

## CURRICULUM VITAE – Professor Steve Kennelly

### Goals:

- Promote science-based decision-making to world's best practice standards.
- Lead and drive excellence in objective decision-making based on high quality science.

### Core competencies:

- Executive-level leader in fisheries science and management, with broad experience in many developed and developing countries.
- Science-based solutions to the management of commercial and recreational fisheries, aquatic ecosystems and aquaculture.
- International expert on fisheries data collection and analyses, bycatch management, observer programmes, bycatch reduction and survival, fishing gear technology, fishery-dependent and independent surveys and experimental approaches to fisheries problems. "Wrote the book" on Bycatch Reduction (Kennelly, 2007) and the key papers "Bycatches of endangered, threatened and protected species in marine fisheries" (2018) and "Bycatch Beknown: Methodology for jurisdictional reporting of fisheries discards – Using Australia as a case study" (2020).
- Leader of senior Research Staff in Fisheries, Statistics, Agriculture and Forestry.
- Training, teaching and capacity-building for scientists, managers, undergraduate and postgraduate students and fishers.
- Regular keynote speaker and facilitator at international fisheries meetings and conferences.
- Excellent public speaker, communicator, motivator and negotiator. High-level media training. Extensive experience in relating complex scientific issues to the broadest range of individuals from senior Ministers and bureaucrats to fishers in protein-poor countries.

### PERSONAL

Name: Steven (Steve) James Kennelly  
Date of birth: 26th April, 1960, Sydney, Australia  
Marital status: Married, Peta (High School Teacher)

### DEGREES

1981 Bachelor of Science, Honours, University of Sydney.  
1986 Doctor of Philosophy, University of Sydney.  
1998 Doctor of Science, University of Sydney.

### EMPLOYMENT

Current Director, IC Independent Consulting [www.icic.net.au](http://www.icic.net.au). Currently or recently completed many projects for: UN Food and Agriculture Organisation, US National Marine Fisheries Service, US National Fish and Wildlife Foundation, European Union, Forum Fisheries Agency South Pacific, Marine Stewardship Council, International Council for the Exploration of the Sea (ICES), New Zealand Dept of Foreign Affairs and Trade, Fisheries Research and Development Corporation, Department of Industry, Innovation, Climate Change, Science, Research & Tertiary Education, Australia, Papua New Guinea National Fisheries Authority, Kazakhstan Center of Science and Technology Evaluation, Archipelago Marine Research, Canada, Eurofish, Denmark, Fisheries Victoria, Primary Industries and Regions South Australia, Danish Technical University (see <http://icic.net.au/recent-projects/> for all projects).

2004-2012 Director of Fisheries Research, NSW Fisheries. Supervision of all research and scientific activities regarding Wild Fisheries, Aquatic Ecosystems and Aquaculture (120 staff). Also Director, Cronulla Fisheries Research Centre of Excellence (155 staff), directing all operations of the Centre.

2004-2011 Chief Scientist, NSW Department of Primary Industries. Responsible for the delivery of research and scientific advice (over 1000 scientists and

- technicians in Statistics, Agriculture, Fisheries, Forestry and Mining), the provision of expert guidance and scientific advice to the Minister, senior executives, stakeholders and the public, and the development and promotion of the direction of ongoing research and other scientific activities.
- 2004-2011 Director of Systems Research Branch. NSW Department of Primary Industries. Direct supervision of all research in Wild Fisheries, Aquatic Ecosystems, Pastures and Rangelands, Northern and Southern Farming Systems and Biometrics.
- 2009-2010 International Consultant, United Nations Food and Agriculture Organisation, Rome, Italy. Drafted the International Guidelines for Bycatch Management and Discard Reduction which was endorsed by the UN Committee on Fisheries (COFI) in 2011. Several other fisheries projects in protein-poor countries, visiting and preparing country profiles and future directions for fisheries management and research in Nigeria, Cameroon and Madagascar.
- 2005-2006 Leader, Ministerial Delegation to the West bank and Gaza Strip. Assessed and identified numerous projects for collaborative research and development between the NSW government and Palestine in fisheries, aquaculture and dryland farming.
- 2000-2004 Chief Scientist, NSW Fisheries. Responsible for the delivery of all research and scientific advice for Wild Fisheries, Aquatic Ecosystems and Aquaculture, the provision of expert guidance and scientific advice to the Minister, senior executives, stakeholders and the public, and the development and promotion of the direction of ongoing research and other scientific activities.
- 1999-2000 Deputy Director, Principal Research Fellow, Commonwealth Special Research Centre for Research on Ecological Impacts of Coastal Cities, University of Sydney. Supervision of 55 research staff, Honours, MSc, PhD students and Post-doctoral Fellows. Research included various projects on ecosystem-based fisheries research and management, assessments of the environmental impacts of pollution and man-made structures in marine systems.
- 1987-1999 Research Scientist, Senior Research Scientist and Principal Research Scientist, NSW Fisheries. Research and scientific advice on crab fisheries, trawl fisheries bycatch quantification and reduction.
- 1995-1996, Senior Fisheries Scientist, Manomet Observatory for Conservation Sciences, Massachusetts, USA. Established a by-catch reduction research and implementation unit. Analysed information and recommended appropriate management actions regarding discarding in various trawl and gillnet fisheries. Collaborating scientist and external reviewer for the National Marine Fisheries Service Sea Sampling Observer Program - the largest at-sea data-collection program in the Atlantic Ocean.
- 1986-1987 Post-doctoral Research Fellow, University of Sydney. Examined effects of physical disturbance on the ecology of underwater kelp communities and the effects of human scavenging on rock platforms.
- 1983-1984 Research Associate, University of Sydney.

