

**Adaptive governance for
Transformational Change:
A toolkit for action**

**06 September 2018
Wellington**



Forum aims

- (1) Build capacity on the application of tools for adaptive governance implementation.
- (2) Build a network to take advantage of lessons learned for current and future projects dealing with 'wicked problems' including environmental decision making, education, health, housing, business, etc.

PROGRAMME		
RH105, Rutherford House, Pipitea campus, Victoria University of Wellington		
Welcome, overview and panel discussion		
9:30	Registrations. Coffee and tea on arrival	
9:50	Welcome & overview of the forum	MC/Facilitator: Alyson Howell Holden Hohaia, Manaaki Whenua
10:10	Adaptive governance, adaptive management and anticipatory governance – clarifying concepts	Dr Sandra Velarde, Scion
10:30	Resilience, Adaptation Pathways and Transformation Assessment framework	Dr Deborah O'Connell, CSIRO, Australia
10:50	Working in partnership with Maori: 'Weaving the Korowai of Papatūānuku' programme	Pia Pohatu, He Oranga mo Nga Uri Tuku Iho Trust, Ngāti Porou
11:10	Interactive panel discussion	Alyson Howell
12:00	Networking lunch	
A toolkit for action workshop: Scaling up and out adaptive governance		
12:45	Special talk: Reconnecting and empowering identities	Taaniko and Vienna Nordstrom, Soldiers Rd. Portraits
1:00	Tool 1: Catchment 2030: Tackling wicked problems <i>Games/role-playing simulations</i> <ul style="list-style-type: none"> - Methodology overview and objectives - Ground rules - Playing the game - Debrief 	Game master: Dr Peter Edwards Support team: Lisa Wallace, Lania Holt
3:00	Afternoon tea	
3:20	Tool 2: Social network analysis: Building social capital <ul style="list-style-type: none"> - Methodology overview and objectives - Social network exercise - Debrief and reflections 	Dr Barbara King
4:00	Tool 3: Monitoring and evaluation: Rigour in uncertain outcomes <ul style="list-style-type: none"> - Importance of evaluation - Four generations view (100-year M&E framework) - Evaluation of the day 	Andrew Dunningham, Scion Dr Neels Botha
4:30	Synthesis and closing: Next steps and farewell	Dr Sandra Velarde, Scion Holden Hohaia, Manaaki Whenua



Contact information

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Why a forum on adaptive governance?

Erosion, freshwater pollution, pests and other environmental problems are complicated, multidimensional, and often long term and slow-burning. We argue that traditional approaches to solving environmental issues are not working.

Three years ago, we set ourselves the ambitious goals of changing the way New Zealanders think about and act on environmental problems. We developed a toolkit to help make progress toward the long term goals of 'healthy land, healthy rivers, healthy people' as part of the "Weaving the Korowai of Papatūānuku - Adaptive governance and enhanced decision-making" research programme. This programme is a partnership between Scion and He Oranga mo Nga Uri Tuku Iho Trust in Ruatorea, East Coast.

We test a series of adaptive governance tools for environmental problem-solving using the example of a severe erosion problem on the East Coast but applicable to other problems such as biosecurity risks, freshwater management, health, education and housing, and in general to how people and agencies operate. This research programme ends in September 2018 and we are sharing a toolkit and lessons in this forum.

What is this forum about?

We would like to share the tools and lessons learnt from the programme, invite your input and identify collaboration opportunities across institutions and sectors for follow up activities. In this forum we will learn from and workshop about:

- 'Catchment 2030' – Serious games to address wicked problems
- Social networks to build social capital, identify and help leverage leaders and influencers
- Frameworks to monitor progress and change for long term environmental issues.

Who is this forum for?

NGOs, iwi, kaitiaki, grassroots organisations, community researchers, planners, local government and central government learning and development specialists who are motivated to scale up lessons, use and adapt our tools.

Please join us for this learning and sharing day in Wellington and share the invitation across your networks.

See the 2017 National Forum webpage: <https://www.scionresearch.com/about-us/news-and-events/events/past-events/national-forum-adaptive-governance-and-approaches-to-navigate-without-sinking-wicked-problems>

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REGISTER HERE: <https://www.eventbrite.com.au/e/national-forum-adaptive-governance-for-transformational-change-registration-48355226785>



Keynote Speakers



Dr Deborah O'Connell is a member of the Climate Risks and Resilience Group at CSIRO Land and Water based in Canberra, Australia. She leads global research in the areas of resilience, adaptation pathways and transformation of social-ecological systems. She has a strong interest in designing and applying contemporary scientific and engagement approaches to complex, real world problems. She takes a systems approach and enjoys working with people to build strong connections between scientists; those who make decisions in business, government and NGOs; and the communities that care about the issues at stake. She has a creative approach to collaboration and co-production of knowledge, and embraces the arts and humanities as critical ways to improve the relevance and impact of science.



