

Curriculum Vitae: Professor Paul McShane

Personal Details

Professor Paul McShane

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Education

2001	MBA		University of Adelaide
1997	Diploma	Aust. Inst. Company Directors	University of Sydney
1991	Ph D	Fisheries Ecology	La Trobe University
1993		Economics	Massey University
1989	M Sc	Marine Zoology	University of Melbourne

Employment History

July 2006 – present: Managing Director Global Marine Resource Management P/L

An international consulting company specialising in marine/coastal resource assessment with an emphasis on ecologically sustainable development and community-based management. I have served clients in government (particularly Australia and ASEAN member countries) and in the private sector. See www.globalmarineresourcemanagement.com.au

Key achievements include:

- Design and Leadership “Developing integrated catchment management strategies for sustainable water use in response to climate change” (India). AusAID 2009-2011.
- Design and Leadership “Developing integrated catchment management strategies for sustainable water use in response to climate change” (Indonesia). AusAID 2009-2011.
- Design and Leadership “Developing integrated catchment management strategies for sustainable water use in response to climate change” (Vietnam). AusAID 2009-2011.
- Design and Leadership “Managing community impacts of climate change in India and Bangladesh”. AusAID 2010-2012.
- Design and Leadership “Strengthening capacity for responsive climate change policy development and application (Indonesia)”. AusAID 2010-2012.
- Design and Leadership “Developing capacity for proactive climate change mitigation and adaptation (Indonesia)”. AusAID 2010-2012 2010.
- Design and Leadership “Extending successful community-based forestry management experience for application to REDD scheme reforestation trials and development of an Asian carbon economy (Indonesia, Vietnam, Cambodia, Lao PDR)”. AusAID 2010-2012.
- Design and Leadership “Developing proactive policy and practice for land and water management responsive to climate change (Indonesia, Vietnam, India, Bangladesh)”. AusAID 2010-2012.
- Design and Leadership “Integrated management of international rivers in response to climate change”. AusAID 2011-2013 (Indonesia, Vietnam)
- Design and Leadership “Developing effective climate change policy (adaptation and mitigation) Vietnam” AusAID 2012-2014.
- Design and Leadership “Developing regional collaboration in river basin management in response to climate change” AusAID 2013-2016 (Nepal, Bhutan, India, Bangladesh).
- Design and Leadership “Developing research capacity for sustainable development in response to climate change” AusAID 2013-2015 (Indonesia, Vietnam)

- Design and Leadership “Community engagement responsive to reduced deforestation and forest degradation in Central Kalimantan” AusAID 2012-2014
- Design and Leadership “Knowledge Sector Development Vietnam” AusAID 2013-2015
- Chief Technical Adviser “South-south knowledge sharing for ecosystem-based adaptation: Community-based approaches to climate change adaptation: knowledge transfer among climate-exposed countries”. World Bank 2013
- Design and Leadership “Community engagement for improved HIV/AIDS and maternal health outcomes in Myanmar”. DFAT Public Sector Linkage Program 2014.
- Program Leader “Developing translation and interpretation services in Indonesia”. DFAT Public Sector Linkage Program 2014-2015.
- Design and Leadership “Sustainable Aquaculture Indonesia” Australia Awards Indonesia Short Course 2017/18
- Design and Leadership “Sustainable Fisheries Management, Indonesia” Australia Awards Indonesia Short Course (two programs) 2015, 2016;
- Design and Leadership “Seafood Product Development, Indonesia” Australia Awards Indonesia Short Course (2016);
- Design and Leadership “Empowering women for sustainable development of Indonesia’s aquatic living resources”. Australia Awards Fellowship (2016);
- Design and Leadership “Overcoming barriers to developing Indonesia’s small to medium enterprise sector”. Australia Awards Fellowship (three programs) (2012-2017);
- Design and Leadership “Developing capacity for sustainable economic development of Indonesia’s fisheries” Australia Awards Fellowship (2017);
- Principal advisor “Research skills development: SMART Fish Indonesia”. UNIDO capacity building program (2017);
- Director of the Australian Fisheries Research and Development Corporation (FRDC) with special responsibility for climate change. Strategic planning and development of research programs in fisheries and aquaculture (2006-2009);
- Lead consultant on various capacity building and institutional strengthening programs (South Asia, Saudi Arabia, South East Asia, the Pacific) (World Bank, ASEAN, Riyadh Development Authority).