**TEACHING:**

- Lectures on fisheries science, marine biology and ecology at the University of Sydney, University of New South Wales and Macquarie University (to 2<sup>nd</sup>, 3<sup>rd</sup> and Honours year BSc classes), the Australian Maritime College, Tasmania and various Adult Education classes.
- Several courses on by-catch management and research to fisheries managers, fishermen and NGOs.
- Post-graduate course on how to articulate research in lay language and as media releases.
- Demonstrator and tutor for several laboratory classes and field excursions in Marine Botany, Marine Zoology and Marine Ecology.
- Supervisor of several MSc and PhD students at several universities throughout Australia. Assisted many other post-graduate students through advice and editing drafts of papers, reports and theses. Examiner for several post-graduate theses.

## **PUBLICATIONS:**

113 papers in international refereed journals and books. 45 presented papers (mostly invited) at international conferences. 63 other reports. 3 theses, 3 video documentaries and 2 books.

## **AWARDS AND AFFILIATIONS:**

- Honorary Adjunct Professor, Macquarie University's Division of Environmental and Life Sciences (2008 onwards).
- Adjunct Professor, National Marine Science Centre, Southern Cross University (2015 onwards)
- Member, Editorial Board of the journal Fish and Fisheries (the world's "highest impact" fisheries journal) (1999 onwards).
- Member, Editorial Board and Assistant Editor for Electronic Monitoring of the journal Reviews in Fish Biology and Fisheries (1998 onwards).
- Member, Independent Scientific Advisory Board, DiscardLess, Tools and Technologies for supporting the gradual elimination of discards in European fisheries
- Chair, various Selection Panels for Australia's Endeavour Awards (2016 onwards)
- Reviewer and Assessor for Kazakhstan's Research grants (2014)
- Member, Fisheries and Aquaculture Research National Hub (2012)
- Member, Fisheries and Aquaculture Research South-eastern Hub (2012)
- Member, National Research Providers Network (2009-2012)
- Member, Scientific Advisory Committee for the Sydney Institute of Marine Science (2008-2012).
- Member, South-East Asian Fisheries Development Corporation's (SEAFDEC) Network of Fishing Technology Experts (1998-onwards).
- Chairperson, NSW Fisheries Research Advisory Body (2009-2012).
- Member, Marine and Coastal Committee's Research and Development Working Group (2009-2011)
- Member, NSW Ministerial Advisory Council on Primary Industries Science (2005-2011).
- Member, NSW Fisheries Scientific Committee (2008-2010)
- Member, Commonwealth Government's Oceans Policy Scientific Advisory Group (2003-2010)
- Member, NSW Research Scientist Classification Committee (2002 -1010)
- Member, Recreational Fisheries Saltwater Trust Expenditure Committee (2005-2010).
- Member, Recreational Fisheries Freshwater Trust Expenditure Committee (2005-2010).
- Member, University of Sydney's Environmental Impacts on Coastal Cities (EICC) Advisory Board (2001-2009).
- Honorary Lecturer, Graduate School of Marine Resource Management, Australian Maritime College (2001 – 2008).
- Member, NSW Scientific Committee (2006-2008)
- Awarded Australia Day Achievement Award, Australian Delegation to the Commission for the Conservation of Antarctic Marine Living Resources (2007).
- Chairperson, NSW Marine Parks Research Committee (2000-2007).
- Chairperson, NSW Catch Effort Database Working Group (2000-2006).
- Member, Daughterless Carp Consultative Committee (2003-2006)
- Chairperson, Australian Fisheries Management Forum Research Committee (2000-2005).
- Member, NSW Total Allowable Catch Committee (2002-2005).
- Member, NSW Ministerial Scientific Advisory Council on Agriculture, Fisheries & Food (2003-2005)
- Invited keynote speaker, 3<sup>rd</sup> and 4<sup>th</sup> World Fisheries Congresses, Beijing, China, 2000 and Vancouver, Canada, 2004.
- Member, Program Committee for the 4<sup>th</sup> World Fisheries Congress (2002 - 2004).
- Chairperson, 4<sup>th</sup> International Fisheries Observer Conference (2002-2004).
- Chairperson, NSW Commercial Fisheries Catch Monitoring Committee (2000 - 2002).
- Chairperson, AFMA's Western and Southern Tuna and Billfish Management Advisory Committee (1999-2001).

