

Name: _____



nzaia
nga aho tapu

NEW ZEALAND ASSOCIATION FOR IMPACT ASSESSMENT

**Strategic Environmental Assessment in New Zealand:
Enhancing Policies and Plans**

8–9 December 2016
Lincoln University, Christchurch

IAIA

Lincoln University
Te Whare Wānanga o Aoraki
AOTEAROA • NEW ZEALAND
New Zealand's specialist land-based university

Conference Programme



About NZAIA

The purpose of the New Zealand Association for Impact Assessment is to promote the use, and better practice, of impact assessment.

The Association's activities include:

- Promoting the use of impact assessment to inform decision-making in New Zealand.
- Supporting the development of high ethical standards in impact assessment practices.
- Keeping impact assessment practitioners in touch with each other.
- Running conferences, training courses, and regional meetings on impact assessment themes.
- Representing New Zealand practitioners at the international level.

NZAIA evolved out of the Association for Social Assessment (and before that the SIA Network) and maintains an active social assessment component. Since incorporating as NZAIA in 1999, the Association's activities now embrace the full range of IA practices, from social, health and cultural impact assessment to ecological impact assessment, at project, plan and policy levels, and within a variety of statutory and non-statutory contexts. Its membership reflects this wider and diverse community of impact assessment practitioners.

- ❖ NZAIA has an MoU with the Environmental Institute of Australia and New Zealand (EIANZ), and in particular with the Special Interest Section on Impact Assessment, to promote joint activities.
- ❖ NZAIA has an MoU with the Secretariat of the Pacific Regional Environment Programme (SPREP), to assist with EIA, SEA and IEA capacity development in the Pacific.

Core group members (2016)

Richard Morgan *Univ. Otago* [Chair]
Ben Payne *Mitchell Partnerships* [Treasurer]
Christine Cheyne *Massey Univ.* [Secretary]
Nick Taylor *Taylor Baines*
Rob Greenaway *R&R Consulting*
Ian Boothroyd *Boffa Miskell*
Hamish Rennie *Lincoln University*
James Baines *Taylor Baines*
Gerard Fitzgerald *Fitzgerald Applied Sociology*
Andrew Crosland *MfE*
Gillian Stewart *Co-Creationz Ltd*
Michael Mackay *Lincoln University*
Harrison Burnard *Massey University*

NZAIA is an affiliate of the International Association for Impact Assessment (IAIA), and personal membership of both associations is encouraged.

www.iaia.org

The objectives of impact assessment

- To ensure that social, cultural, health and biophysical considerations are explicitly addressed and incorporated into relevant decision making processes
- To promote social justice and cultural integrity in the management of natural resources
- To ensure a long-term perspective on managing the effects of proposals
- To protect the capacity of natural systems and promote sustainable development

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* Subject to speaker agreement, we post all the presentations on the NZAIA website following the conference.

The NZAIA 2016 conference organizing committee gratefully acknowledges the contribution of all the speakers and conference supporters.

Introduction to the Conference

Strategic environmental assessment (SEA) is regarded internationally as the primary way by which impact assessment concepts and tools are applied to the development and implementation of policies, plans and programmes. SEA is used extensively to address the big issues, such as adapting to climate change and sea-level rise, regional-scale land use changes such as urban growth and renewal, agricultural intensification, and the development of infrastructure systems such as transport planning, or water distribution.

The objectives of SEA are typically to enhance the resilience of ecological, economic and social systems, and increase the sustainability of our environment, familiar objectives in the New Zealand context, and central to the Resource Management Act and several of our other statutes. Some tools are available in New Zealand (e.g. section 32 analysis of policies and plans under the RMA) but are they enough for the challenges we face? Often the analysis in these tools is narrowly specific, considering cost and benefits through an economic lens, for instance, rather than a wider, integrated consideration of all outcomes: ecological, social, health, cultural and economic.

