



EIANZ ANNUAL CONFERENCE PROGRAM

Tu Kaha: Stand Tall
Fronting up with wicked solutions

29 Oct - 1 Nov 2017 | Te Papa, Wellington | New Zealand



Environment Institute
of Australia and
New Zealand Inc.





Welcome to the 2017 EIANZ Annual Conference

Tu Kaha: Stand Tall. This is a milestone year for EIANZ - our 30th Anniversary year- and our conference theme, challenges us to stand tall.

We can stand tall because our efforts across 30 years has made a real difference around the world, within our region and across Australia and New Zealand - creating better and more sustainable places.

However, we must continue to stand tall because our work is not yet done. Wicked problems abound, and as a profession we have our work cut out. Wicked problems need wicked solutions and so our conference theme challenges us to front up with these solutions.

And what is a wicked solution? Like their problem counterpart, wicked solutions reflect the complexities of our world and of the environmental issues we face. They respond to the interconnected nature of environmental, social and economic factors. They are more nuanced, sophisticated and systemic than their often more simple predecessors.

While our 2017 Annual Conference will reflect on the contribution of EIANZ across 30 years, it will also generate the new tools and solutions – the wicked solutions – to solve the increasingly complex problems before us.

On behalf of EIANZ, I thank you for your support of this important Institute initiative, and once again welcome you to our 2017 Annual Conference.

Michael Chilcott
Michael Chilcott FEIANZ CEnvP
President, EIANZ



Keynote speakers



Steven Carden

Steven Carden is the CEO of New Zealand's largest farming company, Pāmu Farms of NZ (Landcorp). He chairs MPI's Primary Industry Chief Executive's Forum on Animal Welfare, and is a director of Spring Sheep Milk Company, Milk New Zealand and the Agriculture Leaders' Health and Safety Action Group. Prior to becoming CEO of Landcorp in August 2013, Steven was General Manager of Australia's largest pasture seed company, PGG Wrightson Seeds. Before that he worked at McKinsey & Company, the global management consulting firm, in New York and Auckland.

He is the founder of the First Foundation in 1998, a program that helps talented but financially disadvantaged secondary school students successfully complete university through workplace scholarships. He is the author of "NZ Unleashed", published by Random House in 2007. He holds an LLB and BA from Auckland University, and an MBA from Harvard Business School.



Simon Upton

Until recently, Simon Upton has been the Environment Director at the Organisation for Economic Co-operation and Development (OECD). From October this year he will take on the role of New Zealand's Parliamentary Commissioner for the Environment.

Simon is a former New Zealand parliamentarian whose political career between 1981 and 2000, included nine years as a Minister. His portfolios included Environment, Research, Biosecurity, Health and State Services.

As Environment Minister he chaired the 7th Session of the UN Commission on Sustainable Development and the 1998 meeting of OECD Environment Ministers.

Between his retirement from political life in 2000 and taking up his present role at the OECD, Simon combined his chairmanship of the Round Table on Sustainable Development at the OECD with a variety of private sector roles in New Zealand.

He is a member of the China Council for International Cooperation on Environment & Development, a Fellow of the Royal New Zealand Society and a Rhodes Scholar with degrees in English literature, music and law from the University of Auckland and an MLitt in political philosophy from Oxford University.



Distinguished Professor Dame Anne Salmond

Anne Salmond is a Distinguished Professor in Maori Studies and Anthropology at the University of Auckland. In 2013 she won the Rutherford Medal, New Zealand's top scientific award, and became the New Zealander of the Year.

She is a Foreign Associate of the National Academy of Sciences in the US, Corresponding Fellow of the British Academy, and Foreign Member of the American Philosophical Society. As part of her scholarly work, Dame Anne has developed a strong interest in Enlightenment natural history and Maori and Pacific philosophies relating to land and sea, bringing these together with aspects of cutting edge science to reflect upon environmental questions.

Dame Anne has a long-standing practical interest in environmental projects. A former Deputy Chair of the Parks and Wilderness Trust in Auckland, she is Patron of the Whinray Kiwi Trust, the National Whale Museum, the Great Barrier Island Trust, the Te Awaroa Foundation for rivers restoration, Chairperson of the Longbush Eco Trust and co-founder of the Longbush Ecosanctuary in Gisborne.



