 2009: The mismeasure of conservation: how much difference do we really make? (James Cook University, Townsville)

July 2008: Conservation planning in a changing world: making spatial decisions to deal with natural and anthropogenic dynamics (CSIRO, Townsville)

June 2008: Estimating the cost of expanding a system of protected areas (Environmental Protection Agency, Brisbane)

May 2008: Some future directions in systematic conservation planning (CSIRO Cleveland Marine Laboratory, Brisbane)

April 2008: Towards a strategic conservation plan for the Avon NRM region (Avon Natural Resource Management Board, Perth)

March 2008: Systematic conservation planning in Australia (University of California, Davis)

March 2008: Making spatial decisions to plan for dynamics: how good are we? (Imperial College London, Silwood Park)

February 2008: Early directions for the new conservation planning research program at JCU, Townsville (CSIRO & James Cook University, Cairns)

December 2007: Systematic conservation planning (WWF Malaysia, Kota Kinabalu)

October 2007: Conservation planning in a changing world (James Cook University)

October 2007: Conservation planning in a changing world (Griffith University)

May 2007: Conservation planning in a changing world (Middle East Technical University, Ankara)

May 2007: Unresolved issues in systematic conservation planning and possible early directions for the new conservation program at James Cook University (Great Barrier Reef Marine Park Authority)

January 2007: Science and politics in conservation planning (University of Virginia)

January 2007: Thomas Jefferson Foundation Professor Lecture: Conservation planning in a changing world (University of Virginia)



September 2006: Systematic conservation planning – some achievements and remaining challenges (University of Western Australia)

March 2006: Conservation planning with land use dynamics: some progress and unresolved issues (University of Guelph, Ontario)

September 2005: Systematic conservation planning – some achievements and unresolved problems (University of Canberra)

September 2005: Some frontiers of systematic conservation planning (Conservation International, Washington DC)

September 2005: Systematic conservation planning: achievement, limitations, and messages for practitioners (University of Virginia, Charlottesville)

July 2005: Frontiers of conservation planning (World Wildlife Fund – Brazil, Brasilia)

March 2005: Targets, values and priorities: progress and potential in conservation planning (Finnish Environment Institute, Helsinki)

March 2005: Targets, values and priorities: progress and potential in conservation planning (University of Helsinki, Helsinki)

December 2004: Targets, values and priorities: some recent developments in systematic conservation planning (University of Sao Paulo, Sao Paulo)

December 2004: Targets, values and priorities: some recent developments in systematic conservation planning (World Wildlife Fund, Brazil, Brasilia)

November 2004: Targets, values and priorities: some recent developments in systematic conservation planning (INPA - Instituto Nacional de Pesquisas da Amazônia, Manaus)

November 2004: Developing a conservation plan for the várzea floodplains of the Amazon Basin (University of California, Santa Barbara)

May 2004: Systematic conservation planning 20 years on: a summary of progress and immediate challenges (University of Queensland, Brisbane)

August 2003: Conservation planning in the Cape Floristic Region, South Africa: overview, lessons, and future directions (National Parks and Wildlife Service, Coffs Harbour)

June 2003: Is maximizing protection the same as minimizing loss? - efficiency and retention as alternative measures of the effectiveness of proposed reserves (National Center for Ecological Analysis and Synthesis, Santa Barbara)

June 2003: Using irreplaceability analysis in conservation planning: progress and issues still to be resolved (Museu Paraense Emilio Goeldi, Belem, Brazil)

October 2002: Priority conservation areas: some issues to address in moving from planning to implementation (University of California, Berkeley)

July 2002: Towards a generic framework for conservation planning (World Conservation Monitoring Centre, Cambridge, England)

August 2001: The Service's Systematic Conservation Planning Group – organisational context, areas of R&D, and current activities relevant to nature conservation in New South Wales (New South Wales National Parks and Wildlife Service, Griffith)

October 2000: Systematic conservation planning – where is it all going? (University of Melbourne, Departments of Botany and Zoology)

October 1999: Potential applications of decision-support software in developing and monitoring Regional Vegetation Management Plans (Tenterfield Regional Vegetation Committee, Tenterfield)

March 1999: Application of the C-Plan conservation planning system in eastern New South Wales, and potential applications in the west of the State (New South Wales National Parks and Wildlife Service, Western Zone, Dubbo)

September 1998: Methods for setting and negotiating conservation priorities in New South Wales: applicable in South Africa? (Department of Botany, University of Cape Town)

September 1998: Methods for setting and negotiating conservation priorities in New South Wales (Cape Nature Conservation, Stellenbosch, South Africa)

September 1998: Techniques for conservation planning that involve stakeholders and encourage community participation (West Coast Biosphere Reserve Management Committee, Cape Town, South Africa)

May 1998: Data layers and proposed analyses for the state-wide review of the protected area system (New South Wales National Parks and Wildlife Service, Sydney)

March 1998: Potential for establishing marine protected areas with concepts developed for terrestrial reserves (New South Wales National Parks and Wildlife Service, Sydney)

February 1998: Planning for nature conservation (Northern Tablelands Vegetation Committee, Glen Innes)

November 1997: Wrestling with conservation priority - progress in tying down a (dangerously) vague notion (Departments of Botany and Zoology and Centre for Biodiversity, University of British Columbia, Vancouver)

September 1997: The use of the C-Plan conservation planning software in the Eden Regional Forest Agreement (Eden Management Area Regional Forest Forum, Merimbula)

August 1997: Identifying priority conservation areas - practice, pretension, principles, policy and progress ... an Australian saga (University of Cape Town, Fitzpatrick Institute for African Ornithology)

July 1997: Demonstration of the C-Plan conservation planning system for Comprehensive Regional Assessments in New South Wales (New South Wales Resource and Conservation Assessment Council, Sydney)

July 1997: Identifying strategic conservation priorities at regional and local scales (New South Wales National Parks and Wildlife Service, Sydney Zone, Sydney)

May 1997: Identifying priority areas for conservation - how do we know whether current criteria serve as signposts or diversions? (New South Wales National Parks and Wildlife Service, Sydney)

February 1997: Using biological data to identify priority areas for conservation: ideas and results from New South Wales (The Smithsonian Institution, Washington DC, USA)

February 1997: Algorithms, politics and money: research on conservation planning and the realities of land allocation in New South Wales (The Nature Conservancy, National Office, Arlington, Virginia, USA)

