

— 6TH ANNUAL —



**PERSEVERANCE,
BUILDING RESILIENCE,
AND NAVIGATING
THE WAY FORWARD.**



AUGUST 18 & 19, 2021
DUSIT THANI GUAM RESORT



A MESSAGE FROM THE GOVERNOR AND LT. GOVERNOR

Håfa Adai!

The theme for this year's 2021 Assembly of Planners is *"Perseverance, Building Resilience, and Navigating the Way Forward."* Channeling the resilient spirit of those who came before us, these words manifest the endless possibilities for Guam and our people as we work towards rebuilding our island from the unprecedented effects of the deadly COVID-19 virus.

When FEMA first analyzed the potential course of this pandemic, their models projected we could lose up to 3,000 lives if we did not intervene. Guided by science and medical expertise, our Administration quickly implemented policies to protect our people and save lives. In navigating the past 16 months of response, we first prioritized the health of our people. Now, as we celebrate Operation Liberate Guam, our local effort to achieve herd immunity, we begin to lay the foundation for economic recovery. Throughout our island's history--through war, super typhoons, and earthquakes, we persevere. And as we have time and again, our people always come back stronger.

We are at a critical juncture in Guam's history, poised with an opportunity to build our island anew, improve our quality of life, and expand economic prosperity. For this reason, we are pleased with the commencement of the 2021 Assembly of Planners Symposium. In its sixth year, this annual event continues to elevate and enhance long-term planning for our island. This symposium allows us to share information on plans and objectives by leading public and private sector entities to work together to make these plans a reality.

We are confident that meaningful discussions and exchange of views at the 2021 Assembly of Planners will produce new ideas and perspectives that will inform future government policy. We also congratulate the Bureau of Statistics and Plans and all those who helped make this event possible.

Si Yu'os Ma'åse.


Lourdes A. Leon Guerrero
Maga'hågan Guåhan
Governor of Guam


Joshua F. Tenorio
Sigundo Maga'låhen Guåhan
Lieutenant Governor of Guam





Office of the Speaker THERESE M. TERLAJE

I Mina'trentai Sais na Liheslaturan Guåhan | 36th Guam Legislature
Committee on Health, Land, Justice and Culture

August 18, 2021

Congratulations to all our planning, resource, and policy communities on the Sixth Annual Assembly of Planners Symposium!

The Chamorro people, for 4000 years, have modeled *Perseverance, Building Resilience, and Navigating the Way Forward* and we continue to build upon those values today. Our young government, through its critical agencies, have enlisted and trained generations in the imperative tasks of fostering environmental awareness, natural resource stewardship, and protecting coastal habits.

Guam's history, values, and prosperity are tied to its land, water resources, and ecosystems. Undoubtedly, navigating land and coastal resource use in the face of strained resources, climate change, and competing development interests will be challenging, but with hard work and care for each other, we will succeed in growing a sustainable economy, facilitating health, preserving and evolving cultural practices, and improving overall quality of life.

Special thanks to the Guam Coastal Management Program on its consistent leadership in this annual symposium, and on being an integral part of protecting the island's natural resources since 1979.

Dangkolo na Si Yu'os Ma'åse' to each of the attendees, their agencies, and private partners who care for Guam's land and coastal resources. May we continue to work together in *Perseverance, Building Resilience, and Navigating the Way Forward*.

Sincerely,

Therese M. Terlaje

Guam Congress Building, 163 Chalan Santo Papa, Hagåtña, Guam 96910

Tel: (671) 472-3586 | Fax: (671) 969-3590 | Email: senatorterlajegum@gmail.com | www.senatorterlaje.com

*For transmittal of official Messages & Communications to the Guam Legislature to be distributed to all Senators, please send to: speaker@guamlegislature.org



MESSAGE FROM THE BUREAU OF STATISTICS AND PLANS

Hafa Aдай,

Welcome to the 2021 Assembly of Planners Symposium! Now in its sixth year, the theme for this year's symposium is "*Perseverance, Building Resilience, and Navigating the Way Forward*." Despite the setbacks from the COVID-19 pandemic, our island still has many opportunities before us moving forward. This includes opportunities to improve our quality of life and expand economic prosperity that will benefit all our people. Meeting the needs of a growing population, in a community with limited land space necessitates serious examination at the long term concerns and solutions as well. Indeed, fostering solutions is one of many objectives of this annual event.

