



Dr Andrew Tobin

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The proliferation of marine protection zones (MPZs) around Australia has been rapid and taken many fishers by surprise. Much of the research Dr Tobin is currently involved with is attempting to determine what if any benefits MPZs have in sustaining fisheries. He sees this area of research as vitally important as the primary goal of MPZs is often not for fisheries but for ecosystem protection. Many fishers are frustrated by this principle, particularly when traditional fisheries management tools (such as size, catch and gear restrictions) already limit fisheries harvests. Dr Tobin believes that the focus now needs to be firmly on understanding the benefits each fisheries target species may gain from MPZs so that these benefits can be considered in the future assessment, monitoring and management of our fisheries.



Mr Michael Garrahy

Director
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Founder and Director of Law Essentials, a Regional Queensland based legal business with sites at Hervey Bay, Gympie and Noosa, current role as Business Development Leader. Board Member of Queensland Seafood Industry Association and also the National Country Music Muster. A specialist small business advisor, Michael's main passion is business strategy and execution. He has a particular interest and focus on seafood exporters, wholesalers, retailers, harvest, allied businesses and the various lobby groups linked to the seafood industry throughout Queensland.

Mr Garrahy has extensive litigation and advocacy practice; appearing in courts and tribunals throughout Queensland over 2 decades. He has been involved in many significant seafood industry related court and tribunal decisions. Together with a partner he developed a multi site personal injury litigation business at 4 regional Queensland locations.

His legal business was the Business Advisor to around 50% of the Queensland seafood industry and allied businesses severely impacted by the GBR RAP process between 2004 to 2008. He assembled a team of lawyers, accountants, scientists and an economist to prove specific impacts and secure business restructure assistance packages for damaged businesses of more than 120 million dollars out of the 220 million dollar package. Mr Garrahy's legal firm is currently representing many seafood industry businesses impacted by the 2009 Moreton bay oil spill and chemical container loss from the Pacific Adventurer.



Mr Dallas D'Silva

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Mr D'Silva works for Fisheries Victoria, Department of Primary Industries. he is the Manager of the Fisheries and Aquaculture Adaptation to Climate Change Program in Melbourne Australia. Mr D'Silva has 15 years expertise in marine fisheries management in temperate and tropical Australia.

He is currently coordinator of the Fisheries and Aquaculture South East Australia Program. The program seeks to understand climate change impacts for the South East 'hotspot' and ensure fisheries management arrangements and stakeholders are capable of adaptation.



Mr Colin Creighton

Chair, FRDC Climate change Adaptation Research Program
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Mr Creighton grew up on the Clarence, where a very long time ago he was a professional fisherman – king prawn trawl. He has been active in retaining fisheries habitat, wetland and estuary repair, leading a range of fisheries R&D, including Great Barrier Reef and Torres Strait, the bioregionalisation of Australia's marine environments, Australian National Estuaries Assessment as part of leading the National Land and Water Resources Audit, CSIRO Water Flagship and Reef Rescue.

Mr Creighton currently leads and science manages the Climate Forecasting R&D initiative called Managing Climate Variability and the FRDC – DCCEE joint Marine Biodiversity and Fisheries Climate Change Adaptation initiative which includes exploring regional approaches to fisheries management, both commercial and recreational as proposed under the National Climate Change Action Plan for Fisheries and Aquaculture.



Mr Tony Collard and Mrs Karen Collard

Queensland Trawl Fishers
QSIA Members

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Mr Collard has been involved with primary industries all his life. Growing up on a dairy farm at Norwell, his family also owned and operated a saw mill and the last arrowroot flour mill in Australia. Finishing school, aged 15, he was deckhand on FV Ka-Mar-On and FV Nekwah for 3 years, prawn trawling from Cairns to the Torres Strait before trying various land based jobs for 9 years. Mr Collard moved to Townsville in 1994 to return to commercial fishing, buying FV Danny-Mac in 2004 with wife Karen and in 2007 upgrading to FV Fiora. In 2010, Mr Collard became Area 6 Trawl Representative for QSIA and is involved with the current Queensland East Coast Trawl Management Plan Review.

Mrs Collard became involved with the Queensland fishing industry when her husband Tony returned to commercial fishing in 1994, purchasing their first trawler in 2004. Prior to starting a family in 1996 She has 12 years banking experience, culminating in the position of Metway Bank Branch Manager. She helped establish the Townsville Queensland Women's Industry Network for the Seafood Community in 1999 and arranged workshop meetings with ATO and Work Cover Queensland during 2000 when GST was introduced to clarify employment terms for fishing crew. Returning to paid employment in 2002, she works at the Queensland Country Credit Union as a Loans Assessor. Mr and Mrs Collard have been involved with the QSIA and Great Barrier Reef Marine Park Authority fisheries and climate change partnership since attending a workshop in October 2009.



Mr Simon Boag

Chief Executive Officer
South East Trawl Fishing Industry Association

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Mr Boag holds a degree in environmental science, graduate diploma in applied science - fisheries and an MBA. He has worked in fisheries in Antarctica, Argentina, New Zealand, and Australia. In New Zealand he managed the Sealord Group's annual 30m energy spend.

He prepared the New Zealand seafood industry's submission on emissions trading and appeared before the select committee on emissions trading. He currently represents the interests of Commonwealth licensed trawl fisherman in Australia's second largest fishery, the South-East trawl.



Dr Renae Tobin

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Dr Tobin has worked with Queensland fishers and fisheries and marine park managers through social science research since 2002. Working within the Fishing and Fisheries Research Centre at James Cook University, her research has been stakeholder driven and therefore diverse, ranging from exploring conflict between sectors, documenting effects of management change on industry, developing socio-economic indicators, investigating potential for co-management in regional areas, to now exploring the adaptive capacity of industry to change.



Associate Professor Neil Holbrook

Associate Professor of Climatology and Climate Change
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Associate Professor Holbrook uses his background in applied mathematics and physical oceanography, and his expertise in ocean and climate dynamics at seasonal to multi-centennial time scales, to better diagnose the important mechanisms underpinning climate variability and climate change. To reduce the uncertainties associated with human-induced (anthropogenic) climate change, the potential risks associated with abrupt climate change, and the likely changes in climatic extreme events, requires a strong understanding of natural climate variability on all time scales.

He leads a small team developing deterministic and statistical models to better predict El Niño – Southern Oscillation, Pacific decadal variability and tropical cyclone formation, in order to reduce climate risks. He has also published extensively in the international literature on the ocean's role in climate, climate variability, climate extremes and climate change. Professor Holbrook is Convener of Australia's National Climate Change Adaptation Research Network for Marine Biodiversity and Resources.



Dr Paul Marshall

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Dr Marshall is Director of the Climate Change Group in the Great Barrier Reef Marine Park Authority. He leads national and international initiatives to understand climate vulnerability of coral reef systems and provide adaptation guidance for conservation practitioners and resource-dependent industries and communities. He is particularly interested in integrating knowledge to support practical adaptation measures in tropical marine systems.

He co-edited *Climate Change and the Great Barrier Reef: A Vulnerability Assessment* and *A Reef Manager's Guide to Coral Bleaching* and has published over 30 research papers on issues relating to climate change and management of coral reefs.