February 1997: Priority conservation areas - towards an operational definition (National Center for Ecological Analysis and Synthesis, Santa Barbara, California, USA)

February 1997: Research on conservation planning and the realities of land allocation in New South Wales (University of California, Department of Geography, Santa Barbara, California, USA)

November 1996: Politics, algorithms and timber: research on reserve selection and the State Forest Policy (New South Wales National Parks and Wildlife Service, Sydney)

May 1996: From reserve selection algorithms to new reserves on the ground: implementation of the State Forest Policy (Macquarie University Centre for Biodiversity and Bioresources, Sydney)

February 1996: Reserve selection - science, politics and the State Forest Policy (University of New England Department of Ecosystem Management, Armidale)

February 1996: Demonstration of the role of an interactive GIS in negotiations for the State Forest Policy (New South Wales Resource and Conservation Assessment Council, Sydney)

February 1996: Using the concept of irreplaceability in implementing the State Forest Policy (New South Wales Resource and Conservation Assessment Council, Sydney)

November 1995: Crown jewels or leftovers? - choosing conservation reserves in a fragmented landscape (National Parks Association of New South Wales, Northern Tablelands Branch, Armidale)

October 1995: Requirements for a representative reserve system: a case study in the Western Division of New South Wales (University of New South Wales, School of Geography, Sydney)

May 1995: How do we measure the adequacy of a system of protected areas and how do we make more effective decisions on the locations of new protected areas? (Southern Cross University, Lismore)

February 1995: The New South Wales reserve system: tactical successes, strategic disaster (New South Wales National Parks and Wildlife Service, Sydney)

February 1995: Conservation reserves in New South Wales: crown jewels of nature conservation or leftovers from other land uses? (World Wide Fund for Nature, Sydney)

October 1994: Progress with research on conservation planning techniques for western New South Wales (New South Wales Department of Conservation and Land Management, Dubbo)

September 1994: Where should nature reserves be? - the gaps between principles and practice (University of New England Department of Botany, Armidale)

September 1993: How should we decide where to put conservation reserves? (Macquarie University School of Biological Sciences, Sydney)

August 1993: New systematic approaches to conservation planning: what we could do if the world were logical (University of New England Department of Ecosystem Management, Armidale)

February 1993: From ad hoc to irreplaceability: the theory and practice of reserve selection in 1993 (New South Wales National Parks and Wildlife Service, Sydney)

September 1992: Reserve selection approaches in New South Wales, Australia (United States Environmental Protection Agency, Environmental Research Laboratory, Corvallis, Oregon, USA)

August 1992: Strategies for the selection of nature reserves (University of Sydney School of Biological Sciences, Sydney)

May 1992: Where should reserves be and how many do we need? (National Parks Association of New South Wales 1992 lecture series - Conservation Futures for New South Wales, Sydney)

April 1992: Systematic approaches to reserve selection - how much do we know? (University of New South Wales School of Biological Science, Sydney)

March 1992: New developments with reserve selection procedures (Murray-Darling Basin Commission, Canberra)

November 1991: Progress with research on reserve selection in western New South Wales (Australian Museum, Sydney)

November 1991: Guidelines for the selection of new reserves in the Western Division of New South Wales (New South Wales National Parks Association Reserves Committee, Sydney)

October 1991: The development of data bases and systematic procedures for reserve selection in the Western Division of New South Wales (New South Wales Nature Conservation Council Annual Meeting, Sydney)

October 1991: Prospects for systematic conservation planning in the mallee region. (Murray Darling Basin Commission Mallee Vegetation Working Group, Sydney)

September 1991: Research on conservation planning: where are we and where do we go? (New South Wales National Parks and Wildlife Service, Regional and District Managers Conference, Sydney)

May 1991: Development of systematic reserve selection procedures: progress and problems (New South Wales Fisheries Research Institute, Sydney)

April 1991: Proposed research project on the requirements of a fully representative reserve system in western New South Wales: progress and future objectives. (University of New South Wales, School of Geography, Sydney)

March 1991: Why the National Parks and Wildlife Service needs research on reserve selection (New South Wales National Parks and Wildlife Service, Western Region OIC's Meeting, Dubbo)

February 1990: Map units for conserving species and natural environments (Australian Institute of Marine Science, Townsville)

January 1990: Using map units as a basis for conserving species as well as environments (James Cook University, Townsville)

January 1990: Developing a reserve system which is representative of natural environments and species (Queensland Department of Environment and Conservation, Townsville)

August 1989: Progress towards a nature conservation strategy for the Western Division of New South Wales (Australian National Parks and Wildlife Service, Canberra)

May 1989: Two issues for conservation planning: (1) Mapping the environment at different scales - costs and benefits for nature conservation; (2) Conservation of Australian mallee (New South Wales National Parks and Wildlife Service, Sydney)

May 1989: Progress towards a conservation strategy for the Western Division (New South Wales National Parks and Wildlife Service Advisory Council, Sydney)

November 1988: New approaches to a conservation strategy (New South Wales National Parks and Wildlife Service Northern Region OIC's Meeting, Grafton)

November 1988: A systematic approach to the selection of reserves in the Western Division of New South Wales (CSIRO Division of Wildlife and Ecology, Canberra)

June 1988: New approaches to wetland evaluation (Hunter Wetlands Trust, Newcastle)

May 1988: Towards a conservation strategy for the Western Division (New South Wales Western Lands Commission, Sydney)

March 1988: Selecting reserves in western New South Wales (University of Sydney, School of Biological Sciences, Sydney)

February 1988: Reserve selection: towards a conservation strategy for the Western Division (New South Wales National Parks and Wildlife Service, Sydney)

December 1987: A nature conservation strategy for the Western Division of New South Wales (New South Wales National Parks and Wildlife Service Executive Management Group, Sydney)

March 1987: Developing a reserve selection process for western New South Wales (New South Wales National Parks and Wildlife Service, Sydney)

## TEACHING, TRAINING & MENTORING

### Undergraduate teaching in conservation science

James Cook University: Annual guest lectures to third-year students in conservation science.

Macquarie University: Fifteen annual presentations to about 40 third-year students, including guest lectures and three-hour tutorials involving role playing in negotiation with interactive conservation planning software.