Following opening remarks from Governor Lourdes Leon Guerrero and a keynote address by **Karl Kim** of the University of Hawaii at Manoa, our agenda kicks off day one of the symposium with the first of five sessions. Session one will focus on the findings related to the various **Flooding** issues presented by the Guam Silver Jackets Flood Policy and Working Group. The second session, **Designing Smart Growth Solutions**, will cover perspectives from members of the American Institute for Architects Marianas Chapter. Finally, the last three sessions will focus on **Zero Waste** to include food recovery update, bio-solids composting, and green roadway infrastructure respectively.

We will commence day two with opening remarks from Lt. Governor Joshua F. Tenorio and a keynote address from Colby Stanton, Director of Readiness, Pacific Area Office FEMA Region IX. This will be followed by a presentation from the Pacific Risk Management O'hana (PRIMO) on "**Optimizing the National Disaster Recovery Framework Recovery Support Functions**." PRIMO will facilitate a discussion of the opportunities presented by a coordinated, integrated approach to disaster recovery, encompassing both the current COVID-19 recovery effort and future recoveries from disasters of any type.

I look forward to an exciting and productive symposium. This annual event continues to elevate and enhance long-term planning for our island. This two day event provides a platform to share information on plans and objectives by leading public and private sector entities in order to make these plans a reality. I would like to congratulate and thank the staff of the Bureau of Statistics and Plans in particular the Guam Coastal Management Program, as well as all our sponsors, and all those who helped make this event possible.

Si Yu'os Ma'åse'!

Tyrone Taitano
Bureau of Statistics and Plans



DAY 1, AUGUST 18, 2021

● 8:00 AM – 8:30 AM REGISTRATION AND COVID-19 PROTOCOLS

● 8:30 AM – 8:40 AM **INTRODUCTORY REMARKS**
EDWIN REYES, GCMP ADMINISTRATOR



MISTRESS OF CEREMONY
GINGER CRUZ,
MANTID INTERNATIONAL, FOUNDER AND CEO



Ginger Cruz is the founder and CEO of Mantid International, an award-winning management consulting firm with operations in Guam, Iraq, Lebanon and Washington DC. Ginger, a graduate of the University of Pennsylvania with a Master's in International Public Policy from Johns Hopkins School for Advanced International Studies, previously served eight years as the Deputy Inspector General for Iraq Reconstruction leading a team that provided oversight of the \$62 billion spent in Iraq by the US Government. Cruz is a lifetime member the Council on Foreign Relations, also served as a Deputy Assistant Secretary of Public Affairs at the U.S. Department of Housing and Urban Development. Cruz was the communications director for the Governor of Guam, and was news director, anchor, and producer for two NBC affiliates in Guam and Tennessee. She also worked as the Public Information Officer for the Bureau of Planning from 1990-92 where she authored Wetlands Regulations and helped produce the first federal grant for Compact Impact.

● 8:40 AM – 9:00 AM **WELCOME REMARKS**
TYRONE TAITANO, BSP DIRECTOR



OPENING REMARKS
GOVERNOR LOU LEON GUERRERO



The purpose of the Assembly of Planners' Symposium is to address meaningful land and natural coastal resource issues or problems that could be resolved through the collective focus of Guam's planning, resource, and policy communities through a forum that:

- Works to improve management systems and advance effective policy;
- Discusses issues through the use of science, data, and research that serve as the foundation for decisions;
- Provides professionals with the opportunity for face-to-face discussion and sharing of information that is useful in identifying solutions, improving services, and avoiding or mitigating the adverse effects of poor planning, development, and natural hazards;
- Works to optimize and coordinate comprehensive planning.

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DAY 1, AUGUST 18, 2021

KEY NOTE SPEAKER

● 9:00 AM – 9:30 AM

KARL KIM, PH.D.
DEPARTMENT OF URBAN AND
REGIONAL PLANNING.
UNIVERSITY OF HAWAI'I AT MĀNOA



Karl Kim, PhD., is Professor of Urban and Regional Planning at the University of Hawaii at Manoa, and Director of the graduate program in Disaster Management and Humanitarian Assistance. He holds appointments in the Center for Korean Studies and the School of Architecture at the University of Hawaii. He studies transportation, cities, and resilience (<https://orcid.org/0000-0003-0528-8747>). He was educated at Brown University and the Massachusetts Institute of Technology and has been a Fulbright scholar to Korea and the Russian Far East.

