

WEBSITE PROGRAMME FOR THE 2020 PACIFIC OCEAN PACIFIC CLIMATE CHANGE CONFERENCE

(Version 26 October 2020)

Tuesday 27 October 2020 (Samoa date and time)

Opening Ceremony			
12.00 - 12.30	Welcome remarks: Hon. Tuilaepa Dr Sailele Malielegaoi, Prime Minister, Government of Samoa Opening Address: Hon. James Marape, Prime Minister, Government of Papua New Guinea MC: Leota Kosi Latu, Director General of SPREP		
Plenary			
12.35 - 13.00 (20 mins plus 5 min Q & A)	Keynote Address (D1-AM) Professor James Renwick, Victoria University of Wellington. Title: Climate change across the Pacific: the latest science MC: Leota Kosi Latu, Director General of SPREP		
13.00 - 13.10 (10 mins)	Networking		
Parallel Sessions Theme – Science			
Sessions D1: S1 - S3 Sub-theme	The Changing Pacific (Physical Science focus)	The Extreme Pacific (Physical Science focus)	The Oceans (Physical Science focus)
13.10 - 14.20 (70 mins)	<i>This session will examine the large-scale changes we are seeing or may see in the Pacific in the future</i>	<i>This session will focus on extreme events covering both attribution science and projections</i>	<i>Building upon the IPCC Special Report on the Ocean and Cryosphere in a Changing Climate, this session will examine the implications for Pacific islands</i>
Moderators	Fiti Laupua	Fuimaono Lameko Talia	Tagaloa Cooper
13.10 – 13.25 15 min total (12 min plus 3 mins Q & A)	Next Generation climate projections for the western tropical Pacific Michael Grose Salesa Nihmei	TCO-SP: A new island-scale tropical cyclone outlook for Southwest Pacific nations and territories Andrew D. Magee	UN Decade of Ocean Science for Sustainable Development, 2021-2030 Jens Krüger
A transition period (3.3 mins)			
13.28 – 13.43 15 min total (12 min plus 3 mins Q & A)	Using sub-seasonal to seasonal forecasting to manage impacts of marine heatwaves in the Pacific Grant Smith	Statistical Analysis of Tropical Cyclones in the Solomon Islands Edward Maru	Preliminary Experiments Applying a Flexible Mesh Finite Volume Modelling Approach to Investigate Circulation in the Vanuatu/New Caledonia Region Serena Blyth Lee
A transition period (3.3 mins)			
13.46 – 14.01 15 min total (12 min plus 3 mins Q & A)	Identifying Consistent Predictors of Seasonal Rainfall in the Southwest Pacific Robson S Tigona	A study on the characteristics of tropical cyclones in the Southwest Pacific Luteru Tauvale	The Pacific Partnership on Ocean Acidification Dr R. Duncan McIntosh

DISCLAIMER: The 2020 POPCC Conference Programme includes the title of presentations and presenters.

Please refer to the programme annex for the full list of co-authors and researchers. | Page 1 of 9