University of Newcastle: Two guest lectures to about 30 third-year students each lecture.

University of New England: Ten half-yearly guest lectures to about 30 mature-age external students each lecture.

University of New South Wales: Two guest lectures to about 30 third-year students each lecture.

University of Sydney: Ten annual guest lectures to about 25 third-year students each lecture and marking student projects.

University of Western Sydney: Four annual guest lectures to about 30 third-year students each lecture.

University of Wollongong: Four annual guest lectures to about 30 third-year students each lecture.

### Research supervision

Danielle Asson-Batzel, James Cook University (principal advisor)  
Multi-scale patterns of benthic species composition in the Great Barrier Reef region, and implications for spatial management.  
Start: February 2016. End: August 2019.

Edmond Sacre, James Cook University, PhD (principal supervisor)  
Improving the effectiveness of marine protected areas for the persistence of biodiversity.  
Start: February 2016. End: February 2019.

Jessica Cheok, James Cook University, PhD (principal supervisor)  
Spatial prioritisations for marine conservation – issues of resolution.  
Start: February 2016. End: February 2019.

Jeremy Horowitz, James Cook University, MAppSc (principal advisor)  
Improved strategies for marine conservation in the Danajon Bank, Philippines.  
Start: December 2015. End: December 2016.

Jessica Cramp, James Cook University, PhD (principal advisor)  
Evaluating the effectiveness of marine sanctuaries for wide-ranging animals: a case study of the Cook Islands Shark Sanctuary.  
Start: March 2015. End: February 2019.

Kerrie Ann Fraser, University of Queensland, PhD (co-supervisor)  
Australia's marine protected areas - evaluating the impacts and effectiveness of conservation policy and management intervention on marine species and habitats.

Start: June 2014. End: May 2017.

Jon Day, James Cook University, PhD (principal supervisor)

Some key components of the representative areas program in the Great Barrier Reef and the implications for marine spatial planning elsewhere.

Start: July 2013. End: June 2016.

Jessica Cheok, James Cook University, MSc (co-supervisor)

Spatial prioritisations for marine conservation – issues of resolution.

Start: April 2013. End: March 2015.

Heather Welch, James Cook University, MAppSc (principal supervisor)

Implications for spatial management of dynamics of chlorophyll a in the Coral Sea.

Start: January 2013. End: December 2013.

Judi Lowe, James Cook University, PhD (principal supervisor)

Dive tourism, alternate livelihoods and the management of marine protected areas in the Coral Triangle.

Start: January 2013. End: December 2015.

Adriana Chacón, James Cook University, MSc (co-supervisor)

Valuation of the economic and social impact of marine protected areas: a case study of Costa Rica.

Start: January 2013. End: December 2015.

Melissa Bos, James Cook University, PhD (principal supervisor)

Marine conservation finance.

Start: May 2012. End: April 2015.

Maha Khalil, King Abdullah University of Science and Technology, PhD (co-supervisor)

Designing marine protected area networks in the central Saudi Arabian Red Sea.

Start: February 2012. End: February 2015.

Adrian Arias Rodriguez, James Cook University, PhD (principal supervisor)

Marine spatial planning in Costa Rica: overcoming obstacles.

Start: February 2012. End: January 2016.

Rafael Almeida Magris, James Cook University, PhD (principal supervisor)

Advancing conservation planning for persistence: design of a long-term conservation strategy for Brazilian coral reefs.

Start: November 2011. End: October 2015.

Mélanie Hamel, James Cook University, PhD (principal supervisor)

Costs, effectiveness, and cost-effectiveness of habitat-driven conservation planning for Papua New Guinea lagoons and reefs.

Start: August 2011. End: July 2015.

Georgina Gurney, James Cook University, PhD (principal supervisor)

Improving the success of marine protected areas: integrating socio-economic factors into conservation planning.

Start: March 2011. End: March 2015.

Vera Horigue, James Cook University, PhD (principal supervisor)

Scaling up to form marine protected area networks: the role of coordination and institutional collaborations in the Philippines.

Start: April 2010. End: October 2014.

Casper van de Geer, James Cook University, MAppSc (principal supervisor)

Impacts of the Moreton Bay Marine Park rezoning on commercial fishermen.

Start: January 2010. End: November 2011.

Anderson de Sevilha, James Cook University, PhD (co-supervisor)

Systematic conservation planning for the Paranã River Basin, Brazil, under climate change.

Start: October 2009. End: February 2016.

Stephen Ban, James Cook University, PhD (principal supervisor)

Resilience and spatial responses of coral reef ecosystems to climate change and associated stressors.

Start: July 2009. End: July 2014.

Christina Hicks, James Cook University, PhD (co-supervisor)

Understanding the flow of coral reef ecosystem goods and services in a changing climate.

Start: January 2009. End: September 2013.

Tom Brewer, James Cook University, PhD (co-supervisor)

Understanding the interactions between social and ecological systems to improve human welfare.

Start: September 2008. End: September 2013.

Madeleine Bottrill, University of Queensland, PhD (co-supervisor)

Evaluating the effectiveness of conservation planning: when do plans work?

Start: July 2008. End: March 2012.

Lissa Barr, University of Queensland, PhD (co-supervisor)

Applying novel tools to emphasise quality over quantity in protected areas.

Start: July 2008. End: June 2011.

Piero Visconti, James Cook University, PhD (principal supervisor)

Conservation planning for persistence: unifying biodiversity pattern and processes in area selection strategies.

Start: May 2008. End: November 2011.

Vanessa Adams, James Cook University, PhD (principal supervisor)

Incorporating macroeconomic costs into conservation planning.

Start: March 2008. End: December 2011.

Morena Mills, James Cook University, PhD (principal supervisor)

Marine conservation planning in developing countries.

Start: March 2008. End: December 2011.

Stephanie Januchowski, James Cook University, PhD (principal supervisor)

Data and conservation planning for streams in the Australian Wet Tropics.

Start: January 2008. End: September 2011.

Jorge Álvarez Romero, James Cook University, PhD (principal supervisor)



Systematic conservation planning for the Gulf of California: an integrated coastal management approach.

Start: January 2008. End: October 2012.

Rocio Ponce-Reyes, University of Queensland, PhD (co-supervisor)

Assessing conservation priorities of Mexican tropical montane cloud forest fragments using microendemic species.

