

## DAY 1 - CLIMATE SECURITY CHALLENGES IN THE PACIFIC

TUESDAY, 21 MAY 2019

0 8 0 0 - 0 8 4 5	REGISTRATION
0 8 4 5 - 0 9 1 0	<p><b>Opening Ceremony</b>  Comments from:  <i>Honourable Ron Mark, Minister of Defence, New Zealand</i>  and  <i>Honorable Scott P. Brown, U.S. Ambassador to New Zealand and the Independent State of Samoa</i></p>
0 9 1 0 - 0 9 2 0	GROUP PHOTO
0 9 2 0 - 0 9 5 0	BREAK 1
0 9 5 0 - 1 0 0 0	<p><b>Administrative Reminders</b>  <i>Mr. John Anakotta, Senior Policy Officer, Ministry of Foreign Affairs and Trade, New Zealand</i></p>
1 0 0 0 - 1 0 1 0	<p><b>Climate Science Overview: Introduction to <i>Climate Security Challenges in the Pacific Theme</i></b>  <i>Professor James Renwick, School of Geography, Environment and Earth Sciences, Victoria University, New Zealand</i></p>
1 0 1 0 - 1 0 3 0	<p><b>New Zealand Defence Assessment on Climate Change</b>  <i>Ms. Jane Neilson, Senior Policy Analyst (Climate Change and Security), Ministry of Defence, New Zealand</i></p>
1 0 3 0 - 1 0 5 0	<p><b>Tropical Cyclone Gita: A HMAF Experience</b>  <i>Maj Soane Aholelei, Component Commander - Training, His Majesty's Armed Forces, Tonga</i></p>
1 0 5 0 - 1 1 0 0	BREAK 2
1 1 0 0 - 1 1 2 0	<p><b>Climate Change-Related Human Mobility in the Pacific</b>  <i>Dr. Nathan Ross, Development Manager, Climate Change and Environment, Ministry of Foreign Affairs &amp; Trade, New Zealand</i></p>
1 1 2 0 - 1 2 0 0	<p><b>Climate Security Panel Session</b>  Moderated by <i>Ms. Alexandra Pierard, Director, Global and Oceania International Branch, New Zealand Ministry of Defence, New Zealand</i></p>
1 2 0 0 - 1 3 1 5	WORKING LUNCH
1 3 1 5 - 1 3 3 5	<p><b>Pacific Environmental Security Partnership (PESP) Introduction</b>  <i>Mr. Christopher Sholes, Environmental Security Program Manager, U.S. Indo-Pacific Command</i></p>
1 3 3 5 - 1 3 4 5	<p><b>PESP Work Group Overview</b>  <i>Col Mike Matheis, Civil Engineer, U.S. Indo-Pacific Command</i></p>