Previously, he served as the Chief Academic Officer (Vice Chancellor for Academic Affairs) overseeing tenure and promotion, accreditation, strategic planning, and program review for the Manoa campus. He is Executive Director of the National Disaster Preparedness Training Center (ndptc.hawaii.edu), authorized by the U.S. Congress to develop and deliver FEMA certified training courses for underserved, at-risk communities on natural hazards, mitigation, and urban planning. The Center has trained more than 55,000 first responders, emergency managers, and leaders in over 500 communities across the world. Dr. Kim has served as Chairman of the National Domestic Preparedness Consortium (ndpc.us). He serves on the board of the North American Alliance for Hazards and Disaster Research Institutes (<https://www.naahdri.org/>) and the Pacific Risk Management Ohana (<https://coast.noaa.gov/primo/>).

He is Editor-in-Chief of Transportation Research Interdisciplinary Perspectives (Elsevier) and Section Editor of Transportation Research Part D (Environment) and is editing a 10-volume series on disaster risk reduction and resilience (Routledge). He has developed and led research and training programs in Vietnam, Philippines, and Indonesia.

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DAY 1, AUGUST 18, 2021

SESSION 1: FLOODING

● 9:30 AM – 10:30 AM EVANGELINE D. LUJAN

GUAM WATERWORKS AUTHORITY, SENIOR REGULATORY ANALYST



Vangie is a Senior Regulatory Analyst with the Guam Waterworks Authority. Her primary responsibility at GWA is to ensure compliance environmental regulations related to safe and clean water. Vangie has been appointed as the Chair for the Governor of Guam's Climate Change and Resiliency Commission and the Co-Chair for the Governor's Guam Green Growth Initiative. Vangie is also appointed by the Governor as Focal Point for the Micronesia Challenge for Guam. She started her career in government service as the Geographic Information System Manager at the Bureau of Statistics and Plans and was the Administrator for the Guam Coastal Management Program.

This session will focus on presenting the findings related to the investigation of various flooding issues that the Guam Silver Jackets Flood Policy Working Group presented during the 2020 Assembly of Planners' Symposium. It will examine the physical, regulatory, and policy root causes of problems that contribute to the hinderance of flood prevention as well as flood solutions and financing. The panel will cover how the National Flood Insurance Program requirements is being applied to development as well as set the stage for Guam's progress toward complying with the Municipal Separate Storm Sewer System (MS4) Program.

PANELIST

CAPT. BRIAN G. BEARDEN
M.S., P.E., BCEE

Guam Environmental
Protection Agency,
US Public Health Service,
Chief Engineer,
Water Division Director

CDR Brian Bearden is a commissioned officer with the U.S. Public Health Service, detailed to the U.S. Environmental Protection Agency, and currently assigned to the Guam EPA. As Chief Engineer, CDR Bearden oversees all activities of Guam EPA's Water Division. CDR Bearden received a bachelor's degree in Mechanical Engineering from Colorado State University, and a master's degree in Environmental Engineering and Science from Johns Hopkins. His 29 years of professional engineering experience includes more than 21 years in Micronesia, and spans a wide range of work in both the private sector and government.



**SENATOR SABINA
FLORES PEREZ**

36th Guam Legislature

Senator Sabina Flores Perez is a member of the 36th Guam Legislature. She serves as Majority Whip and Chairperson for the Committee on Environment, Revenue and Taxation, Labor, Procurement, and Statistics, Research and Planning. Senator Perez has provided a critical voice for change to increase effectiveness and responsiveness of government, protecting the public interest, and creating a strong network of community leaders in a shared vision of a sustainable, thriving, and compassionate island family.