- Awarded NSW Premier's Public Sector Silver Award (2001) for "Reducing by-catch in NSW prawn-trawl fisheries".
- Independent reviewer, Research into the Australian Giant Crab fishery (2000).
- Independent reviewer, Research into the South Australian Blue Crab fishery (2000).
- Chairperson (and research representative), NSW Estuarine Prawn-trawl Management Advisory Committee (1997-1999).
- Research representative, NSW Oceanic Prawn-trawl and Spanner Crab Management Advisory Committees (1997 - 1999).
- Program Chairperson, International Conference on Integrated Fisheries Monitoring (1999).
- Member, United Nations Food and Agriculture Organisation's Expert Technical Consultative Teams examining: (i) Wastage in the World's Fisheries (1996); and (ii) Sustainable Fishing Technologies and Practices (1998).
- Visiting Professor, Tokyo University of Fisheries (1997).
- Fellow of the Japanese Society for the Promotion of Science (1997).
- Research Affiliate, School of Biological Sciences at the University of Sydney (1987-1997).
- External reviewer, US National Marine Fisheries Service Northeast Sea Sampling Program (1995-96).
- NSW representative, National Steering Committee for the South-east Trawl Scientific Monitoring Programme (1992-95).
- NSW representative, National FRDC Effects of Trawling Sub-program's Scientific Steering Committee (1993-95).
- Chairperson, Review team for the Australian Council for International Agricultural Research (ACIAR) project: Underwater Visual Census Techniques in the South Pacific (1993-94).
- Member, NSW Fisheries Steering Committee for the Crawford River Fishway project (1993).
- Member, American Fisheries Society and Australian Society for Fish Biology.
- Awarded Post-doctoral Fellowship, University of Sydney, Marine Sciences and Technologies, 1986.
- Awarded University of Sydney Post-graduate Research Award, 1982-1986.
- Awarded G.H.S. and I.R. Lightoller Travel Award (1984).
- Nominee for BHP Award of Excellence (Science and Technologies category) for the invention of the world's first underwater microscope (1984).

#### **OTHER EXPERIENCE AND INTERESTS:**

- Successful grant applications to the Australian Fisheries Research and Development Corporation, the NSW Saltwater and Freshwater Recreational Trusts, the Australian Fisheries Management Authority, the Federal Airports Corporation, the Surdna Foundation, New York, USA, the National Fish and Wildlife Foundation, Washington DC, USA, the Orchid Foundation, Maine, USA, the Pew Foundation, Philadelphia, USA, the Marine Science and Technologies Grants Scheme and the NSW Coastal Council.
- Referee for the international journals, Fish and Fisheries, Reviews in Fish Biology and Fisheries, Journal of Experimental Marine Biology and Ecology, Marine Ecology Progress Series, Marine Biology, Fisheries Research, the Australian Journal of Marine and Freshwater Research, US Fishery Bulletin, ICES Journal of Marine Science, Cambridge University Press.
- Visited and presented seminars to fishers, scientists and managers throughout the world including many locations in Australia, the United States, Canada, Norway, Great Britain, Ireland, Germany, Japan, China, Chile, South Korea, New Zealand, Palestine, Nigeria, Cameroon, Madagascar and FAO, Rome.
- Completed various management, staff motivation, training and media management courses.
- Completed the United Nations Basic and Advanced Security Courses – required for travel to potentially dangerous areas.
- Certified Commercial SCUBA Diver and St. John's Ambulance First Aid accredited diver.
- Certified Heavy Vehicle Driver's licence.
- Speak and understand intermediate-level French.