Our conference will consider how well strategic environmental assessment is used in New Zealand, Australia and the Pacific. How does experience in this part of the world compare to wider international experience and what are the challenges that need addressing? As usual the programme comprises invited presentations within a framework designed to ensure coverage of a variety of important themes over the two days, and to stimulate thinking and debate. Examples and case studies that we are addressing at the conference will provide plenty of opportunities to explore how SEA is being used, especially in New Zealand. These include planning for natural hazards and adverse events, land-use change and urbanisation, catchment planning, conservation and biodiversity management, tourism and iwi plans. We will also explore how affected people and communities are brought into the policy- and plan-making processes through collaborative and similar techniques.

We always try to provide ample discussion time in our conferences, so the paper sessions will usually transition into workshop sessions for the last 30 minutes or so, to allow all participants to contribute to wider discussion about the topics. On day 2 we have an “open space” session in which important issues that have emerged during previous discussions can be addressed and the outcomes reported back to the wider conference. We suggest people keep a note of interesting issues during the conference and be ready to add them to the list of possible topics when we are organising the open space session. In a final roundtable session we hope to develop some strategies that NZAIA, and its associated organisations such as the EIANZ, can apply to improve practice.

By the end of the conference we hope to have provided some answers for questions such as: how effective is SEA in Oceania and where do we go next with our practice? Is there a clear understanding of the part SEA can play in environmental management? Is SEA supporting better planning and decision making in this country? What can we do to enhance practice? Most of all we hope to have raised interest in this important process and encouraged more people to explore its potential for adding value to policy- and plan-making processes.

Finally I'd like to thank the programme organizing team for their work in assembling an excellent group of speakers for this conference: Nick Taylor, Hamish Rennie, and Mike Mackay, assisted by our conference administrator Katherine Russell.

Prof. Richard Morgan, Chair NZAIA

Conference Schedule

Day 1: Thursday 8th December	
8.45 am	<i>Registration opens – tea & coffee served in the foyer</i>
9.15 am	Mihi Welcome to Lincoln Conference opening – Richard Morgan – Chair NZAIA
9.30 am	Keynote Presentation Jenny Pope
10.30 am	<i>Break</i>
Session 1 11.00 am	Practice and applications of SEA in NZ
	SEA in NZ – an overview Iwi and SEA SEA and land and water management in New Zealand <i>Discussion</i>
	Richard Morgan Hirini Matunga Hugh Logan
12.30 pm	<i>Lunch</i> POSTER SESSION
Session 2 1.45 pm	Practice and applications of SEA in Oceania
	SEA in the Pacific Applying SEA to the World Bank REDD ¹ processes in the Pacific SEA experiences in Australia: applying IA at the landscape level <i>Discussion</i>
	Jope Davetanivalu and Melanie Bradley Pene Ferguson Carolyn Cameron
3.15 pm	<i>Break</i>
Session 3 3.45 pm	Applications of SEA in the primary sector
	How many cows can the Mackenzie take? SEA in a special place Biosecurity – SEA for predator free NZ Building resilience in hill country farming <i>Discussion</i>
	Helen Shaw James Russell Nick Cradock-Henry
5.45 pm	NZAIA AGM venue: S3 <i>All welcome</i>
7.00 pm	Conference Dinner: Dining Hall

¹ Reducing Emissions from Deforestation and forest Degradation

Day 2: Friday 9th December	
Session 4 9.15 am	<i>SEA for tourism, conservation and recreation</i>
	<p>Less than 100% pure – reactive versus strategic assessment of tourism for policies and plans</p> <p>Visitor impacts on Tāne Mahuta</p> <p>Assessing recreation in coastal plans – a case study of the Lyttelton Port Recovery Plan</p> <p><i>Discussion</i></p>
	<p>David Simmons</p> <p>Ken Hughey</p> <p>Rob Greenaway</p>
10.30 am	<i>Break</i>
Session 5 11.00 am	<i>Strategic assessment of sea-level rise and the effects of climate change</i>
	<p>Assessing coastal hazards</p> <p>Moving from modelling to scenarios - building futures thinking into strategic assessment</p> <p>Community participation in planning for uses of the Red Zone</p> <p><i>Discussion</i></p>
	<p>Deirdre Hart</p> <p>Will Allen</p> <p>Suzanne Vallance</p>
12.30 pm	<i>Lunch</i>
Session 6 1.30 pm	<i>Strategic assessment for health people and communities</i>
	<p>Accounting for changing demographics and social wellbeing in the revised Selwyn District Plan</p> <p>Developing healthy urban communities: planning considering all the impacts</p> <p>Health in all policies and plans</p> <p><i>Discussion</i></p>
	<p>Tim Harris</p> <p>Simon Kingham</p> <p>Jane Murray</p>
3.00 pm	<i>Break (you can take your tea & coffee to Indaba)</i>
3.15 pm	<i>Indaba:</i> Developing capacity in SEA in New Zealand: open space group discussion on topics identified by participants during the conference
4.15 pm	<i>Indaba reporting back and discussion</i>
4.30 pm	Conference synthesis
5.00 pm	Conference close