Transition period (3.3 mins)			
14.04 – 14.19 15 min total (12 min plus 3 mins Q & A)	ENSO drives octopus gleaning catch rates in American Samoa D. Ochavillo	Tropical cyclone contribution to extreme rainfall in the southwest Pacific island countries Savin Chand	Climate Information Services for Resilient Development in Vanuatu (Van KIRAP) Moirah Matou Geoff Gooley
14.20 – 15.20 (60 mins) Networking			
Transition period (10 mins)			
Plenary			
15.30 - 15.55 (20 mins plus 5 mins Q & A)	Keynote Address (D1-PM): Tuifuisa'a Dr Patila Malua-Amosa, Dean Faculty of Science, National University of Samoa Title: Ocean acidification – an invisible climate change threat MC: Leota Kosi Latu, Director General of SPREP		
15.55 – 16.05 (10 mins) Networking			
Parallel Sessions			
Sessions D1: S4 - S6 Sub-theme	Pacific Livelihoods 1	The Living Pacific	Pacific Livelihoods 2
16.05 - 17.15 (70 mins)	<i>This theme will look at the scientific evidence relating the impacts on livelihoods. It should look to connect the physical science evidence base with the social science</i>	<i>This session will examine the science regarding the impacts of climate change on marine and coastal ecosystems</i>	<i>This theme will look at the scientific evidence relating the impacts on livelihoods. It should look to connect the physical science evidence base with the social science</i>
Session Moderators	Taimalietane Matatumua-Tuivavalagi	Dr. Peter Davies	Associate Professor Taema Imo-Seuoti
16.05 – 16.20 15 min total (12 min plus 3 mins Q & A)	Agriculture under a changing climate Viliamu Iese	Super Corals to the Rescue: Facilitating Coral Reef Adaptation to Warming Seas Austin Bowden-Kerby	Effects of Sea Surface Temperature on Tuna Catch of Purse Seine in Eastern Pacific Ocean under Climate Change Hanny John Mediodia
Transition period (3.3 mins)			
16.23 – 16.38 15 min total (12 min plus 3 mins Q & A)	Understanding Social Adaptive Capacity to Climate Change in Fisheries Communities and Fisheries Resources in Micronesia Dr Cheryl Anderson	Assessing the potential risk of changing sea surface temperatures on pearl fisheries in the Cook Islands Leanne Webb	Exploring food choice and changes in the food environment in Samoa Dr Sarah Burkhart
Transition period (3.3 mins)			
16.41 – 16.56 15 min total (12 min plus 3 mins Q & A)	An analysis of human rights violations in the seafood sector- including institutionalized inequality, the undermining of food and livelihood security, and loss of access rights Juno Fitzpatrick	Climate change impacts to marine megafauna – a tipping point? Karen Baird	Edible seaweeds of Samoa (<i>Caulerpa</i> and <i>Halymenia</i>): An evaluation of cultural values, consumer preferences and nutritional benefits Ulusapeti Tiitii Magele Etuati Ropeti

Transition period (3.3 mins)			
16.59 – 17.14 15 min total (12 min plus 3 mins Q & A)	Securing our livelihoods: from a fisher's perspective Dr Susana Taua'a	Importance of robust Environmental Assessments in supporting sustainable coastal and climate change adaptation developments in the Pacific Jope Davetanivalu	Evaluating the effectiveness of food security adaptation projects in the Solomon Islands Chris Peter Teva
17.15 - 17.30 (15 mins) Networking			

Wednesday 28 October 2020 (Samoa date and time)

Plenary			
12.00 - 12.25 (20 mins plus 5 min Q&A)	Keynote Address (D2-AM): Mr Adrian Orr, Governor, Reserve Bank of New Zealand Proposed topic: <i>What is a transformational change that is needed? How do we make big changes, in the Pacific or worldwide?</i> MC: Leota Kosi Latu, Director General of SPREP		
12.25 - 12.35 (10 mins) Networking			
Parallel Sessions Theme – People			
Response interventions - policy, actions, projects, community groups, engagement, adaptation and solutions, low carbon development.			
Sessions D2: S1 - S3 Sub-theme	Enabling Environmental Policy Frameworks	Island Solutions and Private Sector Innovations 1	Community-Based Approaches and Traditional knowledge
12.35 – 13.45 (70 mins)	<i>This session will focus on examples of policy frameworks that exist in the Pacific islands to address the challenges of climate change.</i>	<i>This session will focus on examples of best practice around adaptation and mitigation (low carbon development). There will also be a focus on the role of the private sector in the Pacific islands and how innovation is often the key to success and survival.</i>	<i>This session will focus on sharing knowledge on community-based and traditional approaches to response and building resilience building, with a focus on early warning systems.</i>
Session Moderators	Easter Chu Shing	Associate Professor Taema Imo-Seuoti	Dr. Anita Latai-Niusulu
12.35 – 12.50 15 min total (12 min plus 3 mins Q & A)	Climate and Oceans Data for decision making in the Pacific Paul Anderson	Data Infrastructure: Supporting the Pacific Climate Change Voice Kevin Sweeney	Community-based traditional knowledge Faapisa Aiono
Transition period (3.3 mins)			
12.53 – 13.08 15 min total (12 min plus 3 mins Q & A)	The potential of nature-based solutions for climate change adaptation and increased resilience in Pacific Ocean Cities Paul Blaschke	Climate Change Power Resilience – A look into Pumped Hydro Energy Storage Systems for the Pacific Niccolo Moeono	Exploring community engagement in climate change planning – A case in Samoa Annie Tuisuga
Transition period (3.3 mins)			