February 2018 – present: Professorial Research Fellow James Cook University

Engaged with James Cook University within the College of Science and Engineering to extend development opportunities in Indonesia and other South East Asian countries. Strategic programs for capacity building and institutional strengthening aquaculture and fisheries including co-development of tenders, R&D opportunities, and HDR training.

- Design and Leadership “Aquaculture Benchmarking”. Australia Awards Indonesia Short Course 2018.

April 2016 –Sept 2018: Adjunct Research Fellow, School of Social Sciences, Faculty of Arts, Monash University

Developing and leading interdisciplinary research programs responsive to international development particularly in Asia, South East Asia, and the Pacific. Assisting Global Engagement in strategic initiatives responsive to education, research, and development programs.

- Primary supervisor of two PhD students (interdisciplinary studies of sustainable natural resource development) (Indonesia, Bangladesh). Completed 2018.
- Leader “Developing translating and interpreting capacity Indonesia”. Australia Awards Fellowship (2017-19).

**Sept 2008 – April 2016: Chief Research Officer Monash Sustainability Institute (MSI)
Monash University**

The Monash Sustainability Institute aims to extend Monash University's research strengths in water, climate, ecology, energy and health including the social, economic and regulatory aspects. Reporting to the Director, I developed and led interdisciplinary research teams/projects across all Faculties of the University nationally and internationally.

Key achievements include:

- Successful leadership of inter-disciplinary teams and projects addressing the link between research and policy in the context of climate change and sustainable economic development in developing countries (South and South East Asia, the Pacific).
- Active and wide-ranging engagement of research teams across traditional discipline boundaries including: engineering, the social sciences (economics, law, political science, sociology, anthropology, religion/culture), science (chemistry, mathematics, physics, geosciences, climatology, ecology, modelling, hydrology) e.g. examination of climate change impacts on major catchments in Asia.
- High-level engagement (minister, chief executive) in national/international development projects particularly: climate change (e.g. National Council on Climate Change Indonesia), water resource management (e.g. Ministry of Natural Resources and Environment, Viet Nam), integrated catchment management (e.g. State Water Planning organisations, Universities and research agencies India), international river management (e.g. Chinese Academy of Science, Mekong River Commission, AusAID), land use and land use change forestry (e.g. AusAID).
- Consistent success (as Principal Investigator) in securing competitive Research and Development grants with more than \$6 million attracted.

**December 2004 – July 2006: Vice President International and Development and
Professor of Marine Science, Australian Maritime College (AMC).**

A member of the Commonwealth Association of Universities, the Australian Maritime College (AMC) is Australia's national centre for maritime training, education and research (www.amc.edu.au). The AMC has now merged with the University of Tasmania. As a member of the Senior Management Team I was responsible for strategic management and development of international education and research initiatives.

Key achievements include:

- Established the National Centre for Marine and Coastal Conservation including attraction of funding (more than \$37 million), recruitment of key staff, development of curricula, and collaboration with key stakeholders;
- Director of AMSAT Ltd, an organisation extending the collective capacity of Australian government organisations including CSIRO, GeoScience Australia, AIMS, BRS, Bureau of Meteorology in major international science/technology projects;
- Delivered high level advice to Pacific Island nations on Coastal Zone development (as part of capacity building initiatives);
- Management of the Graduate School of Marine Resource Management (including national recognition by the Australian Research Institute in Education for Sustainability as being "at the forefront of Australian Business Schools addressing sustainability within its course").

December 1998 - Dec 2004:

Director Fisheries and Marine Environment, AMC

As a member of the Senior Management Team of the Australian Maritime College (AMC), I was responsible for strategic and operational management of the Beauty Point campus. I developed new educational programs and was responsible for leadership of all research activities. I also contributed to the strategic planning and leadership of the AMC.

