



Dr. Tony Smith – Biography

Dr Tony Smith is a senior research scientist with CSIRO Marine and Atmospheric Research in Australia and currently leads the Ecosystem Based Management portfolio in CSIRO's Wealth from Oceans Flagship. He has led major scientific developments in management strategy evaluation applied to the development of harvest strategies for fisheries, and more recently he has helped develop a range of scientific tools to support ecosystem based fisheries management, including methods for ecological risk assessment.

He has over 60 peer reviewed publications, including in science and Nature. His work has seen extensive uptake in Australian fisheries management and has been influential globally through his work with the Marine Stewardship Council and FAO, as well as in a number of regional and national jurisdictions including the EU, US, Canada, South Africa and several countries in South America. In January 2011 he was appointed a Member of the Order of Australia for his services to ecosystem based fisheries management.

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Dr Keith Sainsbury – Biography

Dr Sainsbury is a marine ecologist and mathematical modeller with a research focus on the assessment, ecology, economics, exploitation and conservation of marine resources and ecosystems.

For over 20y Dr Sainsbury was a Senior Principle Research Scientist in the Australian federal research organisation CSIRO. He directed and conducted research on two main areas: ecologically and economically sustainable fisheries; and assessment and management of the cumulative impacts of human use on regional marine ecosystems. His work has included fishery research on resources that range from abalone to tuna and from Sub-Antarctic toothfish to tropical snappers, and on the development of assessment and risk management strategies for Australia's Commonwealth managed fisheries. He led major research programs to support sustainable management of human activities in the economically critical North West Shelf region (i.e. petrochemical industries, aquaculture, tourism, conservation, fisheries and human communities) and for the iconic Ningaloo Reef ecosystem (i.e. tourism, fisheries and conservation) in Western Australia.

Dr Sainsbury provided several of the key technical inputs during development of Australia's Oceans Policy to address integrated oceans management, and subsequently led the main research team that supported practical implementation of the policy - including identification of Marine Protected Areas on continental shelf/slope and seamount systems in Australia.



Currently Dr Sainsbury is:

- Vice-Chairman of the Board of Trustees of the Marine Stewardship Council (MSC, www.msc.org) and a member of the MSC's Technical Advisory Board;
- Fishery Commissioner with the Australian Fisheries Management Authority (www.afma.gov.au), the Australian federal fisheries regulator;
- Board member for the Australian Fisheries Research and Development Corporation (www.frdc.com.au), the main Australian funder of research into fisheries and aquaculture;
- Professor of Marine System Management in the Institute for Marine and Antarctic Studies at the University of Tasmania, Australia;
- Strategic advisor on fisheries and coastal zone management to the CSIRO Wealth from Oceans Flagship program; and
- Director of SainSolutions Pty Ltd, a company that provides scientific advice on sustainable development involving marine ecosystems, particularly ecosystem-based fishery management and integrated coastal zone management;

In 2004 Dr Sainsbury was awarded the Japan Prize (www.japanprize.jp/en/prize) for his contribution to understanding and sustainable management of continental shelf ecosystems.

Dr Sainsbury was an invited participant in the 1995 Food and Agriculture Organisation of the United Nations (FAO) expert consultancy that provided guidelines for the precautionary approach in fisheries; chaired the 2003 FAO expert consultancy that developed guidelines for the Ecosystem Approach to Fisheries management; provided the expert review for the 2008 development of FAO guidelines on the use of ecolabelling for fishery products; and is currently coordinating preparation of the reports for FAO on ecological, governance and economic indicators for the Ecosystem Approach to Fisheries management. Dr Sainsbury chaired the scientific panel of the 2006 OECD Ministerial Working Group on IUU (illegal, unregulated and unreported) fishing and was a member of the 2007 independent panel at the Royal Institute of International Affairs (Chatham House) to provide a model for improved governance by Regional Fisheries Management Organisations.