Start: January 2007. End: December 2011.

Hedley Grantham, University of Queensland, PhD (co-supervisor)

Testing environmental surrogates for conservation planning.

Start: January 2006. End: December 2008.

Reinaldo Lourival, University of Queensland, PhD (co-supervisor)

Conservation planning for the Pantanal wetland, Brazil.

Start: November 2004. End: March 2008.

Hedley Grantham, Macquarie University, MSc (co-supervisor)

Effectiveness of biodiversity surrogates for regional conservation planning.

Start: June 2003. End: February 2005.

Simon Linke, University of Canberra, PhD (co-supervisor)

New approaches to freshwater biodiversity conservation.

Start: March 2003. End: August 2006.

Emily Nicholson, University of Queensland, PhD (co-supervisor)

Planning for persistence: using risk of extinction in multispecies approaches to conservation planning.

Start: January 2003. End: October 2005.

Kerrie Wilson, University of Melbourne, PhD (co-supervisor)

Uncertainty and vulnerability in conservation planning.

Start: January 2000. End: October 2003.

### **Collaboration with postdoctoral researchers and analysts**

Amelia Wenger, James Cook University (GIS analyst)

Conservation of the Great Barrier Reef islands and coastal zone.

Start: August 2013. End: December 2014.

April Reside, James Cook University (postdoctoral fellow)

Conservation planning for climate change adaptation in the wet tropics.

Start: August 2013. End: July 2016.

Jana Brotánková, James Cook University (postdoctoral fellow)

Prioritization of management actions on Western Australian islands.

Start: August 2013. End: July 2016.

Stephen Hall, James Cook University (GIS analyst)

Prioritization of management actions on Western Australian islands.

Start: December 2012. End: December 2015.

Mirjam Maughan, James Cook University (GIS analyst)

Conservation of the Great Barrier Reef islands and coastal zone.  
Start: July 2012. End: June 2015.

Amélie Augé, James Cook University (postdoctoral fellow)  
Spatially explicit conservation scenarios for the Great Barrier Reef coastal zone.  
Start: June 2012. End: May 2015.

Jorge Álvarez Romero, James Cook University (postdoctoral fellow)  
Multi-objective catchment planning in northern Australia.  
Start: June 2012. End: May 2015.

Rebecca Weeks, James Cook University (postdoctoral fellow)  
Marine spatial planning in the Coral Triangle.  
Start: March 2012. End: February 2015.

Vanessa Adams, Charles Darwin University (postdoctoral fellow)  
Multi-objective catchment planning in northern Australia.  
Start: October 2011. End: September 2014.

Ian Craigie, James Cook University (postdoctoral fellow)  
Modelling management costs of conservation reserves in Queensland.  
Start: March 2011. End: February 2014.

Mariana Fuentes, James Cook University (postdoctoral fellow)  
Systematic priorities for multiple management actions in the northern Great Barrier Reef and Torres Strait to increase the resilience of marine mega-fauna to climate change.  
Start: August 2010. End: July 2013.

Alana Grech, James Cook University (postdoctoral fellow)  
Innovative systematic conservation planning for Indigenous Land and Sea Country: Torres Strait as a case study.  
Start: April 2010. End: March 2013.

Johnathan Kool, James Cook University (postdoctoral fellow)  
New approaches to analysing marine data sets for conservation planning; connectivity models for marine conservation planning.  
Start: December 2008. End: November 2011.

Natalie Ban, James Cook University (postdoctoral fellow)  
Marine conservation planning for dynamic processes.  
Start: November 2008. End: December 2012.

Debora de Freitas, James Cook University (postdoctoral fellow)  
GIS applications in terrestrial and marine conservation planning.  
Start: August 2008. End: July 2011.

Tatjana Good, James Cook University (postdoctoral fellow)  
Scale-dependence of conservation priorities at global, regional and local scales.  
Start: August 2008. End: September 2010.

Douglas Ward, University of Queensland (postdoctoral fellow)  
Integrating multiple conservation values for native vegetation.  
Start: January 2007. End: December 2009.

Simon Linke, University of Queensland (postdoctoral fellow)  
 Systematic conservation planning for streams.  
 Start: August 2006. End: December 2009.

Kerrie Wilson, University of Queensland (postdoctoral fellow)  
 Conservation planning in a dynamic and uncertain world.  
 Start: January 2004. End: December 2006.

### **Training courses and workshops**

Federal University of Goiás, Goiânia, Brazil, August 2015. Four-day short course on conservation planning for research students.

University of California Davis, March 2008. Student seminar and one-day workshop on conservation planning for the Graduate Group in Ecology seminar series on applied conservation.

Imperial College London, Silwood Park, March 2008. Half-day presentation and student discussion on conservation planning for the MSc in Conservation Science.

Society for Conservation Biology annual meeting, Port Elizabeth, South Africa, July 2007: four-day short course for 50 participants (professionals and students) on concepts, software and case studies in conservation planning in terrestrial, freshwater and marine environments.

University of Virginia, Charlottesville, January 2007: ten-day short course for 15 participants in theory and application of systematic conservation planning (professionals and students).

European Congress of Conservation Biology, Eger, Hungary, August 2006: one-day short course in the theory and application of conservation planning software for 60+ participants (professionals and students).

Society for Conservation Biology annual meeting, San Jose, USA, June 2006: one-day short course in the theory and application of conservation planning software for 40 participants (professionals and students).

University of Virginia, Virginia, USA, September 2005: two-day short course for 20+ participants in the theory and application of systematic conservation planning (professionals and students).

Society for Conservation Biology annual meeting, Brasilia, Brazil, July 2005: two-day short course in the theory and application of conservation planning software for 50+ participants (professionals and students).

Vth World Parks Congress, Durban, South Africa, September 2003: two-day short course in the theory and application of conservation planning software for 50+ participants (professionals and students).

Four training courses in the use of the C-Plan conservation planning software to non-government organisations and officers in the Australian and New South Wales public services, 1996 - 1999.

### **Supervision of staff**

During almost 19 years with the New South Wales National Parks and Wildlife Service (later part of the Office of Environment and Heritage), my staff included project officers, technical officers, programmers, and personal assistants. Maximum number of staff during this period was six. Typical staff number during this period was four. Supervision involved scientific coordination and training, organisation of logistics for projects, co-authorship of publications and conference presentations, administration of contracts and salaries, management of progression, and financial oversight of internal and external funds.