13.11 – 13.26 15 min total (12 min plus 3 mins Q & A)	Rural Island Coastal-communities' Habitation and Adaptation towards Rising-seas: A Deliberation towards Sustainability into the 22nd Century Richard Crichton	When activism and academia combine; youth climate activists create the Zero Carbon Act Lisa McLaren	A pioneer community-based fisheries management program in Samoa Magele Etuati Ropeti Ulusapeti Tiitii
Transition period (3.3 mins)			
13.29 – 13.44 15 min total (12 min plus 3 mins Q & A)	Developing a Nature-based Urban Design and Planning Toolkit and Agenda for Urban Resilience in Oceania's Cities Maibritt Pedersen Zari	Designing biogas systems suitable for local households and small-scale farms Annie Tuisuga	Samatau as a climate change resilient village Faainu Latu
13.45 - 13.55 (10 mins) Networking			
Parallel Sessions			
Sessions D2: S4 - S6 Sub-theme	Partnerships: Climate change is everyone's business	Climate Displacement and Security	Law as a tool for change
13.55 - 15.05 (70 mins)	<i>This session will focus on the role of partnerships in the Pacific to address climate change for development and survival.</i>	<i>This session will focus on migration in the Pacific due to climate issues and climate justice and discuss what does security mean for now and into the future?</i>	<i>This session will focus on the use of human rights and legislative measures, dispute resolution mechanisms and monitoring tools that may best assist Pacific communities in elaborating strategies and procedures to tackle the complexity, urgency and sensitivities of environmental and climate change issues.</i>
Session Moderators	Tofilau Dr Faguele Suaali'i	Espen Ronneberg	Dr Bjørn-Oliver Magsig
13.55 – 14.10 15 min total (12 min plus 3 mins Q & A)	Partnerships for regional research and capacity building for a more resilient Pacific Mr Gen'ichiro Tsukada Dr Linda Anne Stevenson	Securing the Pacific in Climate Crisis: unpacking climate security, crisis/emergency and security institutions Salā Dr George Carter	An alternative approach to monitoring and evaluation of climate change adaptation projects in coastal areas: the focus on change Sylvia Lima
Transition period (3.3 mins)			
14.13 – 14.28 15 min total (12 min plus 3 mins Q & A)	Participatory science and citizens, between normative communication and local adaptability Akila Nedjar-Guerre Nathalie Angelé-Halgand	Labour Mobility to Samoa: A Case Study of Recent Migration Judy Pouono	My Sister's Keeper? Exploring Human Duties in Times of Environmental Degradation Daphina Misiedjan
Transition period (3.3 mins)			
14.31 – 14.46 15 min total (12 min plus 3 mins Q & A)	A religious perspective on how a different context from a changing climate requires realigning our goal of well-being John Howell	"Tu-Te-Ma-Mea" Global Compact for Migration: Climate Change Migration and Displacement Pefi Kingi	The Human Right to Climate Change Resilience Dr Irene Antonopoulos