Future Crunch

Future Crunch are part of a global movement of scientists, technologists, hackers and creatives that think there are new and better ways of doing things in the 21st century. Their expertise ranges from politics, economics, and bioinformatics to design, art and music. They use their diverse knowledge to provide unexpected perspectives on the world, through the lenses of science, technology and social theory. Their mission is to foster intelligent, optimistic thinking about the future, and to empower people to contribute to it.

We're joined by their co-founders, Dr Angus Hervey and Tane Hunter.

Angus is a political economist, journalist and media commentator specialising in the impact of disruptive technologies on society. He is the former community manager for Random Hacks of Kindness, the longest running and largest social hackathon in Australia, and the former editor of Global Policy, one of the world's leading international policy journals. He holds a Masters in Political Economy and a PhD in Government from the London School of Economics, where he was also the Ralph Miliband Scholar between 2009 and 2012.

Tane is a science communicator, futurist and bioinformatician. He has worked for the Royal Children's Hospital diagnosing rare genetic diseases in children and is currently completing his PhD at the Peter MacCallum Cancer Centre in Melbourne, using molecular biomarkers and artificial intelligence to better understand, diagnose and improve treatment for people suffering from cancer. He is also a former US mountain biking champion, and an avid sailor, participating in races around the world.

Conference program

Monday 30 October 2017

MORNING SESSIONS

8:15 am	REGISTRATION		
8:45 am	WELCOME AND CONFERENCE OPEN Michael Chilcott FEIANZ CEnvP, EIANZ President		
9:00 am	WELCOME TO WELLINGTON Chris Laidlaw, Chair of the Greater Wellington Regional Council		
9:15 am	KEYNOTE PRESENTATION Distinguished Professor Dame Anne Salmond		
10:00 am	KEYNOTE PRESENTATION Steven Carden		
10:45 am	MORNING TEA		
11:15 am - 1:00 pm	MORNING CONCURRENT SESSIONS		
	CHANGING BEHAVIOUR	STRATEGIC THINKING	BUILDING RESILIENCE
11:15 am	What motivates environmental behaviour change Lana Assaf MEIANZ	The evolution of industrial ecology in Australia and designing policy for the future Sarah Bray MEIANZ	Wellington Resilience Strategy: Sustainability, resilience or both? Marta Karlik-Neale
11:35 am	Life cycle-based environmental management of food-related waste in a student dining hall Sarah Sandilands	The tension between natural justice and project delivery: Integrating environmental approvals to achieve better outcomes Erin Pears MEIANZ & Mathew Peel MEIANZ	Implementing change to enhance resilience: Where are the new ways forward? Stephanie Brown MEIANZ CEnvP
11:55 am	Land use zoning response to climate change Helen Monks MEIANZ CEnvP	Wetlands for people and place: Developing a blueprint for ecosystem service restoration in wetlands Stephanie Tomscha	Insurance industry and local government: Collaborating to address insurance affordability and increase community resilience Tom Davies MEIANZ
12:15 pm	Communication and connectedness is key Carly Cushman	Cultural water in south-east Australia: The challenges of translation and implementation Kasey Robb MEIANZ & Ilya Berelov	Phosphorus and biodynamic farming Suzanne Little FEIANZ
12:35 pm	Changing our own behaviour: How are the ethics of professionals constructed and perceived? Alan Chenoweth FEIANZ CEnvP	The value of community values assessments in transport projects Rebekah Pokura-Ward MEIANZ	Building resilience on Tamaiku Bight, Tarawa, Kiribati Simon Liddell