Keynote Presentation

NZAIA 2016

Thursday 8th December

Keynote Presentation

Jenny Pope

Dr Jenny Pope

Integral Sustainability (Australia)

Jenny is Director of the Western Australian consultancy firm Integral Sustainability, which provides consultancy services to government and industry on the integration of sustainability concepts into decision-making processes, with a focus on delivering positive sustainability outcomes from major projects.

A chemical engineer by training, Jenny has had practical experience in industrial and corporate environmental management, particularly in the wastewater and the oil industries, in Australia and internationally.

Jenny is a Fellow at the University of Cambridge Institute for Sustainability Leadership in the UK and also holds positions at North West University in South Africa where she contributes to a Master's programme in environmental management, and Curtin University in Western Australia.

Her ongoing research interests include strategic-level planning and assessment; social impact assessment and management; corporate social responsibility and the contribution of the resource sector to sustainable development; systems and resilience-based approaches to sustainability planning and assessment; and participatory sustainability.



Keynote:

Session Notes:

Practice and applications of SEA in NZ

NZAIA 2016

Thursday 8th December

SEA in NZ – an overview	Richard Morgan
Iwi and SEA	Hirini Matunga
SEA and land and water management in New Zealand	Hugh Logan
<i>Discussion</i>	

Prof Richard Morgan

Professor, University of Otago

Richard is a professor of Geography at the University of Otago and has been active in impact assessment research, teaching and training since 1981. In 2003–4 Richard served as President of the International Association for Impact Assessment (IAIA) and is currently chair of NZAIA.



Prof Hirini Matunga

Professor, Lincoln University

Hirini is professor of Maori and Indigenous Development at Lincoln University and has been actively engaged in Maori planning, resource and environmental management issues since training as a town planner in the early 1980s. He is of Ngai Tahu, Ngati Kahungunu, Rongowhakaata, Ngati Porou (NZ) and Ngati Paerangi (Aitu Cook Islands) descent. His research and teaching interests over the last 15 or so years have largely revolved around iwi management planning, Maori planning, policy & decision-making, and increasingly the broader indigenous context of these issues.



Dr Hugh Logan

Chair, Land and Water Forum

Hugh is Chair of the Land and Water Forum and a research associate at Lincoln University. He has been a member of the Canterbury Regional Water Committee for the last six years. In the 2000s and 1990s Hugh headed the Ministry for the Environment, the Department of Conservation and the New Zealand Antarctic programme. Hugh was awarded a Queen's Service Medal (QSM) for public services at the crash site of the Air New Zealand DC 10 on Mt. Erebus, Antarctica 1979.



Session 1:

Session Notes:

Posters

NZAIA 2016

Thursday 8th December

Invasive species management: a community social profile framework	Jo P. Aley, C. Nick Taylor and James C. Russell
Co-creating rural resilience in Kaikoura – a new form of SEA?	H.G. Rennie, S. Beaven, N. Cradock-Henry, A. Grant, M.W. Hughes, E.R. Langer, C. Orchiston and T.M. Wilson
Strategic social assessment in an integrated, collaborative approach to setting limits for the Waitaki Catchment	C. Nick Taylor and Michael Mackay
Section 32 reports and strategic environmental assessment (SEA)	Chantal Whitby and Richard Morgan
New Zealand Association for Impact Assessment (NZAIA Affiliates poster prepared for IAIA'16 in Nagoya, Japan)	Richard Morgan