## EXTERNAL FUNDING

The table below lists only funding that was directed solely to my own research programs. I have been a named investigator on other successful grant applications, including:

- Extension of funding for the ARC Centre of Excellence for Integrated Coral Reef Studies (nominated chief investigator and program leader), from January 2014 to December 2020 (\$28,000,000)
- Natural Resource Management Climate Change Impacts and Adaptation (Department of Climate Change and Energy Efficiency): Knowledge to manage land and sea – a framework for the future, 2013-2016 (\$919,015)
- Extension of funding to the ARC Centre of Excellence for Coral Reef Studies (nominated chief investigator and program leader), from July 2010 to December 2013 (\$9,800,000)
- Australian Research Council Super Science Fellowships, Rounds 1 and 2, 2010-11: Resilience of coral reef ecosystems to climate change (\$1,392,000)
- Caring for our Country Business Plan 2009-2010 (Department of Environment, Water, Heritage and the Arts): A strategic regional plan in Australia's global biodiversity hotspot – phase two: on-ground implementation, 2010-11 (\$1,500,000)
- Government of Canada-International Research Linkages: Developing approaches to include social considerations in environmental conservation - ecosystem services and conservation planning, 2010 (\$11,000)
- Marine and Tropical Sciences Research Facility: Integrating and synthesising biodiversity and climate change vulnerability data collected in the Australian Wet Tropics rainforests, 2010 (\$100,000)
- Caring for our Country Open Grants (Department of Environment, Water, Heritage and the Arts): A strategic regional conservation plan for Australia's global biodiversity hotspot, 2008-09 (\$367,130)

National Environmental Science Program, Northern Australia Environmental Resources Hub: Scoping project on threatened species in northern Australia	2015-16	\$62,500
ARC Discovery Grant (Australian Research Council): Using larval connectivity to inform marine reserve network designs in the Coral Triangle	2014-16	\$365,000
Natural Resource Management Climate Change Impacts and Adaptation (Department of Climate Change and Energy Efficiency): Conservation planning for climate change adaptation	2013-16	\$330,000
Australia-India Senior Visiting Fellowship (Australian Academy of Science): Reconciling biodiversity conservation and livelihoods in India (travel to the Ashoka Trust for Research in Ecology and Environment and the Indian Institute of Science Centre for Ecology Sciences)	2013	\$8,100
Gorgon Barrow Island Net Conservation Benefits Fund: Decision support system for prioritising and implementing biosecurity on Western Australia's islands	2012-17	\$2,030,391

Australian Centre for Ecological Analysis and Synthesis: Integrated catchment-to-coast planning: data, decision support, and governance	2012-13	\$50,000
Griffith University/James Cook University Collaborative Grants Scheme: Examining trade-offs and synergies between terrestrial and freshwater conservation priorities in the Daly catchment	2012	\$8,000
National Environmental Research Program, Tropical Ecosystems Hub: Conservation planning for a changing coastal zone	2011-14	\$531,440
National Environmental Research Program, Tropical Ecosystems Hub: Prioritising management actions for Great Barrier Reef islands	2011-14	\$200,000
National Environmental Research Program, Northern Australia Hub: Catchment to coast conservation planning	2011-14	\$648,250
Save our Seas Foundation: Systematic priorities for the management of marine mega-fauna in the face of climate change	2011	\$18,260
Griffith University/James Cook University Collaborative Grants Scheme: Drivers of freshwater fish biodiversity loss	2011	\$8,800
James Cook University, Collaboration Across Boundaries: Integrating conservation outcomes with landholder priorities for effective restoration in a Great Barrier Reef catchment	2011	\$9,900
NOAA (National Oceanic and Atmospheric Administration): Applying a systematic conservation planning framework to develop a provincial marine protected area network management plan for Siquijor, Philippines	2010-11	\$86,600
ARC Super Science Fellowships (Australian Research Council): Postdoctoral fellowship to develop systematic priorities for management of marine mega-fauna to increase their resilience to climate change	2010-13	\$278,400
The Nature Conservancy: Solomon Islands, supporting country actions on the Convention on Biodiversity Program of Work on Protected Areas	2010	\$40,000
Marine Conservation Biology Institute, Washington DC: Discussion paper on adaptive marine spatial planning	2010	\$10,000
ARC Linkage Grant (Australian Research Council): Postdoctoral fellowship for innovative systematic conservation planning for indigenous land and sea country: Torres Strait as a case study	2010-13	\$250,000
Queensland Department of Environment and Resource Management and National Parks Association of Queensland: Statistical modelling to explain and predict current and enhanced reserve management costs in Queensland	2009-12	\$330,000

Australian Institute of Marine Science: co-funding of postdoctoral researcher	2009-11	\$150,000
Pew Foundation: Analysis of park management costs, Coral Sea	2009	\$23,000
Avon Catchment Council: A Strategic Conservation Plan for Species and Ecological Community Conservation in the Avon NRM Region	2008-10	\$292,430
ARC Linkage Grant (Australian Research Council): Forecasting and managing biodiversity change: birds in an urbanizing landscape (co-applicant)	2007-09	\$178,186
ARC Discovery Grant (Australian Research Council): Integrating multiple conservation values for protection and restoration of native vegetation	2006-08	\$410,000
ARC Linkage Grant (Australian Research Council): Postdoctoral fellowship for research on conservation planning in the context of dynamics and uncertainties (co-applicant)	2004-06	\$164,000
ProVarzea (Brazil): Assistance with data compilation and software analysis for conservation planning on the Amazon floodplain	2003-05	\$15,600
Conservation International: Co-ordination of international working group on software planning software and leading a workshop and short course at the 2003 World Parks Congress	2002-03	\$15,600
National Center for Ecological Analysis and Synthesis: Costs of convening an international working group on conservation planning software	2002-03	\$26,000
Resource and Conservation Assessment Council: Further development of C-Plan conservation planning software for application to coastal conservation assessments	2002-03	\$90,000
University of Port Elizabeth, South Africa: Assistance in developing a conservation plan for the Thicket Biome	2000-01	\$22,600
World Wide Fund for Nature (WWF) International: Development of a manual for systematic conservation planning to be used throughout the WWF network	2000-01	\$58,500
Resource and Conservation Assessment Council: Further development of C-Plan conservation planning software and application to negotiations over public forests in south-eastern New South Wales	1999-00	\$290,000
Resource and Conservation Assessment Council: Further development of C-Plan conservation planning software and application to negotiations over public forests in north-eastern New South Wales	1998-99	\$319,000