Monday 30 October 2017

AFTERNOON SESSIONS

1:00 pm	LUNCH		
2:00 pm - 3:30 pm	AFTERNOON CONCURRENT SESSIONS		
	CHANGING BEHAVIOUR	STRATEGIC THINKING	COMMUNICATING SCIENCE
2:00 pm	Te Awa Tupua: The Whanganui River as a Legal Person Gerrard Albert & Dr Nic Peet	Structured decision making in the Great Barrier Reef Peter Hemphill MEIANZ	More facts or living the experience? Jane Munday
2:20 pm		Ensuring good environmental outcomes from major infrastructure projects through an interdisciplinary approach across the project development cycle Kevin Roberts MEIANZ	Another way to look at vehicle emissions Rob Hannaby MEIANZ CEnvP
2:40 pm	Games and knowledge broking to change decision behaviours Judy Lawrence	Making sustainability operational: The application of failure pathways and sustainability strategies Bryan Jenkins FEIANZ	Information to impact: Effectively communicating science to save the oceans Jolisa Brooks & Gyan de Silva
3:00pm	Behaviour change starting young Te Kawa Robb	SEA: Getting back to basics Carolyn Cameron MEIANZ	Exploring stock access: Perspectives on framing the problem and solutions Kristy McGregor
3:20pm	Summing up	Summing up	Summing up
3:30 pm	AFTERNOON TEA		
4:00 pm	State and benefit: Reforming environmental reporting in Victoria Gillian Sparkes MEIANZ		
4:30 pm	PLENARY		
5:00 pm	CONFERENCE DAY ONE CLOSE		
6:30pm	GALA DINNER AND EIANZ MERIT AWARDS The Boatshed		

Conference program

Tuesday 31 October 2017

MORNING SESSIONS

8:00 am	EIANZ ANNUAL GENERAL MEETING			
9:20 am	KEYNOTE PRESENTATION Simon Upton			
10:00 am	KEYNOTE PRESENTATION Future Crunch			
10:45 am	MORNING TEA			
11:15 am - 1:00 pm	MORNING CONCURRENT SESSIONS			
	COMMERCIAL SECTOR INVOLVEMENT FOR GOOD ENVIRONMENTAL OUTCOMES	EFFECTIVE MONITORING & MEASURING	TEAMING UP	STRATEGIC THINKING
11:15 am	Mayday, mayday, mayday: Calling all businesses Geoff Ensor	Do environmental rating schemes capture climate goals? Saphira Rekker	Waipoua: A place with its own management style David Greig MEIANZ CEnvP	Strategic thinking: Going beyond project level impact assessment Richard Morgan, Lachlan Wilkinson FEIANZ CEnvP, Claire Gronow FEIANZ CEnvP, Nick Taylor, Carolyn Cameron MEIANZ
11:35 am	Size doesn't matter Laurie Foon & Samantha Jones	Local leadership targeting global issues Maurice Marquardt MEIANZ	Isolated heritage and the environment: Preservation collaborations Susanne Rawson	
11:55am	Sustainability through collaboration: A controlled cross-sector study of collaboration for sustainability in Australian Manufacturing Suzanne Orme MEIANZ	An absolute sustainability assessment method for estimating environmental impact reduction targets: A case study of the New Zealand agricultural sector Chanjief Chandrakumar	Aboriginal heritage as ecological proxy in south-eastern Australia: A Barapa wetland case study Colin Pardoe	OPEN DISCUSSION LED BY RICHARD MORGAN
12:15 pm	Commercial sector involvement responding to climate change Michael Bidwell	State and benefit: Emerging trends in environmental reporting Scott Rawlings MEIANZ	Shark finning in the Galapagos Marine Reserve Daniela Cox	
12:35 pm	Audited self-management: A more effective approach to improve compliance Bryan Jenkins FEIANZ	Biodiversity offsets in New Zealand: How should we measure their effectiveness? Jamie Steer MEIANZ	Seed banking by design: The New Zealand Indigenous flora seed bank Kate Nolan	
1:00pm	LUNCH			