## DAY 1 - CLIMATE SECURITY CHALLENGE IN THE PACIFIC (CONTINUED)

TUESDAY, 21 MAY 2019

		PESP Work Group Session #1			
		Education	Mitigation	Networking	Policy
1 3 4 5	- 1 4 0 5	<b>Environmental Sensitivity Index (ESI)</b> <i>Surgeon Captain Duminda Indunil Samarawickrama, Senior Command Officer, Western Naval Command, Sri Lanka Navy, Sri Lanka</i>	<b>Grounding of MV Solomon Trader: Its Intricacies and Related Experiences</b> <i>Mr. Joe Horokou, Director of Environment and Conservation Division, Ministry of Environment, Climate Change, Disaster Management and Meteorology, Solomon Islands</i>	<b>Information Sharing</b> <i>Mr. Jared Batzel, Pacific Disaster Center, J9, U.S. Indo-Pacific Command, USA</i>	<b>Climate Resilience practices in the U.S. Department of Defense</b> <i>Lt Col Chad Gemeinhardt, Military Deputy, Office of the Secretary of Defense - Environment, USA</i>
1 4 0 5	- 1 4 1 0	<b>MOVE TO NEXT SESSION</b>			
		PESP Work Group Session #2			
		Education	Mitigation	Networking	Policy
1 4 1 0	- 1 4 3 0	<b>Role of Maritime Domain Awareness in Governance</b> <i>Dr. Christopher Merritt, Maritime Technical Advisor, U.S. Mission to Association of Southeast Asian Nations</i>	<b>Climate Change Adaptation and Mitigation through Sustainable Management of Wetlands in the Southern Most Two Atolls of the Maldives</b> <i>Mr. Mohamed Hamdhaan Zuhair, Assistant Director, Environmental Protection Agency, Maldives</i>	<b>Using Diverse Networks to Find New Opportunities and Avoid Entrenchment</b> <i>Dr. George Woodman, Director, Teng Hoi Conservation Organization Ltd.</i>	<b>Climate Change and Defense: a National and International Roadmap</b> <i>Dr. Nicolas Regaud, Special Representative to the Indo-Pacific, France</i>
1 4 3 0	- 1 5 0 0	<b>BREAK 3</b>			
1 5 0 0	- 1 5 2 0	<b>Environmental Intelligence: Products and Decision Support Services from NOAA</b> <i>CAPT Barry Choy, Liaison Officer to U.S. Indo-Pacific Command, National Oceanic &amp; Atmospheric Administration (NOAA), USA</i>	<b>Humanitarian Mine Action Program</b> <i>Capt Julie Mages, Engineering Plans Officer, U.S. Indo-Pacific Command</i>	<b>Security Cooperation- A Case Study of Successful Tiger Conservation</b> <i>Mr. Sanjeev Pandey, Program Management Specialist, Office of Defense Cooperation, U.S. Embassy, Kathmandu</i>	<b>Compliance Monitoring Of Sustainable Coastal Management of Offshore Islands with Support from NZDF and Other Maritime Agencies</b> <i>Ms. Sarah Hucker, Senior National Resource Management Act Advisor, Department of Conservation, New Zealand</i>
1 5 2 0	- 1 5 2 5	<b>MOVE TO NEXT SESSION</b>			

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<p>1 5 2 5 - 1 5 4 5</p>	<p><b>Australia's Experience in Supporting Water Security in the Indo-Pacific</b>  <i>Mr. Russell Rollason, Assistant Director - Water Resource Management, Governance Fragility and Water Branch, Development Policy Division, Department of Foreign Affairs &amp; Trade, Australia</i></p>	<p><b>Conserving Natural Resources through Sustainable Design</b>  <i>MAJ Jim Servi, Engineering Plans Officer, U.S. Indo-Pacific Command</i></p>	<p><b>Combatting Environment and Forestry Crime through Multiple Instruments of Law Enforcement: Case of Forest Fire in Indonesia</b>  <i>Dr. Rasio Ridho Sani, Director General of Law Enforcement of Environment and Forestry, Ministry of Environment and Forestry, Indonesia</i></p>	<p><b>How to Reduce Open Burning in Southeast Asia</b>  <i>Dr. Qwanruedee Chotichanathawon, Director of Research Center for Environmental Strategy, Division of Research Policy and Plan, The National Research Council of Thailand</i></p>
<p>1 5 4 5 - 1 5 5 0 <b>MOVE TO PLENARY</b></p>				
<p>1 5 5 0 - 1 6 0 0</p>	<p><b>Administrative Summary and Waiata (Traditional Māori Song Practice for Evening Reception)</b>  <i>Mr. John Anakotta, Senior Policy Officer, Ministry of Foreign Affairs and Trade, New Zealand</i></p>			
<p>1 7 3 0 - 1 9 0 0</p>	<p><b>EVENING RECEPTION</b>  <i>The Grand Hall at Parliament Whakatau</i>  <i>Comments by the Honourable Winston Peters, Deputy Prime Minister and Minister of Foreign Affairs, New Zealand</i></p>			