Environment Australia Biodiversity Group: Validation and refinement of estimates of irreplaceability in conservation planning	1997-98	\$58,650
Resource and Conservation Assessment Council: Further development of C-Plan conservation planning software and application to negotiations over public forests in the Eden Management Area	1997-98	\$291,000
Resource and Conservation Assessment Council: Further development of C-Plan conservation planning software	1996-97	\$270,000
Resource and Conservation Assessment Council: Development of C-Plan conservation planning software and application to negotiations over public forests in eastern New South Wales	1995-96	\$152,000
National Reserve System Co-operative Program (Australian Nature Conservation Agency): GIS and data base on reserves in New South Wales to assess representativeness and requirements	1993-95	\$73,600
National Reserve System Co-operative Program (Australian Nature Conservation Agency): Reserve selection project in the North-East Forests of New South Wales	1992-94	\$50,000
Murray-Darling Basin Commission Natural Resource Management Strategy: Support for research on systematic reserve selection in western New South Wales with implications for the Murray-Darling Basin	1991-94	\$122,000
States Co-operative Assistance Program (Australian National Parks and Wildlife Service): Compilation and review of wetland surveys in New South Wales	1990-91	\$40,000
Western Lands Commission: Completion of digitised data base of land systems in the Western Division	1990-91	\$8,000
States Co-operative Assistance Program (Australian National Parks and Wildlife Service): Testing new techniques for vegetation survey and reserve selection in south-eastern New South Wales (co-applicant)	1989-91	\$30,500
National Estate Grant (Australian Heritage Commission): Assessment of conservation status and requirements of mammals and herpetofauna in the Western Division	1988-90	\$24,000
National Estate Grant (Australian Heritage Commission): Updating property management plans for pastoral properties in the Willandra Lakes World Heritage Region	1987-88	\$30,000
States Co-operative Assistance Program (Australian National Parks and Wildlife Service): Development of data bases and reserve selection procedures for western New South Wales	1986-88	\$38,500





## JOURNAL REVIEWS & EDITING

Member of the editorial board for Conservation Letters (2007-2009)  
 Member of the editorial board for Biological Conservation (2004-2009)  
 Member of the editorial board for Conservation Biology (2000-2009)

Special issues and sections:

- Editor of theme issue of Philosophical Transactions of the Royal Society: Measuring the difference made by conservation initiatives: protected areas and their environmental and social impacts.
- Co-editor of special section of Conservation Biology 2007: Systematic conservation planning in the European landscape: conflicts, environmental changes and the challenge of Countdown 2010
- Co-editor of special issue of Biological Conservation 2003: Conservation planning in the Cape Floristic Region

Referee for manuscripts submitted to:

Animal Conservation  
 Aquatic Conservation: Marine and Freshwater Ecosystems  
 Austral Ecology  
 Belgian Journal of Entomology  
 Biodiversity and Conservation  
 Biological Reviews of the Cambridge Philosophical Society  
 Canadian Journal of Forest Research  
 Diversity and Distributions  
 Ecological Applications  
 Ecological Management and Restoration  
 Environmental Modelling and Software  
 Hydrobiologia  
 Journal of Applied Ecology  
 Journal of Biogeography  
 Journal of Environmental Management  
 Landscape and Urban Planning  
 Landscape Ecology  
 Natural Areas Journal  
 Nature  
 Natureza & Conservação  
 New Zealand Journal of Ecology  
 Oceanologia  
 Pacific Conservation Biology  
 Plant Ecology  
 Proceedings of the National Academy of Sciences USA  
 Records of the Western Australian Museum  
 Science  
 South African Journal of Zoology  
 Trends in Ecology and Evolution  
 Wetlands (Australia)  
 Wildlife Research  
 Wilson Bulletin

## PUBLICATIONS

Note regarding authorship: I avoid automatic authorship on publications produced by my research group, limiting my authorship to papers and chapters to which I have made a substantial contribution. I also avoid nominal last authorship on publications because it is ambiguous with respect to contribution. I ask people in my program and other collaborators to order authors according to their relative contributions to the published research. A few papers, however, obviously have most authors in alphabetical order.

### Refereed journal papers

Adams, V.M., **Pressey, R.L.** and Álvarez-Romero, J.G (submitted)

Using scenarios to assess tradeoffs between conservation, development, and social values for optimal land-use planning.

PLoS ONE.

Bode, M., Williamson, D.H., Weeks, R., Jones, G.P., Almany, G.R., Harrison, H.B., Hopf, J.K. and **Pressey, R.L.** (submitted)

Planning marine reserve networks for both feature representation and connectivity.

PLoS ONE.

Chacón, A., Stoeckl, N., Jarvis, D. and **Pressey, R.L.** (submitted)

Land managers' life satisfaction: motivations to participate in on-farm conservation programs.

Australasian Journal of Environmental Management.

Fuentes, M.M.P.B., Bateman, B.L., Boettcher, R., Ceriani, S., Dodd, M., Godfrey, M., Gredzens, C., Helmers, D., Ingram, D., Kamrowski, R.L., Pate, M., **Pressey, R.L.** and Radeloff, V.C. (submitted)

Conservation hotspots for marine turtle nesting areas based on exposure to coastal development and sea level rise.

Ecological Applications.

Gurney, G.G., Cinner, J.E., Sartin, J., Ban, N.C., **Pressey, R.L.**, Marshall, N. and Prabuning, D. (submitted)

Participation in devolved resource governance: socioeconomic factors related to participation in community-based management of marine protected areas in Indonesia.

Environmental Science and Policy.

Hamel, M.A., **Pressey, R.L.**, Andréfouët, S., Evans, L.S. and Hicks, C. (submitted)

Accounting for the importance of ecosystem services and benefits to local communities in systematic conservation planning: it's not all about fisheries.

PLoS ONE.