Tuesday 31 October 2017

AFTERNOON SESSIONS

2:00 pm - 3:30 pm	AFTERNOON CONCURRENT SESSIONS		
	COMMERCIAL SECTOR INVOLVEMENT FOR GOOD ENVIRONMENTAL OUTCOMES	EFFECTIVE MONITORING & MEASURING	TEAMING UP
2:00 pm	The consequences of an innovative, water quality policy Anne Spicer	Preloading for the future: Establishing mitigation success for intra and inter-generational expectations Ian Boothroyd MEIANZ CEnvP	Agents of change Nick Pattison
2:20 pm	Climate change and biodiversity mitigation through rural subdivision Mark Bellingham MEIANZ CEnvP	Priceless heritage assets? Finding common ground between economics and science in the measurement of value in transport projects Ann Neill	Knowledge Sharing Innovations: Breaking down commercial sensitivities and fostering environmental awareness and compliance James Skurupey MEIANZ CEnvP
2:40 pm	A tale of two critters: Commercial sector solutions for threatened species management Mark Breitfuss MEIANZ CEnvP	Are we monitoring in the dark? Fiona Davies MEIANZ	A tipping point for action Helen Lane
3:00pm	The Forest Stewardship Council: An example of how the private sector can manage natural resources in a responsible way Cyrielle Durand	Issues and challenges for addressing uncertainty in IA practice Claire Gronow FEIANZ CEnvP	Teaming up with communities-of-place: The solution to ecological achievement? Chris Ferkins MEIANZ & Stephen Gee
3:20 pm	Summing up	Summing up	Summing up
3:30pm	AFTERNOON TEA		
4:00 pm	PLENARY		
4:45 pm	CLOSING REMARKS AND INVITATION TO 2018 EIANZ CONFERENCE		
5:00 pm	CONFERENCE DAY TWO CLOSE		
5:45 pm	PUB QUIZ Mac's Function Centre, Mac's Brew Bar		



Wednesday 1 November 2017

8:30 am - 4:30 pm

Stay an extra day and learn more about environmental practice in Wellington. With five field trips to choose from, there's something for everyone.

FIELD TRIP 1 | KAPITI EXPRESSWAY – MITIGATING AND MONITORING ENVIRONMENTAL EFFECTS

A tour of the newly opened expressway as an example of the Resource Management Act process in New Zealand.

The newly opened Kapiti Expressway will give you an on the ground look at New Zealand's Resource Management Act in action within the context of a major roading project. Covering all aspects of the resource management process, from initial impact assessment measures to implementation of consent conditions and the monitoring of mitigation success. The impacts considered included ecological, economic, social and cultural issues. This field trip will focus on effective monitoring and measuring throughout each stage of the project (pre-works assessment measures, during works adaptive monitoring and post works success monitoring). It will also focus on the commercial sector involvement for good environmental outcomes through teaming up with a variety of disciplines and community members.

FIELD TRIP 2 | WEAVING INDIGENOUS BIODIVERSITY INTO THE FABRIC OF A CITY

A tour of Wellington's hilltops, south coast and special places, focusing on biodiversity protection and recovery and community engagement.

Where else on earth can you see such a dynamic, evolving, intimate, and creative relationship between citizens and nature? We will visit places where natural processes and indigenous biodiversity share space with development and cultural activity. What does our history in this place teach us about possible futures? How have we adapted to this place and how are humans evolving a creative relationship with the natural world?

The field trip will explore some of the practical implications of the conference themes, explore some of the 'so what?' questions.



FIELD TRIP 3 | BUILT HERITAGE AND RESILIENCE - YOU CAN HAVE BOTH

A tour of heritage and early settlement sites in Wellington City.

As the capital city since 1865, Wellington has a wide range of heritage buildings and early settlement sites – both Maori and Pakeha – some of which are of national significance. At the same time, Wellington is particularly susceptible to earthquakes and sea level rise. Protecting Wellington's heritage buildings and historic sites has required innovative approaches and the adoption of ground-breaking technologies. Both Wellington City Council and Heritage New Zealand have been active in working with heritage architects and other experts as well as property developers to protect Wellington's heritage buildings without compromising their resilience to natural hazards. This field trip will be of interest to members of EIANZ's newly formed Heritage Special Interest Section.

FIELD TRIP 4 | INTEGRATED CATCHMENT AND ESTUARINE MANAGEMENT AT PORIRUA HARBOUR

A scenic tour of key locations round the Porirua Harbour and catchment focusing on aspects challenging restoration of a healthy estuary.

