

Plenary 4: Our Future

Co-Moderator: Mr Sailoto Liveti (Tuvalu)



Sailoto Liveti recently acquired a Bachelor of Science degree with an extended major in Marine Biology at the University of Queensland (UQ). Sailoto aspires to apply his attained knowledge towards maintaining and refining climate adaptation strategies back in his island home of Tuvalu by both strengthening communication between the local community and governmental stakeholders, and by representing Tuvalu in international forums regarding environmental policies and sustainable practices. Acknowledging the importance of his objective throughout his studies, Sailoto increasingly became immersed within initiatives encompassing climate justice. Associated with non-for-profit organisations including 350 Pacific and Friends of the Earth, Sailoto has garnered numerous opportunities where he was able to employ his skills in a spectrum of roles ranging from participating in panels as a storyteller of his Tuvaluan people to actively involving himself in more escalatory movements such as co-leading the Indigenous contingent in the People's Climate Rally. Currently, Sailoto acts as the Committee Chair for the Brisbane Volunteer Committee of the Australian Marine Conservation Society (AMCS), where he undertakes primary correspondence between volunteers and campaigners involved with multiple campaigns including Fight for the Reef.

Co-Moderator: Ms Marie Dade (Australia)



Marie Dade is a PhD candidate at the University of Queensland (UQ). Her research focuses on understanding how the supply of ecosystem services will change, and which policy instruments can maintain the supply of multiple ecosystem services within the Brisbane region under future scenarios. Previously, Marie completed her undergraduate and Masters Degrees at the University of Western Australia where she majored in conservation biology and environmental management. This education open her eyes to the many environmental challenges that we are now facing, or will face in the near future. In particular, the challenge of ensuring the availability of ecosystem services to a rapidly increasing human population, while the health of many ecosystems are deteriorating. To help tackle this problem, Marie began her current position as a PhD student studying the management of ecosystem services. Furthermore, she has become actively involved in community outreach programs where she educates students on environmental concepts and challenges, to help the next generation develop the skills, interest and knowledge required to deal with these problems. Marie has also co-authored research papers and blog articles communicating her research, as well as presenting her research at a number of national and international conferences.

Prof Ian Lowe (Australia): Emeritus Professor of Science, Technology and Society at Griffith University



Prof. Lowe is Emeritus Professor of science, technology and society at Griffith University in Brisbane; and Adjunct Professor in science at Sunshine Coast University and in public health at Flinders University. He is a Fellow of the Australian Academy of Technology and Engineering. Prof. Lowe was made an Officer of the Order of Australia in 2001 for services to science and technology, especially in the area of environmental studies. He has received numerous awards for his work on sustainable futures and environmental science, such as: the International Academy of Science, Health and Ecology's Konrad Lorenz Gold Medal; a Centenary Medal; a Eureka Prize; a Prime Minister's Environment Award for Outstanding Individual Achievement; a Queensland Premier's Millennium Award for Excellence in Science; and a University of NSW Alumni Award. Prof. Lowe studied engineering and science at the University of NSW and earned his doctorate in physics from the University of York. He was awarded the degree of Doctor of the University by Griffith University, and also from Sunshine Coast University. He is (co)author of 10 Open University books, 12 other books, more than 50 book chapters and over 800 other publications or conference papers. Previously he was a member of Australia's National Energy Research, Development and Demonstration Council; Director of the Commission for the Future in 1988; a member of the Radiation Health and Safety Advisory Council; a member of the Expert Advisory Committee to the South Australia Nuclear Royal Commission; a member of the Queensland Premier's Climate Change Council; and a member of the National Commission for UNESCO. Prof. Lowe has been a referee for the IPCC and was a member of the Australian delegation to the 1999 UNESCO World Conference on Science. He was on the steering group for the UNEP Global Environmental Outlook and a referee for both the International Geosphere-Biosphere Program's 2004 book on planetary science and the 2005 Millennium Assessment Report. He also recently refereed the UNEP project on Resource Efficiency and Economic Development in the Asia-Pacific Region. He was an invited participant in the World Economic Forum's 2008 Summit on the Global Agenda in Dubai.

Prof Kerrie Wilson (Australia): Director, ARC Centre of Excellence for Environmental Decisions, University of Queensland



Associate Professor Kerrie Wilson is an Australian Research Council (ARC) Future Fellow at The University of Queensland (UQ), Chief Investigator of the ARC Centre of Excellence for Environmental Decisions, the Deputy Director of the UQ Centre for Biodiversity and Conservation Science and an Affiliated Professor in Conservation Science at The University of Copenhagen. Kerrie holds a degree in Environmental Science (First Class Honours, awarded in 1999) from UQ and a Doctor of Philosophy from The University of Melbourne in 2004 undertaken in collaboration with the UNEP – World Conservation Monitoring Centre located in Cambridge. Kerrie has previously held leadership positions with non-government organisations including Director of Conservation for The Nature Conservancy Australia. She has a particular interest in applied conservation resource allocation problems, such as where to invest

limited resources to protect or restore biodiversity and the role of ecosystem services in achieving conservation goals. Her research has been published in high impact journals such as Nature and Science and involves collaborations with governmental and NGOs at local, national and global levels. She teaches in Conservation Biology and Climate Change courses at UQ, supervises an amazing team of research higher degree students, and is an Associate Editor of Ecological Applications and Ecography. Kerrie has received numerous national awards, including two ARC Research Fellowships, an Australian Museum Eureka Prize for Outstanding Young Researcher, The HG Andrewartha Medal, the SCOPUS Young Researcher Award for the Life and Biological Sciences and the Women in Technology Life Sciences Research Award.

Ms Tui Aroha Warmenhoven (Aotearoa /New Zealand): Director, Te Runanganui o Ngati Porou



Tui is a trained lawyer and Environmental Commissioner. She is director for Te Runanganui o Ngati Porou, a tribal post settlement governance entity of the East Coast of the North Island, New Zealand. Some of her tribal portfolios include forestry estate, Conservation lands, natural resources and environmental management including fresh water, customary fisheries and the Waiapu Catchment. From 2006-2009 Tui participated in various international fora as an indigenous representative for Oceania on Agrarian reform and rural development; the Global Consultation for Indigenous Peoples on the Right to Food, Food Security and Food Sovereignty; and the International Experts seminar on Indicators Relevant to indigenous peoples, the Convention on Biological Diversity and the Millennium Development Goals. Tui works as a Maori researcher specialising in the integration of science and cultural knowledge currently working on 'Integrating Maori knowledge with science climate change scenarios', 'Natural Hazard Preparedness for East Coast Communities' and 'Adaptive Governance and Supported Environmental Decision Making', with Crown Research Institutes such as SCION Forest Research, GNS (GeoNuclear Sciences) and Manaaki Whenua Landcare Research. She recently returned from the Agam District, Indonesia participating in a cross cultural study with a group of GNS scientists and Maori studying Indonesian communities 'Awareness and Preparedness for Natural Hazards'.

Prof Patrick Nunn (Australia): Professor of Geography, University of the Sunshine Coast



Patrick Nunn is Professor of Geography at the University of the Sunshine Coast. He has researched climate change for more than thirty years, mostly within the Pacific Islands region, and has been active within the Intergovernmental Panel on Climate Change (IPCC) for much of that time. He was a co-recipient of its 2007 Nobel Peace Prize, and a Lead Author of the most recent Assessment Report in which he worked on the chapter on "Sea Level Change". The author of several books and some 250 peer-reviewed publications, he is passionate about communicating positive, proper and practical information about climate change.