



2023 Coastal Resilience Workshop (CRW)

Protection, Restoration & Incorporating Ridge to Reef and Traditional Methodologies

12-14 September 2023, Koror, Palau

Agenda – Day 1, 12 September 2023 (Tuesday)

THEME: Research & Development for Resilient Coastal Ecosystems

Master of Ceremonies: Ms. Symone Esichang Ubedei, Chief of the Division of East Asia, Bureau of Foreign Affairs and Trade, Ministry of State, Republic of Palau

Moderator for the Session: Dr. Chris Kitalong, Vice President, Palau Community College

0730-0800	REGISTRATION
0800-0810	PRAYER
0810-0825	Welcome Remarks Honorable Minister Steven Victor, Palau Ministry of Agriculture, Fisheries, and Environment
0825-0840	Remarks on Coastal Ecosystem Connectivity & Resilience Dr. Yimnang Golbuu, Coral Resilience Director, The Nature Conservancy, Palau
0840-0900	SERDP/ESTCP Program Overview and Coastal Resilience: Past Investments & Future Directions Dr. John Hall, Consultant, Strategic Environmental Research and Development Program (SERDP) and Environmental Security Technology Certification Program (ESTCP)
0900-0910	Remarks and CRW Agenda Summary Mr. Christopher Sholes, Environmental Security Program Manager, U.S. Indo-Pacific Command (USINDOPACOM)
0910-0915	Group Photo
0915-0945	BREAK
Panel Session - R&D Priorities for Coastal Ecosystem Protection, Restoration, and Incorporating Traditional Methodologies	
0945-1005	A Cross-Disciplinary Approach to Engineering a Living, Coastal Breakwater System in Hawai'i Dr. Robert J. Toonen, Professor & Ruth D. Gates Endowed Chair of Coral Reef Systems, Hawai'i Institute of Marine Biology, University of Hawai'i at Mānoa, and Dr. Ben Jones, Director, Ocean Science and Technology, Applied Research Laboratory, University of Hawai'i
1005-1025	Lessons Learned from Mangrove Restoration in Indonesia Dr. Frida Sidik, Senior Researcher, Research Center for Oceanography, National Research and Innovation Agency, Indonesia
1025-1055	Complementary Methods for Responding to and Treating Stony Coral Tissue Loss Disease (SCTLD) Dr. Marilyn Brandt, Research Professor, Director, Reef Response, Center for Marine and Environmental Studies, University of the Virgin Islands and Ms. Erin Papke, Researcher, University of North Carolina Wilmington
1055-1115	Connecting Blue Carbon, Resiliency & Environmental Security Dr. Gabrielle Johnson, Senior International Program Manager on contract to National Oceanic & Atmospheric Administration (NOAA) - Marine Protected Area (MPA) Center
1115-1200	Panel Session Q&A Moderated by Dr. Chris Kitalong
1200-1210	DAY 1 WORKING GROUP OVERVIEW AND LOGISTICS Ms. Symone Esichang Ubedei
1210-1310	LUNCH BREAK
1310-1440	Coastal Ecosystem R&D Working Groups: 1) Coastal Ecosystem Protection

The CRW is co-funded by U.S. Indo-Pacific Command (USINDOPACOM), Department of Defense's (DoD) Strategic Environmental Research & Development Program (SERDP), and Environmental Security Technology Certification Program (ESTCP).



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	<u>Facilitators</u> Ms. Elchung Hideyos, Senior Extension Agent - Youth and Community, Palau Community College Dr. Robert J. Toonen, Professor & Ruth D. Gates Endowed Chair of Coral Reef Systems, Hawai'i Institute of Marine Biology, University of Hawai'i at Mānoa Dr. Derek Manzello, Coordinator, NOAA Coral Reef Watch, Center for Satellite Applications and Research, Satellite Oceanography & Climatology Division Dr. Yimnang Golbuu, Coral Resilience Director, The Nature Conservancy, Palau 2) Coastal Ecosystem Restoration <u>Facilitators</u> Dr. Adam Smith, Founder and Chief Executive Officer, Reef Ecologic, Australia Dr. Richard Page, Researcher, Palau Community College Dr. Ben Jones, Associate Director of Ocean Science and Technology, Applied Research Laboratory, University of Hawai'i Ms. Yvonne Ueda, Palau Conservation Manager, The Nature Conservancy 3) Ridge to Reef/ Traditional Practices <u>Facilitators</u> Ms. Ann Kloulechad-Singeo, Executive Director of Ebiil Society Inc. Dr. Jessica Carilli, PhD, Scientist, Naval Information Warfare Center, Pacific Mr. Phal Mantha, Director of Agriculture and Sustainability, Ridge to Reefs, Inc. Ms. Andrea Uchel, Chief Resilience Officer, Koror State Government
1440-1510	BREAK
1510-1640	Coastal Ecosystem R&D Working Groups (continued)
1640-1650	Administrative Notes - Ms. Symone Esichang Ubedei
1650-1710	TRAVEL BACK TO HOTEL FOR SOCIAL HOUR
1800-2000	Social Hour at Palau Pacific Resort, Beachside