Poster session notes:

Practice and applications of SEA in Oceania

NZAIA 2016

Thursday 8th December

SEA in the Pacific	Jope Davetanivalu and Melanie Bradley
Applying SEA to the World Bank REDD processes in the Pacific	Pene Ferguson
SEA experiences in Australia: applying IA at the landscape level	Carolyn Cameron
<i>Discussion</i>	

See opposite for speaker bios

Mr Jope Davetanivalu

Planning and Capacity Development Adviser, Secretariat of the Pacific Regional Environment Programme

A proud Fiji highlander, Jope moved to Samoa three years ago to join the Secretariat of the Pacific Regional Environment Programme (SPREP). As a member of the Environmental Monitoring and Governance Division of SPREP, Jope supports Melanie with building impact assessment capacity in Pacific island countries. He also assists Pacific island countries in developing their environment policies and strategies, drawing linkages with national sector policies and Multilateral Environmental Agreements (MEAs), and he is the focal point for gender mainstreaming at SPREP. He previously served as the Director of Environment and also as the Environment Impact Assessment administrator for the Government of Fiji. Jope has a background in environment health management and holds a Masters degree of Environment Management from the University of Western Sydney.



Dr Melanie Bradley

Environmental Planning Officer, Secretariat of the Pacific Regional Environment Programme

Originally from Australia, Melanie moved to Samoa almost three years ago to join SPREP. Working in a team with Jope Davetanivalu, Melanie builds impact assessment capacity in Pacific island countries through the delivery of training workshops, preparation of guidelines and provision of technical support to government agencies. She brings multiple perspectives to her capacity-building role, having developed environmental impact assessment (EIA) and environmental offsets policies for the Northern Territory (NT) Environment Protection Authority, and having been an EIA stakeholder while working for the Environment Centre NT and the Queensland Farmers' Federation. Melanie has a PhD in landscape ecology and studied social-ecological resilience in tropical savannas for her post-doctorate.



Ms Pene Ferguson

Environmental Safeguards Specialist, World Bank

Pene is an Environmental Safeguards Specialist with the World Bank, and applies the World Bank Environmental Safeguards policies to projects funded by the Bank in the East Asia and Pacific region. She is a Certified Environmental Practitioner (CEnvP) and her career has focussed on preparing Environmental Impact Assessment (EIA) and Assessments of Effects on the Environment (AEE) for infrastructure and climate change projects in NZ and abroad.



Ms Carolyn Cameron

Principal, Cameron Strategies (Australia)

Carolyn has over 40 year's experience in environmental and strategic planning as an academic, consultant and public sector manager for state and national governments. She is internationally recognised for her contributions in the area of strategic environmental assessments and regional sustainability planning. In 2014–15 she successfully led the Australian government's Great Barrier Reef Taskforce, charged with developing policy initiatives to respond to the World Heritage Committee's concerns about future sustainability of the Reef. More recently she has established Cameron Strategies to provide strategic advice and policy development on challenging environmental management and governance issues. Major clients are the Australian government, the Great Barrier Reef Marine Park Authority and Jacobs for the Victorian government's Hazelwood Mine Fire Inquiry.



Session 2:

Session Notes:

Applications of SEA in the primary sector

NZAIA 2016

Thursday 8th December

How many cows can the Mackenzie take? SEA in a special place	Helen Shaw
Biosecurity – SEA for predator free NZ	James Russell
Building resilience in hill country farming	Nick Cradock-Henry
<i>Discussion</i>	

Ms Helen Shaw

Team Leader Hydrological Science, Environment Canterbury

Helen is a water resources engineer, and the team leader of the surface water hydrological science team at Environment Canterbury. Helen has led a number of multi-disciplinary catchment management planning projects, exploring water quantity and quality issues in both urban and rural settings. She has spent the last 3 years as technical lead for Environment Canterbury's nutrient limit setting process in the Waitaki River catchment, a fast-paced project centred around science-informed community decision making.