Estuaries are one of the most at risk ecosystems in the world. Porirua Harbour is an interesting mix of the three key threats to such systems: sedimentation, contamination and ecological restoration. An award-winning, multi-disciplinary, multi-agency strategy has been developed by councils in partnership with iwi (tribe) and local community. Here are learning opportunities about community engagement, strategy development, strategy implementation, the essential interface between science and management, urban versus rural, storm water and wastewater, community education, governance issues, local government dynamics and catchment management. All of this in a beautiful hills to sea setting (especially on a good day!) with plenty of opportunity for great photos. The field trip will explore some of the ecological, economic, cultural and social implications of the conference theme.

FIELD TRIP 5 | RESILIENCE AND BEHAVIOUR IN THE REAL WORLD

Come and explore the research that is being done with government, businesses and communities to build resilience to natural hazards and improve the liveability of cities.

The Opus Research team comprises engineers, chemists, physicists, materials scientists, environmental scientists, geographers and behavioural scientists who work with government, businesses and communities to build resilience to natural hazards and improve the liveability of cities.

The conference themes fit nicely with the work they do and in particular large scale research projects that are on the go at the moment.





Welcome Reception & Gallipoli Exhibition

Welcome function | 5:30 pm - 7:00 pm, 29 October 2017
 Delegate tour of Gallipoli Exhibition | 7:00 pm - 8:00 pm, 29 October 2017
 Te Papa | 55 Cable Street, Te Aro, Wellington

Meet conference delegates for drinks, canapes and conversation at the Welcome Reception. Following the reception, delegates are invited to attend a free one-hour tour of the Gallipoli exhibition at Te Papa. The Gallipoli exhibition is an exhibition like no other. It tells the story of this terrible battle when 2,800 Kiwis and 8,700 Aussies lost their lives. Their story is told through the eyes of eight Kiwis, depicted on a monumental scale – 2.4 times human size.



Gala Dinner & EIANZ Merit Awards

6:30 pm - 10:30 pm, 30 October 2017
 The Boatshed | Taranaki Wharf, Wellington

The Gala Dinner and EIANZ Merit Awards is always a fantastic evening, this year will be even more so with a celebration of the Institute's 30th anniversary. It will be held at the Boatshed, a heritage building in the heart of the Wellington waterfront with panoramic views of Wellington City and the harbour. The EIANZ Merit Awards will be presented during the evening, recognising members who have made an outstanding contribution to the environment profession. Entertainment for the evening will be provided by Te Radar, one of New Zealand's most recognised comedians and personalities.



TE RADAR | ENTERTAINER

Te Radar is a satirist, documentary maker, writer, stage and screen director, failed gardener and amateur historian. A regular satirist on Radio NZ for more than a decade, he's presented several top rating TVNZ documentary series, winning Film and Television Awards for three of them. In 'Off the Radar', a 13 part TV series about sustainable living, he spent 10 months attempting to subsist off a small allocation of land. He's won two Qantas Media awards for his NZ Herald columns, and is the recipient of the country's highest comedy accolades.



Students & Early Careers Congress

9:00 am - 4:30 pm, 29 October 2017
 NZ Post House | 7 Waterloo Quay, Wellington
 \$10 EIANZ members, \$50 non members

This full day of professional development is targeted at environmental students and early career practitioners. Hear the latest in environmental practice from experts, develop key professional skills through interactive workshops and build your network of contacts. The day will also include advice on CV writing and an afternoon field trip. A must for any emerging environmental professional.



Post Conference Pub Quiz

5:45 pm - 8:30 pm, 31 October 2017
 Mac's Brew Bar | 4 Taranaki Street, Wellington

Relax and recover from the conference by attending the EIANZ Pub Quiz! Test your knowledge of music, news, culture, entertainment, environment, sport and more. This event will be held at Mac's Brew Bar - just one minute's walk from Te Papa on Wellington's beautiful waterfront. First question at 6:00pm. No need to form a team. We will make that happen on the night!

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PHOTO CREDITS

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