

## Curriculum Vitae: Dr Paul McShane

### Personal Details

#### Dr Paul McShane

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**Nationality:** Australian

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### Education

2001	<b>MBA</b>		University of Adelaide
1997	<b>Diploma</b>	Australian Institute of Company Directors	University of Sydney
1991	<b>Ph D</b>	Fisheries Ecology	La Trobe University
1993		Economics	Massey University
1989	<b>M Sc</b>	Marine Zoology	University of Melbourne

### Employment History

#### July 2006 – present: Principal Global Marine Resource Management Pty Ltd

*An international consulting company specialising in marine/coastal resource assessment with an emphasis on ecologically sustainable development. I have served clients in government (particularly Australia and ASEAN member countries) and in the private sector.*

#### Key achievements include:

- Leadership and design of Australia Awards Indonesia Short Course “Sustainable Fisheries Management Indonesia” two programs for 25 participants each including in-country workshops 2015, 2016.
- Leadership and design of Australia Awards Indonesia Short Course “Seafood Product Development” 25 participants including in-country workshops 2016.
- Leadership and design of Australia Awards Fellowship “Empowering women for sustainable development of Indonesia’s aquatic living resources”. 2016
- Curriculum development and training with Sekolah Tinggi Perikanan (Jakarta Fisheries University). United Nations International Development Organisation. 2016.
- Leadership of an integrated study of coastal resource development in Indonesia aligned to ecologically sustainable development. High level engagement (central, provincial and district level government) linking research and development to policy development;
- Principal developer and project leader: Clean Green integrated product management system for rock lobster. Development and commercialisation of an internationally recognised (UN award for environmental management) product management system in the seafood sector;
- Provision of high level advice (national ministry, government agencies among ASEAN member countries) in developing and applying food safety systems in ASEAN seafood sectors;
- 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;
- Development of co-management of commercial fisheries including engagement with stakeholders (government, conservation sector, and commercial fishers);
- Provision of expert advice on water resource management issues state government agencies (NSW, Victoria);
- Proactive engagement of industry in research and development activities. (Empowering stakeholders to initiate and advance R&D projects in the seafood industry);
- Environmental impact assessment (new aquaculture development Malaysia);
- Stock Assessment and fisheries management analysis and advice: Victorian commercial Abalone fishery (Victorian Abalone Divers Association).

**April 2016 – present: Research Fellow, School of Social Sciences, Faculty of Arts, Monash University**

*Developing and leading interdisciplinary research programs responsive to international development particularly in Indonesia. Developing interdisciplinary strategic initiatives responsive to education, research, and development programs.*

**Key achievements include:**

- Interdisciplinary engagement across all of Monash University Faculties for sustainable development programs Indonesia.

**Sept 2008 – March 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 of MSI, I develop and lead interdisciplinary international project teams/projects across all Faculties of the University.*

**Major responsibilities:**

- International development working with key stakeholders in state and national governments and in the private sector (South Asia, SE Asia) to identify and address development priorities (water, energy, health, climate, ecology);
- identification of gaps, development of opportunities, securing of funding (including investment from the private sector), encouragement of collaboration (including across agencies), and management of projects to adoption;
- develop and lead capacity building and institutional strengthening programs including executive/senior manager short courses with an emphasis on Asian countries;

**Key achievements include:**

- Successful leadership of inter-disciplinary teams and projects addressing development priorities in developing countries (South and South East Asia).
- Active and wide ranging engagement of project 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 South Asia (India, Bangladesh, Nepal).
- High-level engagement (minister, chief executive) in national/international development projects particularly: climate change (e.g. National Council on Climate Change Indonesia), education (e.g. Ministry of Natural Resources and Environment, Viet Nam), resource management (e.g. Chinese Academy of Science, Mekong River Commission, Indian state management agencies, AusAID), land use and land use change forestry (e.g. AusAID), urban development (e.g. Riyadh Development Authority, Saudi Arabia).
- Consistent success (as Principal Investigator) in securing competitive funding:
  1. 2009 Developing integrated catchment management strategies for sustainable water use in response to climate change (India). AusAID \$220,842.
  2. 2009 Developing integrated catchment management strategies for sustainable water use in response to climate change (Indonesia). AusAID \$208,997.
  3. 2009 Developing integrated catchment management strategies for sustainable water use in response to climate change (Vietnam). AusAID \$161,568.
  4. 2010 Managing community impacts of climate change in India and Bangladesh. AusAID \$249,985.
  5. 2010 Strengthening capacity for responsive climate change policy development and application. AusAID \$245,289.
  6. 2010 Developing capacity for proactive climate change mitigation and adaptation. AusAID \$240,000.

7. 2010 Extending successful community-based forestry management experience for application to REDD scheme reforestation trials and development of an Asian carbon economy. AusAID \$261,977.
8. 2010 Developing proactive policy and practice for land and water management responsive to climate change. AusAID \$321,500.
9. 2011 Integrated management of international rivers in response to climate change. AusAID \$221,500.
10. 2012 Developing effective climate change policy (adaptation and mitigation) Vietnam AusAID \$248,123.
11. 2013 Developing regional collaboration in river basin management in response to climate change AusAID \$465,631.
12. 2012 Developing research capacity for sustainable development in response to climate change AusAID \$453,545.
13. 2012 Community engagement responsive to reduced deforestation and forest degradation in Central Kalimantan AusAID \$180,000.
14. 2013 Knowledge Sector Development Vietnam AusAID \$520,735.
15. 2013 South-south knowledge sharing for ecosystem based adaptation: Community-based approaches to climate change adaptation: knowledge transfer among climate-exposed countries. World Bank \$93,953.
16. 2014 Community engagement for improved HIV/AIDS and maternal health outcomes in Myanmar. Australian Aid \$434,790.
17. 2014 Developing translation and interpretation services in Indonesia. Australian Aid \$512,900.
18. 2014 Developing a detailed proposal for impact evaluation of REDD+ and early warning systems being implemented by the Government of Nepal. Global Development Network International Initiative for Impact Evaluation. \$21,505.
19. 2015 Overcoming barriers to building Indonesia's missing SME segment. Australian Aid \$240,636.
20. 2015 Evaluating progress towards an environmental plan for ArRiyadh Saudi Arabia. ArRiyadh Development Authority. \$232,000.
21. 2015/16 Sustainable Fisheries Management Indonesia. DFAT/Coffey International \$694,000.

**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](http://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 Malaysian and Indonesian governments on Aquaculture and Fisheries Management (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;
- 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](http://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);
- Establishment of research partnerships with other CRIs and Universities.

**Jul 1990 - Jul 1994:** Research Scientist/Program Leader MAF (New Zealand).

- Fisheries stock assessment/Marine ecology research (temperate reefs).

## 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).
- Expert reviewer National Research Foundation (United Arab Emirates).

## 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

- 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);
- Level 1 Supervisor Monash Institute of Graduate Research (PhD supervision)
- Accomplished public speaker with extensive media (television, radio, print) experience.