Transition period (3.3 mins)			
14.49 – 15.04 15 min total (12 min plus 3 mins Q & A)	No insurance is false economy John Howell	The role of Pacific churches in climate-induced migration Dr Philip Cass	The Duty of Assistance to the Other States in Need: Ethical, Political and Legal Considerations Professor Alberto Costi
15.05 - 15.15 (10 mins) Networking			
Parallel Sessions			
Sessions D2: S7 - S9 Sub-theme	Women and Climate Change	Tusitala: The Storyteller	Science, Technology and the Law
15.15 - 16.25 (70 mins)	<i>This session will focus on gender and the disproportionate impacts on women affected by the impacts of climate change. It will also examine where women are leading in response to climate change with a focus on best practice and gaps.</i>	<i>This session will focus on the importance of storytelling and how the creative arts can connect communities together and communicate what science and policy often miss.</i>	<i>Conservation of natural resources, biodiversity measures and efforts to limit climate change require lawyers to work with scientists to find ways to embed technical understanding into the development of the law. This session will focus on the interplay of science, technology and the law in order to foster sustainable development and to minimise environmental effects.</i>
Session Moderators	Annie Tuisuga	Sau'i'a Dr Louise Matai'a	Professor Alberto Costi
15.15 – 15.30 15 min total (12 min plus 3 mins Q & A)	The compounding impacts of climate change and environmental degradation on the insecurity of indigenous women in West Papua Szilvia Csevár	Passages in Between I(s)lands' Audrey Brown-Pereira	The new internationally legally binding instrument (ILBI) under the United Nations Convention on the Law of the Sea 1982 on the conservation and sustainable use of marine biological diversity of areas beyond national jurisdiction (BBNJ): current negotiations, prospects and challenges Penelope Nevill
Transition period (3.3 mins)			
15.33 – 15.48 15 min total (12 min plus 3 mins Q & A)	Adapters, responders and a seat at the table: who is being involved in defining climate security for the Pacific region? Elise Howard	Telling the Stories of Our Pacific, Islands in the Sea, Climate Change and The Creative Arts Silafau Professor Sina Vaai	Developments in Multilateral Environmental Agreements: Opportunities for ocean management in a changing climate Dr Peter Davies
Transition period (3.3 mins)			
15.51 – 16.06 15 min total (12 min plus 3 mins Q & A)	Strengthening Local Women's Leadership and Disability Inclusion: The Shifting the Power Coalition Approach in the Pacific Sharon Bhagwan Rolls	Effective Protocols and partnerships for community engagement in the collection and documentation of traditional weather and climate knowledge Philip Malsale	The regulation of deep seabed mining in the Pacific Professor Catherine J Iorns Magallanes
Transition period (3.3 mins)			

16.09 – 16.24 15 min total (12 min plus 3 mins Q & A)	Media and Climate Change Nanette Woonton	Growing a ‘Talanoa’ dialogue on caring for our common home in Oceania Martin de Jong, Malialosa Tapueluelu, Kositatino Tikomaibolatagane	Environmental justice in the age of geoengineering: Can international law control Pandora’s box? Dr Bjørn-Oliver Magsig
16.25 - 16.45 (20 mins)	Networking		

Thursday 29 October 2020 (Samoa date and time)

Plenary			
12.00 - 12.25 (20 min plus 5 min Q&A)	Keynote Address (D3-AM): Ms Kathy Jetñil-Kijiner <i>Proposed topic:</i> Reflections on COP25. What does it mean for the Pacific, what does it mean for the world? MC: Leota Kosi Latu, Director General of SPREP		
12.25 - 12.35 (10 mins)	Networking		
Parallel Sessions			
Sessions D3: S1 - S3 Sub-theme	Communicating Science 1	Traditional knowledge and science	Innovative responses and collaboration for enhanced resilience
12.35 - 13.45 (70 mins)	<i>Science needs to reach decision-makers to be effective. This session will look and opportunities to strengthen science communication and examples of what is happening in the region at the moment.</i>	<i>Here we will examine the role of traditional knowledge in understanding climate change</i>	<i>This session explores research on social and policy responses to climate resilience.</i>
Session Moderators	Dr Peter Davies	Magele Etuati Ropeti	Espen Ronneberg
12.35 – 12.50 15 min total (12 min plus 3 mins Q & A)	The potential of crop modelling as a tool for agri-climatic risk assessment and adaptation exploration in Pacific Island Countries Viliamu lese	Reaching the last mile: Contemporary or Traditional weather and climate forecast Siosinamele Lui	How regional cooperation as an enabling mechanism can contribute to the SIDS Accelerated Modalities of Action (SAMOA) Pathway? Ms Christmas Uchiyama Dr Linda Anne Stevenson
Transition period (3.3 mins)			
12.53 – 13.08 15 min total (12 min plus 3 mins Q & A)	A possible role for Citizen Scientists in post-intervention climate change adaptation monitoring and evaluation Sylvia Lima Barbara Bedeschi-Lewando	Risk and resilience in the Pacific - community exposure and response to climate change Professor Patrick Nunn Dr Linda Anne Stevenson	International Arbitration: A mechanism to enhance and facilitate cross-border trade in the Pacific amidst climate change Ana Tuiketeki
Transition period (3.3 mins)			