Key achievements include:

- Leadership of 80 academic and support staff. Strategic and operational management (\$10 million p.a.) and asset management (including research vessels) (more than \$50 million);
- Established and developed the Graduate School of Marine Resource Management attracting professionals worldwide including senior managers from National agencies Pacific Island nations;
- Chair Research and Higher Degrees by Research Committee with increased research performance and delivering an MNRF grant (to establish the Australian Maritime Hydrodynamic Research Facility: \$5 million);
- Extended AMC capacity in a major project involving ASEAN member nations in developing seafood supply chain strategies in SE Asia (with ACIL and AMSAT);
- Principal advisor Commonwealth government on training and education capacity with the current and future needs of the Australian aquaculture industry.

July 1996- December 1998:

Program Leader (SARDI Aquatic Sciences, SA)

Reporting to the Chief Scientist, I was responsible for leadership and operational management of more than 30 scientific and technical staff within seven subprograms involving aquatic resource management. I managed a annual budget of more than \$10 million and was responsible for developing new research initiatives through active stakeholder engagement.

Key achievements include:

- Successful establishment and supervision of multi-disciplinary, multiple agency research including major ecosystem studies of Spencer Gulf and Gulf St. Vincent;
- Outstanding achievement in science (competitive research grants > \$2 million; high impact publications, invited chair of national symposia);
- Active participation in stakeholder management committees.

July 1994 - July 1996:

Program Leader NIWA Ltd (New Zealand)

NIWA is a crown research institute (CRI) responsible for the conduct of aquatic, oceanographic, and fisheries research in New Zealand (www.niwa.cri.nz).

Key achievements include:

- Successful development and leadership of aquatic research projects: abalone stock assessment; experimental fishing for abalone; experimental fishing for sea urchins; abalone biology;
- Leadership of multidisciplinary projects including sub-tidal ecology (environmental impact assessment; pollution risk assessment; biological surveys of potential marine parks; marine resource assessment);
- Internationally recognised achievement in research (key note speaker in natural resource management fora Australia, Japan, Canada, USA).

Publications

- More than 80 peer-reviewed book chapters, high impact papers and technical reports with an emphasis on marine resource assessment and management (publication record available upon request);
- More than 120 popular articles, contract reports and conference papers;
- Regular participant (including session chair and keynote speaker) at International symposia: natural resource management, water resource management, climate change adaptation and mitigation;
- Regular reviewer for high impact International journals including: *Aquaculture*, *Marine Biology*, *Journal of Experimental Marine Biology and Ecology*, *Fishery Bulletin*, *Fisheries Research*, *Marine Ecology Progress Series*, *Marine and Freshwater Research*;
- Associate Editor: *Journal of Ocean Technology*;
- Editorial Advisory Board member: *International Journal of Indonesian Studies*;
- Expert reviewer Agence Nationale de la Recherche Systerra (France).

Directorships

- Global Marine Resource Management Pty Ltd. (2006–present);
- Fisheries Council of South Australia (2007–2010);
- Fisheries Research and Development Corporation (2006–2009);
- Victorian Fisheries Co-Management Council (2007–2009);
- Seafood Council (SA) Ltd (South Australia) (2002–2008);
- Point Nepean Community Trust (Victoria) (2004– 2007);
- North Australian Safety Centre (Northern Territory) (2000–2006);
- Seafood Training Tasmania (Tasmania) (1998–2005);
- Australian Marine Science and Technology Ltd (ACT) (2004–2006).

Other

- Member Australia Indonesia Business Council
- Fellow and Graduate of the Australian Institute of Company Directors;
- Senior Advisor (Fisheries and Aquaculture) AMSAT Ltd (2000–2008);
- Chair International Fisheries Panel for the Engineering Committee on Oceanic Resources (ECOR) (2000–2008);
- Chair Technology Working Group Fisheries Council of SA (2008–2010);
- Chair Fisheries Consultative Committee Fisheries Council of SA (2009-2010);
- Coxswain's certificate of competency Marine Board of Victoria;
- Commercial Dive Qualification (DLI NZ);
- Experienced and successful supervisor Higher Degree by Research students (MSc, PhD);
- Accomplished public speaker with substantial media (television, radio, print) experience.
- Level 1 Membership Monash Institute of Graduate Research (PhD supervision)