Dr James Russell

Senior Lecturer, University of Auckland

James Russell is a Senior Lecturer in the University of Auckland School of Biological Sciences and Department of Statistics, Strategic Advisor to the Predator Free New Zealand trust, Science Advisor to Zero Invasive Predators, project leader in the Biological Heritage National Science Challenge, Associate Editor of the journal Biological Invasions and member of the IUCN Invasive Species Specialist Group. His work brings together diverse natural and social scientific approaches to solve contemporary conservation problems such as achieving and maintaining pest-free status on islands and reserves, and restoring terrestrial animal communities. His recent work focuses on environmental attitudes to pest management and tools, and scaling the application of eradication technologies to very large and inhabited islands. In 2015 he published the first analysis of Predator Free New Zealand.



Dr Nick Cradock-Henry

Senior Scientist, Manaaki Whenua Landcare Research

Dr Nick Cradock-Henry is Senior Scientist, Governance & Policy at Manaaki Whenua Landcare Research in Lincoln. He is co-lead of the Rural Co-Creation Laboratory in the Resilience to Nature's Challenges National Science Challenge, and Regional Coordinator (Australia-New Zealand and the Pacific) for the Earth System Governance Project, an initiative of Future Earth. Nick's research is focused on the human dimensions of global and environmental change, including characterising, assessing and enhancing resilience at multiple scales.



Session 3:

Session Notes:

SEA for tourism, conservation and recreation

NZAIA 2016

Friday 9th December

Less than 100% pure – reactive versus strategic assessment of tourism for policies and plans	David Simmons
Visitor impacts on Tāne Mahuta	Ken Hughey
Assessing recreation in coastal plans – a case study of the Lyttelton Port Recovery Plan	Rob Greenaway
<i>Discussion</i>	

Prof David Simmons

Professor, Lincoln University

David is Professor of Tourism and chair of the University Research Committee at Lincoln University, New Zealand. His interests are in sustainable tourism and destination planning and management. He has led multi-disciplinary teams examining the financial, economic and sustainable yield from tourism, and developed texts and toolkits for tourism planning. Most recently he has been engaged as a member of the writing team for the New Zealand National Tourism Framework and annual state of sector reports. From 2008–2010 he was Director of Research for the Australian Federal Government's 'Sustainable Tourism CRC'.



Prof Ken Hughey

Professor, Lincoln University

Ken is a Professor of Environmental Management at Lincoln University, and as Chief Science Advisor for the Department of Conservation (DOC) represents DOC on National Science Challenges and the Natural Resource Sector science advisors group. Prior to joining the university in 1995, he worked for the DOC. His research interests are broad – mostly he is interested in freshwater, instream flow needs for birds, and policy and its application. But he is also involved in research on tourism and climate change, tourism and disaster management, environmental perceptions monitoring, and introduced animal management. He is on the Hurunui Waiau Zone Committee involved with implementing the Canterbury Water Management Strategy, and has chaired the organising committees for the first four biennial Te Waihora/Lake Ellesmere Living Lake symposia.



Mr Rob Greenaway

Rob Greenaway & Associates

Rob has 25 years' experience as a consultant recreation and tourism planner. He has worked throughout NZ, the Pacific and Asia on projects ranging from local reserve management plans and event management, to providing expert evidence on the effects of major infrastructure proposals. The latter has included large road projects, energy and irrigation developments, marine farms and mining, and urban and rural residential proposals. Rob is currently working on the Additional Waitemata Harbour Crossing for the NZTA, a major water storage and recreation project for Rangitata Diversion Race Management Ltd, the Rena consent appeal, dredging consents for Refining NZ, Lyttelton Port and CentrePort, the Wellington International Airport runway extension proposal, the WestPower Waitaha hydro project, and a new gondola development in Queenstown, amongst others.