Sevilha, A.C., **Pressey, R.L.**, Wiederhecker, H.C., VanDerWal, J., Williams, S.E., Colli, G.R., Marinho-Filho, J., Marini, M.Â., Constantino, R., Tidon, R., Morais, H.C., Diniz, I.R., Scariot, A., Walter, B.M.T., Cavalcanti, T.B., Vitt, L.J. and Caldwell, J. (submitted)

Digging deep for biodiversity information in data-deficient areas: the case of the Paranã River Basin within a global biodiversity hotspot.

PLoS ONE.

Schwartz, M., Cook, C., **Pressey, R.L.**, Pullin, A., Runge, M., Salafsky, N., Sutherland, W. and Williamson, M. (submitted)

Bridging the research-implementation gap by linking conservation science to decision support frameworks.

Conservation Letters.

Walsh, M., Stoeckl, N., Dale, A., Brodie, J. and **Pressey, R.L.** (submitted)

The Great Barrier Reef Loan Fund: can concessionary debt financing of agribusinesses help to achieve water quality targets?

Journal of Environmental Management.

Welch, H., **Pressey, R.L.** and Reside, A.E. (submitted)

Using temporally explicit habitat suitability models to reduce dynamic threats to mobile species.

Ecological Applications.

Arias, A. and **Pressey, R.L.** (2016)

Combatting illegal, unreported, and unregulated fishing with information: a case of probable illegal fishing in the tropical eastern Pacific.

Frontiers in Marine Science (in press).

Arias, A., **Pressey, R.L.**, Jones, R.E., Álvarez-Romero, J.G. and Cinner, J.E. (2016)

Optimizing enforcement and compliance in offshore marine protected areas: a case study from Cocos Island, Costa Rica.

Oryx 50, 18-26.

Bridge, T.C.L., Grech, A.M. and **Pressey, R.L.** (2016)

Factors influencing incidental representation of previously unknown conservation features in marine protected areas.

Conservation Biology 30, 154-165.

Fuentes, M.M.P.B., Chambers, L., Chin, A., Dann, P., Dobbs, K., Marsh, H., Poloczanska, E.S., Maison, K., Turner, M. and **Pressey, R.L.** (2016)

Adaptive management of marine mega-fauna in a changing climate.

Mitigation and Adaptation Strategies for Global Change (in press).

Grech, A., **Pressey, R.L.** and Day, J.C. (2016)

Coal and cumulative impacts in the Great Barrier Reef.

Conservation Letters (in press).

Hughes, T.P., Chin, A., Connolly, S.R., Day, J., Jones, G.P., McCook, L., McGinnity, P., Mumby, P.J., **Pressey, R.L.**, Russ, G.R., Tanzer, J. and Tobin, A. (2016)

A critique of claims for negative impacts of Marine Protected Areas on fisheries.

Ecological Applications (in press).

Horigue, V., Fabinyi, M., Foale, S., **Pressey, R.L.**, Aliño, P.M. (2016)

Influence of governance context on the management performance of marine protected area networks.

Coastal Management (in press).

Magris, R.A., Treml, E.A., **Pressey, R.L.** and Weeks, R. (2016)

Integrating multiple species connectivity and habitat quality into conservation planning for coral reefs.

Ecography (in press).

Sheaves, M., Coles, R., Dale, P., Grech, A., **Pressey, R.L.** and Waltham, N. (2016)  
Enhancing the value and validity of EIA: serious science to protect Australia's Great Barrier Reef.  
Conservation Letters (in press).

Visconti, P., Baisero, D., Bakkenes, M., Brooks, T., Butchart, S.H.M., Joppa, L., Alkemade, R., Di Marco, M., Santini, L., Hoffmann, M., Maiorano, L., **Pressey, R.L.**, Arponen, A., Boitani, L., Reside, A., van Vuuren, D., Rondinini, C. (2016)  
Projecting global biodiversity indicators under future development scenarios.  
Conservation Letters (in press).

Welch, H., **Pressey, R.L.**, Ceccarelli, D.M., Heron, S.F. and Hobday, A.J. (2016)  
Regimes of chlorophyll-a in the Coral Sea: implications for evaluating adequacy of marine protected areas.  
Ecography (in press).

Álvarez-Romero, J.G., Adams, V.M., **Pressey, R.L.**, Douglas, M., Dale, A.P., Augé, A.A., Ball, D., Childs, J., Digby, M., Dobbs, R., Gobius, N., Hinchley, D., Lancaster, I., Maughan, M. and Perdrisat, I. (2015)  
Integrated cross-realm planning: a decision-makers' perspective.  
Biological Conservation 191, 799-808.

Álvarez-Romero, J.G., **Pressey, R.L.**, Ban, N.C. and Brodie, J. (2015)  
Advancing land-sea conservation planning: integrating modelling of catchments, land-use change, and river plumes to prioritise catchment management and protection.  
PLoS ONE 10(12), e0145574.

Anthony, K. R.N., Marshall, P.A., Abdullah, A., Beeden, R., Bergh, C., Black, R., Eakin, M., Game, E.T., Gooch, M., Graham, N.A.J., Green, A., Heron, S.F., van Hooidonk, R., Knowland, C., Mangubhai, S., Marshall, N., Maynard, J.A., McGinnity, P., McLeod, E., Mumby, P.J., Nyström, M., Obura, D., Oliver, J., Possingham, H.P., **Pressey, R.L.**, Rowlands, G.P., Tamelander, J., Wachenfeld, D. and Wear, S. (2015)  
Operationalising resilience for adaptive coral reef management under global environmental change.  
Global Change Biology 21, 48-61.

Arias, A., Cinner, J.E., Jones, R.E. and **Pressey, R.L.** (2015)  
Levels and drivers of fishers' compliance with marine protected areas.  
Ecology and Society 20(4), art. 19.

Ban, S.S., **Pressey, R.L.** and Graham, N.A.J. (2015)  
Assessing the effectiveness of local management of coral reefs using expert opinion and spatial Bayesian modeling.  
PLoS ONE 10(8), e0135465.

Beier, P., Sutcliffe, P., Hjort, J., Faith, D.P., **Pressey, R.L.** and Albuquerque, F. (2015)  
A review of selection-based tests of abiotic surrogates for species representation.  
Conservation Biology 29, 668-679.

Bos, M., **Pressey, R.L.** and Stoeckl, N. (2015)  
Marine conservation finance: the need for and scope of an emerging field.  
Ocean & Coastal Management 114, 116-128.