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Agenda – Day 2, 13 September 2023 (Wednesday)

THEME: Technology for Resilient Coastal Ecosystems

Moderator for the Session: Ms. E. Ikelau Otto, Chief Researcher, Palau International Coral Reef Center

0800-0830	NEW REGISTRATIONS/ PARTICIPANTS ARRIVAL
0830-0835	Administrative Remarks / Theme Introduction Ms. E. Ikelau Otto, Chief Researcher, Palau International Coral Reef Center
<u>Panel Session – Key Technology Applications and Applying Lessons Learned for Coastal Ecosystem Protection, Restoration, and Incorporating Traditional Methodologies</u>	
0835-0855	“Using Early Warning Systems for Coastal Ecosystem Protection – Coral Reef Watch and WaveForce” Dr. Derek Manzello, Coordinator, NOAA Coral Reef Watch, Center for Satellite Applications and Research, Satellite Oceanography & Climatology Division
0855-0915	Coral Restoration in Southeast Asia: Lessons Learned and How to Move Forward by Using Low Technologies Dr. Suchana (Apple) Chavanich, Professor, Chulalongkorn University, Thailand
0915 -1000	Science and Technology to Support Healthy Coral Reefs, and the People Who Depend on Them Mr. David Mead, Executive Director of Strategy and Development, Australian Institute of Marine Science (AIMS)
1000-1030	BREAK
1030 – 1050	Nature-based Solutions for Mitigating Sediment and Nutrient Transport into Sensitive Coastal Ecosystems Mr. Phal Mantha, Director of Agriculture and Sustainability, Ridge to Reefs, Inc.
1050-1140	Panel Session Q&A Moderated by Ms. E. Ikelau Otto
1140-1150	DAY 2 WORKING GROUP OVERVIEW AND LOGISTICS Ms. Symone Esichang Ubedei
1150-1300	LUNCHTIME SESSION - SERDP & ESTCP PROGRAM FUNDING PROCESS OVERVIEW Dr. John Hall
1300-1430	Coastal Ecosystem Technology Working Groups: 1) Coastal Ecosystem Protection 2) Coastal Ecosystem Restoration 3) Ridge to Reef/ Traditional Practices Facilitators and Participant Working Group assignments are the same as Day 1.
1430-1500	BREAK
1500-1630	Coastal Ecosystem Technology Working Groups (continued)
1630-1640	Administrative Notes - Ms. Symone Esichang Ubedei
1640-1700	TRAVEL BACK TO HOTEL



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Agenda – Day 3, 14 September 2023 (Thursday)

THEME: Holistic Management for Resilient Coastal Ecosystems

Moderator for the Session: Ms. Yvonne Ueda, Palau Conservation Manager, The Nature Conservancy

0730-0800	NEW REGISTRATIONS/ PARTICIPANTS ARRIVAL
0800-0805	Administrative Remarks / Theme Introduction Ms. Yvonne Ueda, Palau Conservation Manager, The Nature Conservancy
0805-0815	Sharing of a Palauan Traditional Story around the Importance of Conserving Coastal Ecosystems Ms. Meked Besebes, Independent Consultant & Member, Ebiil Society, Palau
Panel Session - Holistic Management for Resilient Coastal Ecosystems	
0815-0835	A Resilience Strategy for the Rock Islands Southern Lagoon – Our Heritage: Our Key to Resilience Ms. Andrea Uchel, Chief Resilience Officer, Koror State Government
0835-0855	Integrated Landscape Management - The Fiji Ridge to Reef (R2R) Project Approach Mr. Jalesi Mateboto, Programme Leader, Sustainable Forests and Landscapes, Land Resources Division, The Pacific Community (SPC)
0855-0905	Advancing Coastal Ecosystem Restoration and Protection through Indigenously Driven Adaptive Strategies Mr. William Kostka, Executive Director, Micronesia Conservation Trust
0905-0950	Panel Session Q&A Moderated by Ms. Yvonne Ueda
0950-1005	BREAK
1005-1130	Working Groups Gather to Develop Out-brief to the Plenum
1130-1230	Working Group Sessions Out-brief: 1) Coastal Ecosystem Protection 2) Coastal Ecosystem Restoration 3) Ridge To Reef/ Traditional Practices (15-20 mins each) Led by Ms. Symone Esichang Ubedei
1230-1235	PARTICIPANT SURVEY
1235-1245	Closing Remarks
1245-1300	BOX LUNCH DISTRIBUTION & GATHER FOR SITE VISIT
1300-1800	Site Visit to Palau International Coral Reef Center Coral Reef Monitoring Site at Rock Island, Coral Nursery, and Lighthouse Reef