13.11 – 13.26 15 min total (12 min plus 3 mins Q & A)	Communicating complexities for impact Vanessa Young	A Contribution towards the Development of a Macroinvertebrate Community Index (MCI) for freshwater habitats in Samoa Velonika Falaniko	Integrated and participatory action research for increased climate change adaptation: Capturing community perception and narratives of climate adaptation for informing policy Professor Andreas Neef Ms Christmas Uchiyama
Transition period (3.3 mins)			
13.29 – 13.44 15 min total (12 min plus 3 mins Q & A)	Guardians of the Oceanscape Schannel van Dijken	Scaling up Knowledge brokerage: Connecting people, science and decision-making Ella Strachan	Addressing the voices of the elderly in a changing world: welfare, compassion and social inclusion of the elderly in 3 Pacific Island Countries, Samoa, Kiribati and Tuvalu Zanna Clay
13.45 - 13.55 (10 mins) Networking			
Sessions D3: S4 - S6 Sub-theme	Communicating science 2	Science and Climate Change Research	Marine Litter Actions: Private Sector and Entrepreneurial Innovations
13.55 - 15.05 (70 mins)	<i>Science needs to reach decision-makers to be effective. This session will look at opportunities to strengthen science communication and examples of what is happening in the region at the moment.</i>	<i>Here we focus on marine ecosystem research and on novel renewable technologies.</i>	<i>This session will focus on marine litter - the threats and potential impact on food security; fish and coral; and links to climate change including the innovative responses to address this threat from a community, national and global scale.</i>
Session Moderators	Taimaietane Matatumua-Tuivavalagi	Chan Moon	Karen Baird
13.55 – 14.10 15 min total (12 min plus 3 mins Q & A)		Snapshots of CDOM and Chlorophyll dynamics in Laucala Bay, Fiji Islands Timoci Koliyavu	Promoting resilience through disaster waste management Faafetai Sagapolutele
Transition period (3.3 mins)			
14.13 – 14.28 15 min total (12 min plus 3 mins Q & A)	Generating a Community based Approach to Early warning and Disaster Response System in Samoa: The use of ICT by Samoans during a disaster Professor Muagututi'a Ioana Chan Mow	Solar photovoltaic technologies on the horizon Professor Justin Hodgkiss	Marine litter and plastic pollution impact on our ocean Anthony Talouli
Transition period (3.3 mins)			
14.31 – 14.46 15 min total (12 min plus 3 mins Q & A)	Can Citizen Science initiatives support the implementation of Sustainable Development Goals 13 and 14 in the Pacific? Barbara Bedeschi-Lewando Sylvia Lima	Techno-economic Analysis of Options to Achieve 100% Renewable Electricity for Samoa Tupuivao Vaiaso	International Governance Arrangements for Controlling Marine Pollution from Plastics Joshua Sam

Transition period (3.3 mins)			
14.49 – 15.04 15 min total (12 min plus 3 mins Q & A)	Melting ice and rising seas: public (mis)understanding of the sea-level rise Rebecca Priestley	The Natural Park of the Coral Sea- A developing framework for an exceptional biodiversity Géraldine Giraudeau	Innovative responses and collaboration for enhanced resilience Rendy Solomon
15.05 – 15.27 (22 mins) Networking			
Transition period (3.3 mins)			
15.30 – 16.15 (45 mins)	The Global Research Alliance on Agricultural Greenhouse Gases in the Pacific – enhancing inventory capability and protecting food security in the face of climate change Hayden Montgomery		
16.15-16.25 (10 mins) Networking			
16.25 – 17.10 (45 mins)	Māori Agribusiness meets Pacific Agribusiness – sharing stories and journeys Keri Iiti		
17.10-17.25 (15 mins) Networking			
Transition period (5 mins)			
17.30 - 18.30 (60 mins)	Book Launch: <i>In the Eye of the Storm - Reflections from the Second Pacific Climate Change Conference</i> A compilation of the contributions of some of the keynote speakers at the Second Pacific Climate Change Conference, held in Wellington in 2018. Co-edited by Professor of Law Alberto Costi and Professor of Physical Geography James Renwick, both from Te Herenga Waka—Victoria University of Wellington.		