Session 4:

Session Notes:

Strategic assessment of sea-level rise and the effects of climate change

NZAIA 2016

Friday 9th December

Assessing coastal hazards	Deirdre Hart
Moving from modelling to scenarios – building futures thinking into strategic assessment	Will Allen
Community participation in planning for uses of the Red Zone	Suzanne Vallance
<i>Discussion</i>	
<p>Dr Deirdre Hart Senior Lecturer, University of Canterbury</p> <p>Deirdre is a multi-disciplinary scientist specialising in coastal settlement related research, including earthquake, flood, sea level rise and tsunami hazards. She has recently been a part of the panel reviewing Christchurch city’s coastal hazards report, and contributed to the Urban Development Strategy review. Along with lifelines engineering specialist Dr Sonia Giovinazzi, she co-leads a team of local and international researchers examining the multi-hazard effects of the Canterbury Earthquake Sequence. Other projects include work with a team of NIWA and DOC experts to develop a ‘New Zealand hydrosystem classification for management purposes’. Deirdre is regularly asked to provide science advice and comment to central and local government, media, port companies and the PCE on issues relating to flooding, sea level rise and water resource management, beaches and harbours. She is passionate about sharing science and other learnings to help build more resilient urban and rural environments. Deirdre is a former chair of the New Zealand Coastal Society.</p>	
<p>Dr Will Allen Learning for sustainability</p> <p>Dr Will Allen is an independent systems scientist, action researcher and evaluator. He has more than 25 years of experience in sustainable development and natural resource management. Through his work he seeks to bridge local, indigenous and organizational perspectives, and help diverse groups work together to develop a shared understanding around goals, actions and indicators. He also developed and manages the Learning for Sustainability (LfS) website as an international clearinghouse for on-line resources that support collaboration and adaptation. He has worked in both national and international research organisations, and brings experience from working with a wide range of different end-user stakeholder sectors.</p>	
<p>Dr Suzanne Vallance Senior Lecturer, Lincoln University</p> <p>Dr Vallance has a PhD in Urban Studies, and has been conducting research into urban sustainability and resilience for almost 15 years. She is currently a senior lecturer in the Department of Environmental Management at Lincoln University where she draws on the social sciences – primarily human geography and political science – to explore ways in which we can collectively make cities and settlements better, safer and healthier. While her research draws on an eclectic mix of theory, she also seeks pragmatic solutions to ‘Common’ problems, such as peak oil, flood mitigation, sea-level rise, food insecurity, urban renewal, and earthquake recovery.</p>	

Session 5:

Session Notes:

Strategic assessment for healthy people and communities

NZAIA 2016

Friday 9th December

Accounting for changing demographics and social wellbeing in the revised Selwyn District Plan	Tim Harris
Developing healthy urban communities: planning considering all the impacts	Simon Kingham
Health in all policies and plans	Jane Murray
<i>Discussion</i>	

Mr Tim Harris

Environmental Services Manager, Selwyn District Council

Tim Harris holds a Master of Regional Resource Planning with Distinction from the University of Otago and is currently the Environmental Services Manager at Selwyn District Council. Tim has worked at the Selwyn District Council for 10 years and has been closely involved in managing Selwyn's response to the significant growth the District has experienced over the last ten years. Tim also played a prominent role in the planning surrounding Selwyn's and greater Christchurch's earthquake recovery.



Prof Simon Kingham

Professor, University of Canterbury

Simon Kingham is a Professor of geography at the University of Canterbury where he also directs the Geospatial Research Institute and the GeoHealth Laboratory. His research interests broadly revolve around studying the impacts the environments we spend time in have on our health and wellbeing. He is particularly interested in research that can impact on policy.



Ms Jane Murray

Health in All Policies Advisor, Canterbury District Health Board

Jane is a Health in All Policies Advisor for the Canterbury District Health Board and her work in HiAP focuses on ensuring long term strategies and Canterbury rebuild development have a positive impact on the health and wellness. She has a Post-graduate Diploma in Resource and Environmental Planning and has worked in the health sector for six years.



