



**CONFERENCE 2004:**

**FISH, AQUACULTURE AND FOOD SECURITY:  
Sustaining Fish as a Food Supply**

**SHORT BIOGRAPHY OF SPEAKERS  
(in order of presentation on the program)**

**The Hon Tim Fischer FTSE**

Tim Fischer is Chairman of the ATSE Crawford Fund Board of Governors. He is one of Australia's most highly regarded politicians. His long career in politics began after he left the Australian Army in 1970 and he began to raise the profile of rural Australia at the State, and then Federal level. He was elected Leader of the National Party in 1990 and appointed Shadow Minister for Trade in 1993. In 1996 he was appointed Deputy Prime Minister and Minister for Trade. His interest and advocacy for Australia to become a trading super-power, especially in Asia, are well known. Mr Fischer retired from politics in June 1999 and continues to lend his considerable advocacy and political talents to chair the Crawford Fund's Board of Governors.

**The Hon Alexander Downer, MP**

Alexander Downer has been Australia's Minister for Foreign Affairs since the election of the Howard Government in March 1996, and has held the seat of Mayo for the Liberal Party continuously since 1984. Born in 1951, Mr Downer was educated at Geelong Grammar School, Victoria; Radley College, Oxford, United Kingdom; and the University of Newcastle on Tyne, United Kingdom. He holds a Bachelor of Arts (Hons) in Politics and Economics and is a Doctor of Civil Laws (honoris causa). Mr Downer is a member of the National Security Cabinet Committee.

**Dr Meryl Williams**

Dr Williams' professional interests are in research for development, research management and the role of fish and other living aquatic resources in human lives. Dr Williams is inaugural Executive Officer of the Future Harvest Alliance Office, formed in 2004 by the 15 international agricultural research centres of the Consultative Group on International Agricultural Research (CGIAR). Its mission is to develop and support the strategic policy work of the research centres and their shared services. Prior to this she was Director General of WorldFish Center from 1994-2004. She was previously Director of the Australian Institute of Marine Science (AIMS) and was a member of the AIMS Council from 1989 until June 1997. She was Executive Director of the former Bureau of Rural Resources in the Department of Primary Industries and Energy, Canberra and worked in fisheries research at the South Pacific Commission and in the Queensland government. She was a member of the first Board of the Australian Fisheries Management Authority and, from 1989 to 1993, was a member of the Council of the Australian Maritime College. She is also the Chair the of the FAO Advisory Committee on

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Fisheries Research, and a member of the scientific steering committee of the Census of Marine Life, the High Seas Marine Protected Areas Working Group and of the scientific committee of DIVERSITAS. She has published extensively in the scientific and development literature on tropical fisheries and aquaculture. She has a Ph.D. in Zoology and a Masters Degree in Literary Studies (mathematical statistics).

### **Dr Sylvia Earle**

Sylvia Earle is an oceanographer, marine botanist, ecologist, and writer. A pioneering aquanaut and marine explorer, Earle has been an explorer-in-residence at the National Geographic Society since 1998. Named Time magazine's first "hero for the planet" in 1998, Earle has pioneered research on marine ecosystems and has led more than 50 expeditions totalling more than 6,000 hours underwater. Earle made her first scuba dive at 17. She has since set the women's depth record for solo diving (1,000 meters/3,281 feet) and holds numerous other diving records. The first woman to serve as chief scientist for the U.S. National Oceanic and Atmospheric Administration (NOAA), Earle is author of more than 125 scientific and popular publications. Her research places special emphasis on marine plants and the development of technology for access and research in the deep sea. She was among the first underwater explorers to make use of modern self-contained underwater breathing apparatus (SCUBA) gear, and identified many new species of marine life. Earle is a devout advocate of public education regarding the importance of the oceans as an essential environmental habitat. She is currently the president and chief executive officer of Deep Ocean Technology and Deep Ocean Engineering in Oakland, California. She has a bachelor's degree from Florida State University and a master's and doctorate from Duke University, as well as 12 honorary doctorate degrees.

### **Mr Mike Taylor**

Michael Taylor has had a decade of extensive experience at chief executive level, including as Secretary, Department of Agriculture, Fisheries & Forestry – Australia, and leadership of three Departments for the State Government of Victoria (Agriculture, Energy & Minerals, and Natural Resource & Environment). He is also a member of an extensive range of boards, including being Deputy President and Member of the Murray Darling Basin Commission (1993 – 2000 and 2003 – current), Australian Centre for International Agricultural Research (ACIAR) and the Crawford Fund. Mike has been extensively involved in work at State, Commonwealth and International level on a wide range of agricultural, food, forestry, fisheries, minerals, water, environmental and sustainable natural resource management issues. Recently he has played a major national leadership role in improved quarantine arrangements to protect Australia from pests and diseases, the development of the National Food Industry Strategy and the establishment and implementation of the National Action Plan for Dryland Salinity and Water Quality. Mike is also Co-Chairman of the Commonwealth State Standing Committee on Natural Resource Management and Chairman of the Primary Industry Standing Committee of Australia.