Friday 30 October 2020 (Samoa date and time)

Plenary			
12.00 - 12.25 (20 min plus 5 min Q&A)	Keynote Address (D4-AM): <i>Dr Vladimir Ryabinin, Executive Secretary of the Intergovernmental Oceanographic Commission and Assistant Director-General of UNESCO</i> Title: <i>Ocean Science Challenges in 2021-2030</i> MC: Leota Kosi Latu, Director General of SPREP		
12.25 - 12.35 (10 mins) Networking			
Parallel Sessions Theme – Oceans			
Other pressures and potential threats on the ocean, including climate change and compounding pressures on our oceans. Marine litter, plastics. Impacts on fisheries the economy. Impacts on EEZ / delimitations.			
Sessions D4: S1 - S3 Sub-theme	The Blue Pacific & Climate Finance	Island Solutions and Private Sector Innovations 2	The Future is Here
12.35 - 13.45 (70 mins)	<i>Part of this session will focus on the Blue Pacific continent, what it means for Pacific people and</i>	<i>This session will focus on examples of best practice around adaptation and mitigation (low</i>	<i>Whilst this session is a Youth dedicated space to share innovation and examples of successful</i>

	<i>how to navigate collectively the political, economic, environmental and cultural challenges that face us a region. This session will also focus on the experiences and challenges of Pacific island countries accessing climate finance.</i>	<i>carbon development) including the role of the private sector on innovation as the key to success and survival.</i>	<i>interventions, it will also focus on the next steps as the Pacific navigates moving forward in a post-pandemic era.</i>
Session Moderators	Tagaloa Cooper	Professor James Renwick	Anthony Talouli
12.35 – 12.50 15 min total (12 min plus 3 mins Q & A)	Loss and Damage and the Pacific Island Climate Change Insurance Facility in the Pacific Espen Ronneberg	Facing food security risks: the rise and rise of the sweet potato in the Pacific Islands Viliamu Iese	Building the capacity of youth researchers to critically engage with emerging challenges Dr Ramona Boodoosingh
Transition period (3.3 mins)			
12.53 – 13.08 15 min total (12 min plus 3 mins Q & A)	Climate Financing Rupeni Mario	Addressing Climate Change in Kiribati: A New Model for Local Economic Development Dr Jane Stanley	Key barriers and enablers for planned relocation in Small Island States Annah E. Piggott-McKellar
Transition period (3.3 mins)			
13.11 – 13.26 15 min total (12 min plus 3 mins Q & A)	Building Resilience Outcomes for Infrastructure in the Blue Pacific Dr Scott Hook	National adaptation planning – an iterative process Filomena Nelson	Samoaan children’s perceptions of current and future climate and other environmental changes Anita Latai-Niusulu Tautalaaso Taulealo
Transition period (3.3 mins)			
13.29 – 13.44 15 min total (12 min plus 3 mins Q & A)	Accessing climate finance for communities in Tonga, Samoa and Papua New Guinea Amelia Ma’afu Ursula Rakova Karen Anaya	Small business in the face of disasters: understanding strategies and barriers to building resilience Sivendra Michael	Three Simple Steps to Declaring a Global Climate Emergency Sosefina Falepalamata Sooaemalelagi
13.45 – 13.55 (10 mins)			
Final Remarks			
13.55 - 14.25 (30 mins)	<p>Keynote Address (D4-PM):</p> <ul style="list-style-type: none"> ▪ Leota Kosi Latu, Director General, SPREP ▪ Professor James Renwick, Head of School, School of Geography, Environment and Earth Sciences, Victoria University of Wellington ▪ Tuifuisa’a Dr Patila Malua-Amosa, Dean Faculty of Science, National University of Samoa ▪ Professor Alberto Costi, Faculty of Law, Victoria University of Wellington <p>Proposed topic: <i>Next steps: What are we doing about it?</i></p> <p>MC: Associate Professor Hon. Luamanuvao Dame Winnie Laban, Assistant Vice-Chancellor (Pasifika), Victoria University of Wellington</p>		