Session 6:

Session Notes:

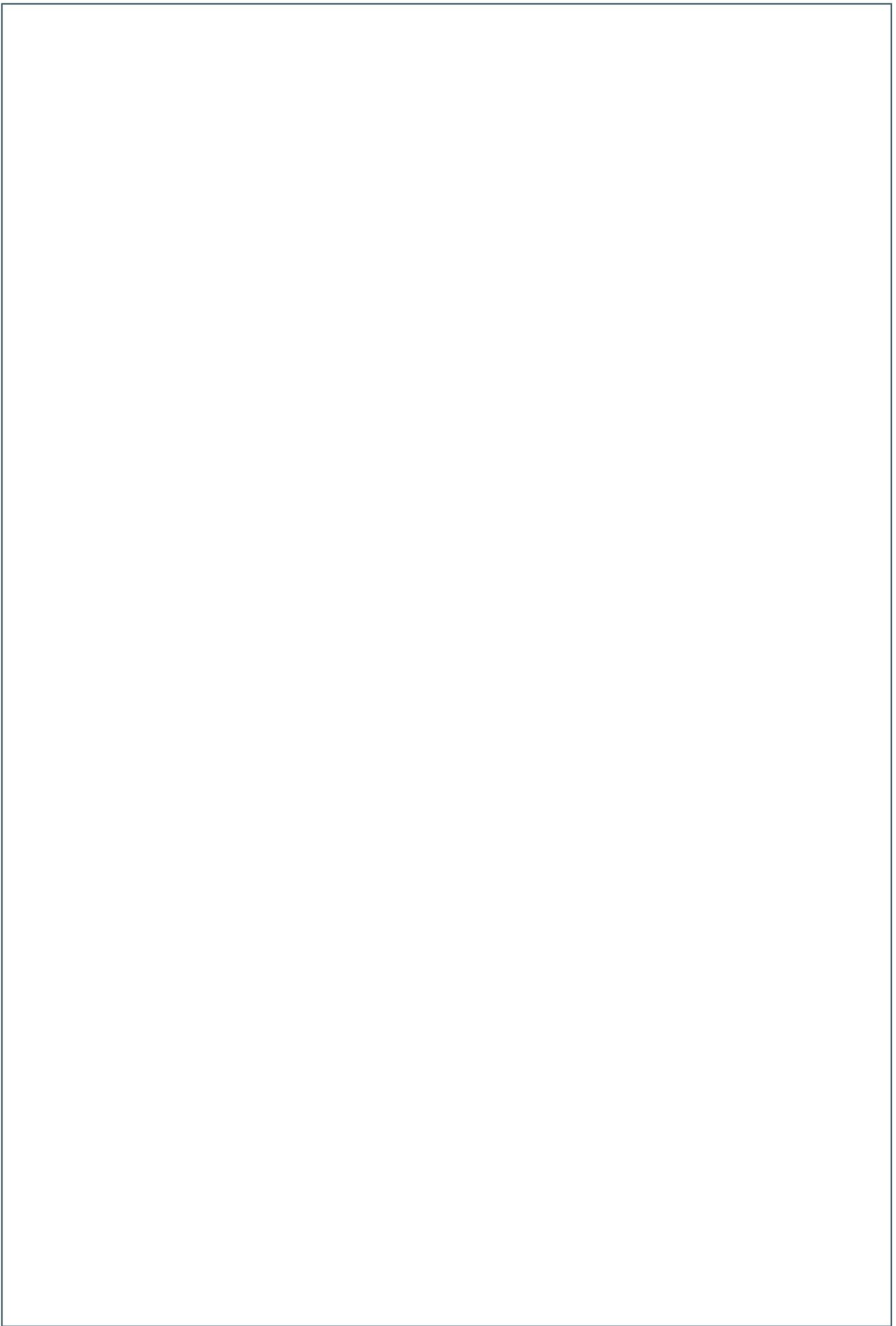
Indaba (open space)

Developing capacity in SEA in New Zealand: open space group discussion on topics identified by participants during the conference.

Record here your ideas for possible discussion topics that emerge from presentations or subsequent discussions. We will invite participants to form discussion groups around the topics that interest them. Groups can report the main conclusions from their discussions to the conference before we close.

Session 7:

Session Notes



Thank you for your participation in the NZAIA 2016 Conference:

We would be most grateful if you could take a moment to complete our brief feedback sheet enclosed in the conference pack.

Please visit our website www.nzaia.org.nz for conference proceedings and on-going discussion forums.