## DAY 2 - ENVIRONMENTAL SECURITY AND RESOURCE SUSTAINABILITY

WEDNESDAY, 22 MAY 2019

0 9 0 0 - 0 9 0 5	<b>Administrative Remarks</b> <i>Mr. John Anakotta, Senior Policy Officer, Ministry of Foreign Affairs and Trade, New Zealand</i>
0 9 0 5 - 0 9 1 5	<b>Introduction to Environmental Security and Resource Sustainability Theme</b> <i>Mr. Justin Allan, Principal Maritime Policy Advisor, National Maritime Coordination Centre, New Zealand</i>
0 9 1 5 - 0 9 3 5	<b>Climate Change, Maritime Security and Resource Protection</b> <i>Rear Admiral David Proctor, Chief of the Royal Navy of New Zealand</i>
0 9 3 5 - 1 0 0 0	<b>Maritime Domain Awareness and Resource Protection</b> <i>Ms. Sylvie Goyet, Director of Climate Change and Environmental Sustainability Programme, Pacific Community</i>
1 0 0 0 - 1 0 3 0	<b>BREAK #1</b>
1 0 3 0 - 1 0 5 5	<b>Biosecurity Intelligence - Assessing Future Biosecurity Threats</b> <i>Dr. Eve Pleydell, Team Manager - Biosecurity Intelligence, Ministry for Primary Industries, New Zealand</i>
1 0 5 5 - 1 1 2 0	<b>Eradication of Island Invasives in the New Zealand Subantarctic</b> <i>Mr. Stephen Horn, Maukahuka Pest-Free Auckland Island Project Manager, Department of Conservation, New Zealand</i>
1 1 2 0 - 1 2 0 0	<b>Environmental Security and Resource Sustainability Panel Session</b> <i>Moderated by Mr. Justin Allan, Principal Maritime Policy Advisor, National Maritime Coordination Centre, New Zealand</i>
1 2 0 0 - 1 3 0 0	<b>WORKING LUNCH</b>
1 3 0 0 - 1 3 4 5	<b>Lessons from the Past: What Can Traditional Environmental Knowledge Teach Us?</b> <i>Ms. Melanie Mark-Shadbolt, Kaihautu Chief Māori Advisor, Ministry for the Environment, New Zealand</i>
1 3 4 5 - 1 4 1 5	<b>BREAK #2</b>
1 4 1 5 - 1 4 2 0	<b>Administrative Summary</b> <i>Mr. John Anakotta, Senior Policy Officer, Ministry of Foreign Affairs and Trade, New Zealand</i>
1 4 2 0 - 1 4 3 0	<b>Walk to Te Papa Museum</b>
1 4 3 0 - 1 6 0 0	<b>Traditional Māori and Environmental Exhibits Tour</b> <i>Te Papa Museum</i>

## DAY 3 - MULTILATERAL APPROACHES TO ENVIRONMENTAL SECURITY

THURSDAY, 23 MAY 2019

0 9 0 0 - 0 9 0 5	<b>Administrative Remarks</b> <i>Mr. John Anakotta, Senior Policy Officer, Ministry of Foreign Affairs and Trade, New Zealand</i>
0 9 0 5 - 0 9 1 5	<b>Introduction to <i>Multilateral Approaches to Environmental Security</i> Theme</b> <i>Air Commodore Kirrily Dearing, Director General Support J1/4, Headquarters Joint Operations Command (HQJOC), Australia</i>
0 9 1 5 - 0 9 3 5	<b>Multilateral Approach to Environment Security - A PIFS Perspective</b> <i>Mr. Terio Koronawa, Regional Security Officer, Pacific Islands Forum Secretariat</i>
0 9 3 5 - 1 0 0 0	<b>Bangladesh-India Sundarban Region Cooperation Initiative: A Vision for Joint Platform</b> <i>Dr. Uttam Kumar Sinha, Fellow and Managing Editor, Strategic Analysis, Institute for Defence Studies and Analyses, India</i>
1 0 0 0 - 1 0 3 0	<b>BREAK #1</b>
1 0 3 0 - 1 0 5 0	<b>Importance of Multilateral Cooperation for Mitigating Potential Environmental Security Threats in the SPREP Region</b> <i>Mr. Roger Cornforth, Deputy Director General, Secretariat of the Pacific Regional Environmental Programme</i>
1 0 5 0 - 1 1 2 0	<b>What, Who and How: Synergies for Environmental Security from a United Nations Perspective</b> <i>Dr. Lisa Guppy, Disaster and Conflict Regional Coordinator (Asia/Pacific), United Nations Environment Programme (UNEP)</i>
1 1 2 0 - 1 2 0 0	<b><i>Multilateral Approaches to Environmental Security</i> Panel Session</b> <i>Moderated by Air Commodore Kirrily Dearing, Director General Support J1/4, Headquarters Joint Operations Command (HQJOC), Australia</i>
1 2 0 0 - 1 3 0 0	<b>WORKING LUNCH</b>
1 3 0 0 - 1 3 1 5	<b>Environmental Security Exercise Introduction</b> <i>Mr. Justin Pummell, Geographer, U.S. Army Corps of Engineers, USA</i>
1 3 1 5 - 1 3 2 0	<b>Environmental Security Threat Identification</b>
1 3 2 0 - 1 3 5 0	<b>Regional Threat Prioritization Exercise</b>
1 3 5 0 - 1 4 1 5	<b>Regional Threat Prioritization Presentations</b>
1 4 1 5 - 1 4 4 5	<b>BREAK #2</b>
1 4 4 5 - 1 5 4 5	<b>Environmental Sensitivity Index Exercise</b>
1 5 4 5 - 1 6 0 0	<b>Environmental Security Exercise Summary</b> <i>Mr. Justin Pummell, Geographer, U.S. Army Corps of Engineers, USA</i>
1 6 0 0 - 1 6 1 0	<b>Administrative Summary</b> <i>Mr. John Anakotta, Senior Policy Officer, Ministry of Foreign Affairs and Trade, New Zealand</i>