Pia Pohatu. Ko Hikurangi te maunga, Ko Waiapu te awa, ko Ngati Porou te iwi. Pia has a background in Resource & Environmental Planning and for the past 20 years has led and supported a range of Maori community-based research that promotes kaitiakitanga (Maori sustainable resource management) and seeks to integrate science and cultural knowledge for catchment management and planning in the Waiapu Catchment. Current research projects include 'Adaptive Governance and Supported Environmental Decision-Making', Scion, 'Testing the NZ ETS to facilitate native forest regeneration on Maori Land', Motu, Te Kura o Morearea - Natural Hazards School, GNS, Freshwater Co-management in Te Tairāwhiti, Cawthron Institute Vision Mātauranga partner, and Climate Resilient Maori Land, Manaaki Whenua - Landcare Research. Pia works with/in her local community of Ruatōrea and across whānau, marae, local schools, and hapu entities to sustain our inter-generational relationship with collectively-owned lands and waters. Kaitiakitanga and sustainable development initiatives that enable our local livelihoods and community ways of life are important kaupapa to her.



Dr Sandra Velarde is Associate Research Leader at Scion, managing the environmental economics and governance research portfolios. Her research is trans-disciplinary in the areas of adaptive governance, urban green spaces, ecosystem services assessment, indigenous forestry, and biofuels, focusing on enhancing environmental decision making and the inclusion of cultural values in the assessment of ecosystem services. Sandra holds a PhD in Environmental Management and Development from the Crawford School of Public Policy at the Australian National University, a MSc in Ecological Economics, University of Edinburgh, and BSc Forest Sciences, UNALM, Peru. Previously she led research and capacity building projects with: FAO, World Agroforestry Centre, the Millennium Ecosystem Assessment, The World Bank-Forest Carbon Partnership Facility and the International Centre for Tropical Agriculture. She is the technical leader of MBIE funded 'Weaving the Korowai' programme.



Special guests

Taaniko Nordstrom and Vienna Nordstrom – Soldiers Rd Portraits.

Not many brands are brave enough to recreate history using stencils and musket props to promote their vintage portraiture experience... but sisters-in-law Taaniko and Vienna Nordstrom of Soldiers Rd Portraits aren't afraid to be creative with a cultural twist. Taking their portraiture brand around the world since their start in 2013, Taaniko and Vienna discovered that promoting cultural identity really inspired customers to grow from indigenous exchanges and connections. Passionately Maori, these cultural ambassadors have a social initiative with Maori prisoners that aims to reduce recidivism through portraiture and cultural identity. Soldiers Rd provides memorable experiences from portraits, tourism promotion, to workshops and public speaking. Follow their work on <http://soldiersrd.nz> and Facebook.



Workshop facilitators and project team

Tim Barnard is a social scientist specialising in policy analysis, environmental planning and community engagement. He represents New Zealand on the Technical Advisory Committee of the Montreal Process. Tim Barnard has been a research leader, working alongside agency and Iwi partners in the Waiapu Catchment for more than a decade, contributing to 'Restoring the Waiapu River catchment' programme in the Gisborne district. This programme is a collaborative programme between MPI, Te Runanganui O Ngāti Porou, and the Gisborne District Council. Tim was lead researcher in the Primary Innovations MBIE funded programme, working alongside a community of practice of sector champions to design systemic interventions to support innovation. He holds a MA in Environmental Planning and a BA (Honours) in geography from the University of Nottingham, UK, and is an affiliate Member of the New Zealand Planning Institute. Tim is the project leader of MBIE funded 'Weaving the Korowai' programme.



Dr Peter Edwards is Scion's first Political Scientist. He has a background in forest ecology and a PhD in Political Science and Sociology from Griffith University. He has worked extensively on forest policy and governance in Europe and transnationally before coming to New Zealand. He has continued to work on forest policy and governance issues and has also been investigating the concept of Social Licence to Operate in several sectors (forestry, agriculture and marine) in New Zealand and other countries. Peter leads the adaptive governance stream of the MBIE funded 'Weaving the Korowai' programme.