### **Dr Geoff Allan**

Dr Geoff Allan is employed by NSW Department of Primary Industries as the Principal Scientist, Aquaculture. He is based at the Port Stephens Fisheries Centre, NSW, Australia. He supervises aquaculture research on freshwater and marine fish, molluscs and crustaceans. Geoff is also a Program Consultant on Aquaculture for the Australian Centre for International Agricultural Research (ACIAR) and helps that agency develop collaborative research projects to benefit Australia and developing countries. He has coordinated major national and international projects on aquaculture feeds and feeding with a particular emphasis on replacing fishmeal. He is currently a project leader for the Australian Aquafin Cooperative Research Centre for a project on developing feeding technology for temperate marine fish. Geoff is also coordinating a national program to help develop commercial aquaculture industries using inland saline water. He is the Immediate Past-President of the World Aquaculture Society (2003/04).

### **Mr Ted Loveday**

Ted Loveday is Managing Director of Seafood Services Australia Ltd, a unique industry/government partnership established to be a catalyst for the sustainable development of Australia's seafood industry. Ted has over 30 years' seafood industry experience including 20 years commercial fishing; 12 years as President and Chief Executive of the Queensland Commercial Fishermen's Organisation; 10 years as a Director and 6 years as Deputy Chair of the Australian Seafood Industry Council; 6 years as a Director and Deputy Chair of the FRDC Board. Ted has represented the industry on many other state and national bodies and in several international industry and government forums. He was awarded the inaugural Queensland Awards for Leadership and Outstanding Contributions to Primary Industries. In 2001 Ted was awarded the Australian Seafood Industry Icon Award. Also in 2001 Ted graduated as a Master of Environmental Management (Sustainable Development) with University of Queensland. He is a graduate of the Australia Rural Leadership program and is currently a Director on the Board of the Australian Rural Leadership Foundation.

### **Dr Keith J Sainsbury**

Dr Keith Sainsbury was awarded the 2004 Japan Prize for furthering the understanding and sustainable use of shelf ecosystems. He is a board member of the Australian Fisheries Management Authority and the Marine Stewardship Council, (an international body that certifies sustainable fisheries) and has advised the Food and Agriculture Organisation on precautionary and ecosystem approaches to fisheries management. Dr Sainsbury has pioneered the use of adaptive management in fisheries, including trawl fisheries management in tropical and Subantarctic Australia and in line fisheries on the Great Barrier Reef. He has led scientific assessment of many Australian fisheries. Other research has advanced the identification of Marine Protected Areas and the use of modelling to refine integrated management strategies for regional marine ecosystems.

### **Dr Rosamond Lee Naylor**

Rosamond Naylor is the Julie Wrigley Senior Fellow at the Center for Environmental Science and Policy (CESP) at Stanford University. She received her B.A. in Economics and Environmental Studies from the University of Colorado, her M.Sc. in Economics from the London School of Economics, and her Ph.D. in applied economics from Stanford University. Her research focuses on the environmental and equity dimensions of intensive food production. She has been involved in a number of field-level research projects throughout the world concerning issues of aquaculture production, high-input agricultural development, biotechnology, climate-induced yield variability, and food security. At Stanford, Naylor directs the Goldman Honors Program in Environmental Science, Technology and Policy; she is on the faculty for the new Interdisciplinary PhD Program in Environment and Resources (IPER); and she teaches courses on the World Food Economy and Sustainable Agriculture. Naylor was named Fellow in the Aldo Leopold Leadership Program in Environmental Sciences in 1999 and Pew Fellow in Conservation and the Environment in 1994.

### **Senator The Hon Ian Macdonald**

Senator Ian Macdonald is the Commonwealth Minister for Fisheries, Forestry & Conservation. He was first elected as a Liberal Senator for Queensland in 1990, and was re-elected in 1996 and 2001. In the second Howard Government, Senator Macdonald was the Minister for Regional Services, Territories and Local Government and prior to that

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was the Parliamentary Secretary to the Minister for the Environment. He was first sworn in as an Executive Councillor in November 1996. In Opposition, Senator Macdonald was at various times the Shadow Minister for Infrastructure, Local Government, the ACT, and Regional Development. He is currently a member of the Murray Darling Basin Ministerial Council, National Ocean's Ministerial Board, and the Natural Heritage Trust Ministerial Board. He chairs the Forest and Wood Products Council and is also a member of the Primary Industries Ministerial Council and the Natural Resource Management Ministerial Council. Senator Macdonald has served on many parliamentary committees including Chair of the Senate Finance and Public Administration Committee, the Joint Public Accounts Committee and Committees dealing with transport, communications, rural and regional matters and foreign affairs defence and trade, and territories.

### **Dr Peter Walker**

Professor Peter Walker is Head of Aquaculture and Aquatic Animal Health in CSIRO Livestock Industries, based at the Australian Animal Health Laboratory (AAHL) in Geelong. He also holds an Adjunct Chair in the Centre for Marine Studies at the University of Queensland. He has published more than 75 research papers and book chapters and is a member of the Editorial Board of several international virology journals. He has worked extensively in Asia and is a regular consultant to FAO and the Network of Aquaculture Centres Asia-Pacific (NACA) on issues relating to aquaculture and fish health management.