## DAY 4 - ENVIRONMENTAL SECURITY TRANSFORMATION

FRIDAY, 24 MAY 2019

0 9 0 0 - 0 9 0 5	<p><b>Administrative Remarks</b>  <i>Mr. John Anakotta, Senior Policy Officer, Ministry of Foreign Affairs and Trade, New Zealand</i></p>									
0 9 0 5 - 0 9 1 5	<p><b>Introduction to <i>Environmental Security Transformation</i> Theme</b>  <i>Dr. John Wood, Director, Pacific Outreach (J9), U.S. Indo-Pacific Command</i></p>									
0 9 1 5 - 0 9 4 5	<p><b>PESP Terms of Reference</b>  <i>Mr. Christopher Sholes, Environmental Security Program Manager, U.S. Indo-Pacific Command</i></p>									
0 9 4 5 - 1 0 0 0	<p><b>PESP Structure</b>  <i>COL Mike Goodyer, Senior Environmental Planner, SPT Branch, Headquarters Joint Operations Command, Australia</i></p>									
1 0 0 0 - 1 0 3 0	BREAK #1									
1 0 3 0 - 1 1 1 5	PESP Terms of Reference Group Review									
	1	2	3	4	5	6	7	8	9	10
1 1 1 5 - 1 2 1 5	<p><b>Project Collaboration Development Session</b>  <i>Mr. Christopher Sholes, Environmental Security Program Manager, U.S. Indo-Pacific Command</i></p>									
1 2 1 5 - 1 3 1 5	WORKING LUNCH									
1 3 1 5 - 1 4 0 0	Project Collaboration Outbriefs by Countries									
1 4 0 0 - 1 4 3 0	<p><b>Environmental Security After-Action Review Elaboration Session</b>  <i>Moderated by Col Mike Matheis, Civil Engineer, U.S. Indo-Pacific Command</i></p>									
1 4 3 0 - 1 4 4 5	<p><b>2020 Pacific Environmental Security Forum Proposal</b>  <i>CG/CDR Lazaro Ernesto C. Valdez, Jr., Chief of Staff, National Coast Watch Center, Philippines</i></p>									
1 4 4 5 - 1 5 1 5	BREAK # 2									
1 5 1 5 - 1 5 3 0	<p><b>Closing Ceremony</b>  Comments by:  <i>Rear Admiral John J. Adametz, Commander, Naval Facilities Engineering Command Pacific, USA</i>  and  <i>Her Excellency Kay Harrison, Climate Change Ambassador, Ministry of Foreign Affairs and Trade, New Zealand</i></p>									
1 5 3 0 - 1 6 0 0	Certificate and Photo Distribution									