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Dr Barbara King is a social researcher and works with organisations and communities to support understanding about social interactions in their specified context. Dr King uses social network analysis and qualitative methods together to map how and why resources are, and can be, shared. She holds a PhD in from the University of Melbourne, a Master of Social Science (Honours) and a Postgraduate Diploma in Public Policy, University of Waikato, and Bachelor of Horticulture Science (Honours), Massey University. Dr King was involved in horticulture extension and tech transfer and worked mainly with kiwifruit and avocado growers in Bay of Plenty and Northland.



Andrew Dunningham leads projects in climate change decision making and innovation systems thinking to improve technology uptake through social learning. Recent projects include: Primary Innovation MBIE programme and the evaluation of the Sustainable Land Management and Climate Change (SLMACC) Research Programme. Andrew brings a multidisciplinary background in Geomatics and land cover mapping, climate change risk assessment and education. He holds a Postgraduate Diploma in Science Education, Waikato University and a bachelor in Commerce, Management Information Systems, Auckland University. He co-leads the component on 'Monitoring and Evaluation' of 'Weaving the Korowai' programme.



Lisa Sharma-Wallace is a social scientist at Scion with a background in geography and environmental justice. Lisa is the lead author of a recently published systematic review on adaptive governance principles. She leads the workstream on 'Building and bonding social capital' in the 'Weaving the Korowai' programme and is currently working on a framework for environmental justice and ecosystem services assessment to apply to urban environments. Lisa holds a Master degree in Environmental Studies at York University, Canada, and a Bachelor's degree in Economics.



Lania Holt is a forestry scientist at Scion. Her research interests are in sustainable human-nature relationships, complex forest production systems, and change management. Her current agroforestry research integrates pine forestry with *Gevuina avellana* - a native Chilean hardwood nut-tree, and forestry-based tourism – seeking to understand the operational, environmental and economic business case. Prior to undertaking forest research Lania was a commercial forest manager with experience in forest operations and resource valuation. Lania is an owner-director of a technology company and a consulting business focused on Maoriland relationships. She has contributed to the development of games/simulations at 'Weaving the Korowai'. Lania holds a Bachelor's degree in Forestry Science with honours, and a Master of Management (Business) degree with distinction.



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Tui Warmenhoven is a trained lawyer and Environmental Commissioner. She is director for Te Runanganui o Ngati Porou and trustee at He Oranga mo Nga Uri Tuku Iho Trust. Her portfolios include forestry estate, conservation lands, natural resources and environmental management including fresh water, customary fisheries and the Waiapu Catchment. Tui has participated in various international fora as an indigenous representative such as the Oceania Ecosystem Services Forum in 2017; 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 specialises in the integration of science and cultural knowledge. Together with Pia Pohatu, they run He Oranga mo Nga Uri Tuku Iho Trust in Ruatorea, East Coast.



Dr Neels Botha is an independent social researcher. Neels studies agricultural innovation systems, farmer behaviour and decision-making, resilience, farmer mental health and evaluate extension and other intervention projects and programs. Over the years he has consulted for a range of organisations in Southern Africa, Uruguay, Australia and New Zealand on extension system organisation, research communication and impact evaluation. Neels has a PhD in Agricultural Extension and Rural Development and a Bachelor's degree in Agricultural Science, Honours and Masters Degrees in Extension at The University of Pretoria.



Jeff Coutts is the Director of Coutts J & R Pty Ltd. Dr Coutts has reviewed and evaluated many rural, agricultural and regional projects and programs, runs evaluation training at post-graduate level as well as short courses and is increasingly being sought as an evaluation mentor for project and program teams. He works with national research and development and funding organisations to develop monitoring and evaluation systems to provide effective reporting to government and stakeholders. He has Masters in Agricultural Knowledge Systems (with Distinction) and a PhD in Agriculture and Environmental Science from the then Wageningen Agricultural University (now University of Wageningen), the Netherlands. He co-leads the component on 'Monitoring and Evaluation' of 'Weaving the Korowai' programme.



Alyson Howell is an independent facilitator, trainer and coach, with a wide range of experience in learning and development in the health and science sector. Alyson enjoys helping teams and individuals develop. She has held senior organisational development roles at ACC, Scion, The Mills Group and Tauranga hospital, working with multicultural and multidisciplinary teams.