### **Mr Duncan Leadbitter**

Duncan Leadbitter joined the Marine Stewardship Council in November 2000 as International Fisheries Director and is now responsible for managing the MSC's Asia Pacific region. In this role he is involved in a substantial amount of outreach work, encouraging fisheries, the post harvest sector and consumers to become involved in the program and working with fisheries already at various stages of the certification process. Prior to joining the MSC, Leadbitter was the Executive Director of Ocean Watch Australia, a non-profit organisation that aims to protect and improve fish habitats and reduce the impacts of fishing. He has also worked for the fisheries agency in NSW as a habitat manager and in the private sector as an environmental consultant. Mr Leadbitter was the Deputy Director of the Australian Seafood Industry Council and held a number of positions on federal and state based natural resource advisory councils. With a background in the management of aquatic habitat and fishing impacts, Leadbitter has worked on marine protected areas, aquaculture assessments, habitat rehabilitation, pollution assessments, environmental education and bycatch management. He has also worked collaboratively with a variety of fishery stakeholders including industry, environment groups and government. He has written a number of published works on fisheries, coastal zone and habitat matters. He holds a Science Honours degree from the University of Sydney and a masters degree in Environmental Planning from Macquarie University.

### **Mr Peter Core**

Mr Peter Core is the Director of the Australian Centre for International Agricultural Research, a position he has held since July 2002. Mr Core has a long history in agriculture, initially with the OECD Agricultural Directorate in Paris and then with the Department of Primary Industries and Energy, rising to the position of Deputy Secretary in 1988 before accepting the CEO position with the Department of Industrial Relations in 1993. Mr Core moved across to head the Commonwealth Department of Transport in January 1995, a position he held until March 1996. During that period, he was a director of Airservices Australia and the Federal Airports Corporation. From May 1996 to June 2002, Mr Core was Managing Director of the Rural Industries Research and Development Corporation. Mr Core is a former board member of the Australian Wool Corporation (1984-89), the Australian Geological Survey Organisation Advisory Council (1989-93) and former chair of the Australian Animal Health Laboratory (1986-89) and the Snowy

Mountains Council (1989-93). He holds a Master of Economics and Bachelor of Rural Science from the University of New England.

### **Dr Mahfuzuddin Ahmed**

Dr Mahfuzuddin Ahmed is Principal Scientist (Fisheries Economist), Program Leader and Member of Senior Management Team of WorldFish Center. He leads the WorldFish research team responsible for research findings, which contribute to shaping fisheries policies in developing countries. His earlier career began in late 1970s as researcher and economics lecturer at the University of Chittagong (birthplace of “Grameen Bank”). Living in Southeast Asia since mid-1980s he worked for Mekong River Commission, DANIDA, Asian Development Bank and Centre for Integrated Rural Development for Asia and Pacific. Dr Ahmed is currently, the President of the International Institute for Fisheries Economics and Trade (IIFET). Also, a founding member of the board of governors of “Grameen” Fisheries Foundation, Dr Ahmed is currently scientific adviser to the International Foundation for Science and associate editor of Asian Fisheries Science. He received Dr Elvira Tan Memorial Award 2002 for his work on milkfish fry resources in the Philippines. He has recently co-authored a book on the future of fish entitled “Fish to 2020-Supply Demand in Changing Markets”.

### **Mr Barney Smith**

Mr Smith has been ACIAR’s Fisheries Program Manager for the past thirteen years, responsible for the direction of ACIAR’s activities in fisheries and oversight of a large suite of projects focused on Asia, Papua New Guinea, and the Pacific Islands. He spent much of his professional career in the Pacific Islands and Papua New Guinea, where he worked as a Fisheries Biologist, Principal Biologist and finally Chief Biologist for the PNG Department of Agriculture Stock and Fisheries. A decade spent working for the Secretariat for the Pacific Community (SPC) in New Caledonia followed, initially as Fisheries Adviser responsible for the coastal fisheries program and subsequently as Coordinator of all Secretariat activities in fisheries. He has an extensive background in the direction and administration of international technical aid programs at senior executive level, and wide experience with government, regional and international organisations and agencies in the Pacific Islands and Pacific rim counties, particularly Australia, New Zealand, the United States and Japan.

### **Professor Robert Kearney**

Bob Kearney is Emeritus Professor of Fisheries at the University of Canberra. He is currently Chairman of the Board of Trustees of the WorldFish Center, a member of the Research Committees of the Australia & Pacific Science Foundation and the Pacific Biological Foundation, and a member of the Threatened Species Scientific Committee of the Commonwealth Department of Environment and Heritage. He is the author of 150 scientific and technical papers and the recipient of more than 20 million dollars in research grants. His current research projects include modelling Australia’s fisheries production and consumption to 2050 and beyond, reducing conflict between recreational and commercial fishers, and developing realistic approaches to the use of marine protected areas for conservation and fisheries management purposes.

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