Comer, P.J., **Pressey, R.L.**, Hunter, M.L., Schloss, C.A., Buttrick, S.C., Heller, N.E., Tirpak, J.M., Faith, D.P., Cross, M.S. and Shaffer, M.L. (2015)  
Incorporating geodiversity into conservation decisions.  
*Conservation Biology* 29, 692-701.

Devillers, R., **Pressey, R.L.**, Grech, A., Kittinger, J.N., Edgar, G.J., Ward, T. and Watson, R. (2015)  
Reinventing residual reserves in the sea: are we favouring ease of establishment over need for protection?  
*Aquatic Conservation: Marine and Freshwater Ecosystems* 25, 480-504.

Ferraro, P.J. and **Pressey, R.L.** (2015)  
Measuring the difference made by conservation initiatives: protected areas and their environmental and social impacts.  
*Philosophical Transactions of the Royal Society B* 370, 20140270.

Fuentes, M.M.P.B., Blackwood, J., Jones, B., Kim, M., Leis, B., Limpus, C.J., Marsh, H., Mitchell, J., Pouzols, F.M., **Pressey, R.L.**, Visconti, P. (2015)  
A decision framework for prioritizing multiple management actions for threatened marine megafauna.  
*Ecological Applications* 25, 200-214.

Gurney, G.G., **Pressey, R.L.**, Cinner, J.E., Pollnac, R. and Campbell, S.J. (2015)  
Integrated conservation and development: evaluating a community-based marine protected area project for equality of socioeconomic impacts.  
*Philosophical Transactions of the Royal Society B* 370, 20140277.

Gurney, G.G., **Pressey, R.L.**, Ban, N.C., Álvarez-Romero, J.G., Jupiter, S. and Adams, V.M. (2015)  
Efficient and equitable design of marine protected areas in Fiji through inclusion of stakeholder-specific objectives in conservation planning.  
*Conservation Biology* 29, 1378-1389.

Horigue, V., **Pressey, R.L.**, Mills, M., Brotánková, J., Cabral, R. and Andréfouët, S. (2015)  
Benefits and challenges of scaling up expansion of marine protected area networks in the Verde Island Passage, Central Philippines.  
*PLoS ONE* 10(8), e0135789.

Keppel, G., Naikatini, A., Rounds, I.A., **Pressey, R.L.** and Thomas, N.T. (2015)  
Local and expert knowledge improve conservation assessment of rare and iconic Fijian tree species.  
*Pacific Conservation Biology* 21, 214-219.

Lawler, J.J., Ackerly, D.D., Albano, C.M., Anderson, M.G., Dobrowski, S.Z., Gill, J.L., Heller, N.E., **Pressey, R.L.**, Sanderson, E.W. and Weiss, S.B. (2015)  
The theory behind, and the challenges of, conserving nature's stage in a time of rapid change.  
*Conservation Biology* 29, 618-629.

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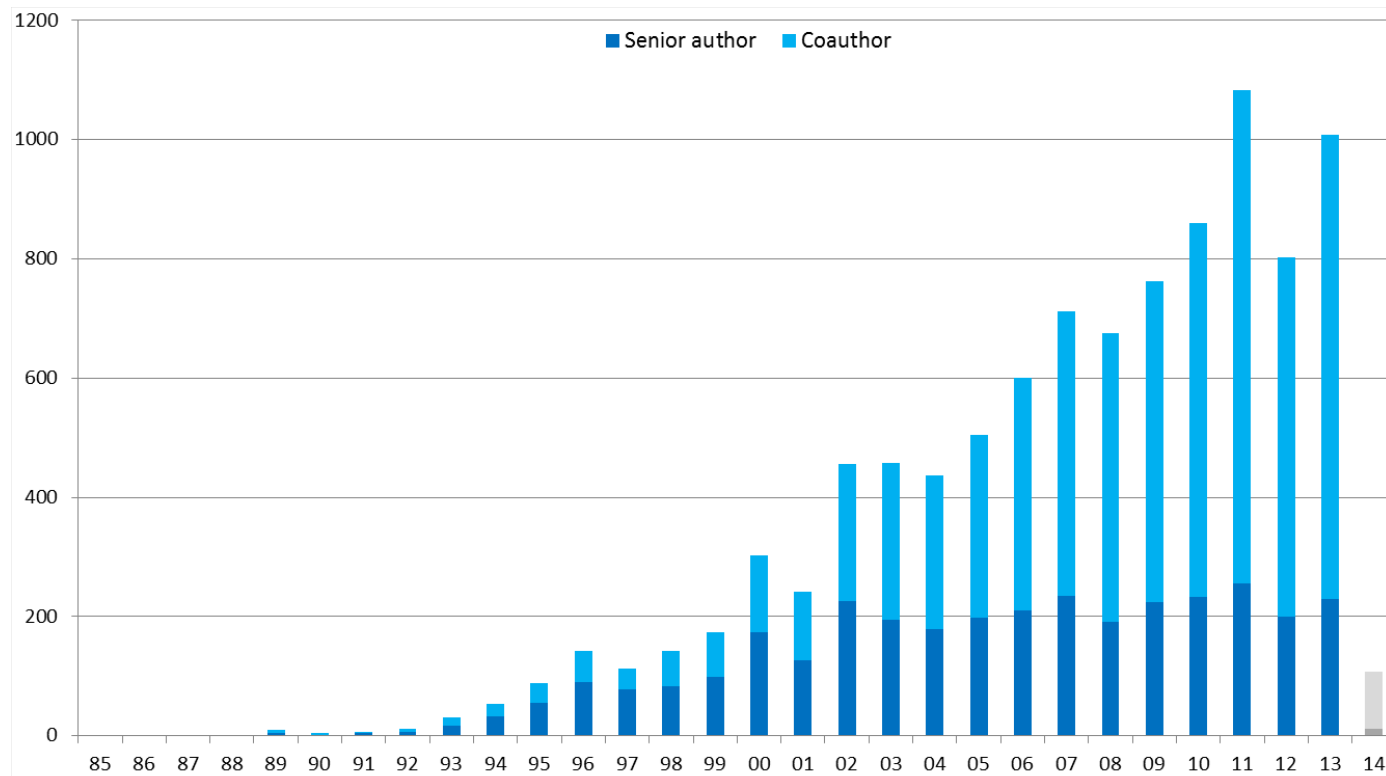
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