VINCE ARRIOLA

Department of Public Works,
Director

Vincent "Vince" Arriola currently the Director of the Department of Public Works, brings decades of experience in the legislative and executive branches of government, as well as the private sector. Arriola was the Deputy Director of the Department of Administration, until 2018, and as Executive Director for the Guam Legislature from 2010 to 2016. Early in his career, Arriola also served as the Director for the Bureau of Planning. From 1997 to 2003, he was the General Manager for the Guam Telephone Authority, which at the time was preparing for privatization.



RANDY ROMERO

Department of Public Works,
Guam Floodplain
Administrator

Randy Romero is the Building Inspections and Permits Administrator for the Department of Public Works. Prior to DPW, Randy began his government career in the Department of Education serving more than 24 years in numerous positions with the last 15 years as a Program Coordinator IV. As a PCIV Randy was responsible for all Capital Improvement Projects that consisted of facility assessment, planning, grant/funding management, project development, procurement, contract management, project management, and closeout.



LEO ESPIA

Guam State Hazard
Mitigation Officer,
Guam Homeland Security

Mr. Leo Rustum J. Espia currently serves as the State Hazard Mitigation Officer for the Guam Homeland Security/Office of Civil Defense (GHS/OCD). His leadership and service in GHS/OCD involved managing the Emergency Operations Center (EOC), in his capacity as the EOC Director, and its activities as they relate to its mission of coordinating and facilitating all GovGuam, military, and Federal liaison response agencies and their resources in mitigating, preparing, responding, and recovering from all types of emergencies to protect the lives, environment, and property of the island of Guam.



● 10:30 AM – 10:45 AM

BREAK

SESSION 2: DESIGNING FOR SMART GROWTH

10:45 AM – 11:45 AM **RENATO O. MARTINEZ** AIA, NCARB, LEED AP BD+C BOARD MEMBER, AIA MARIANAS



Renato (aka Tato) has been a member of the AIA since 1991 and is a two-term past president of AIA Marianas, where he currently serves as a member of the Executive Board. Tato currently works for the Guam office of HDR, an Omaha, NE-based architectural and engineering firm with a diverse design portfolio, but is known primarily as a leader in healthcare design and planning. Tato has worked on various commercial and federal projects on Guam since 2006, notably as the Project Manager for the Guam Regional Medical City (under the Designer-of-Record, Setiadi Architects LLC).

This session will discuss Smart Growth initiatives that align with the American Institute of Architects (AIA) Policy Platform of Healthy Communities, Climate Action and A Future Economy. Panelists include architects of the AIA Marianas and Mayor Jessy Gogue of Ordot-Chalan Pago, and will provide insights on the Guam challenges in the application of sustainable principles in planning and design, including the Guam Tropical Energy Code, and discuss the value of design in nurturing community wellbeing.

PANELIST

INNA WIESE
AIA, LEED AP BD+C
President, AIA Marianas

Inna Wiese is the current President of the local chapter of the American Institute of Architects, AIA Marianas. Inna is an Associate at RIM Architects, Guam where she started her professional career after graduating with a B.S. degree in Architecture from Mapua Institute of Technology in Manila, Philippines. Inna has been living in Guam for a total of 16 years and is an advocate for good design, sustainability and resiliency of the built environment for the island.



BRENT WIESE
NCARB, LEED AP BD+C
Board Member, AIA Marianas

Brent Wiese is the current Chairman of the Guam Building Code Council, Managing Principal of RIM Architects, Guam, and Board Member of the American Institute of Architects, Marianas Chapter. Brent is a Member of the Island Sustainability Community Advisory Board. He is passionate about good design, building codes, accessibility, and sustainability. He is often found in the boonies of Guam on weekends.



MAYOR JESSY GOGUE
Mayor of Ordot-Chalan Pago

Mayor Jessy Cruz Gogue began his public service in January 2009. He served as an Ex-Officio Member for the Guam Education Policy Board (2009, 2010) and a State Advisory Group Member for the Department of Youth Affairs (2011, 2012); He is a Member of Guam's Red Ribbon Week Planning Committee; and Advisory Board Member, Sanctuary Incorporated. He represented the Mayors' Council of Guam as liaison to the Consolidated Commission on Utilities and the Guam Legislature.



11:45 AM – 12:00 PM INTRODUCTION TO BREAKOUT SESSIONS

12:00 PM – 1:00 PM LUNCH

LUNCH SESSION

REALIZING CONSERVATION DISTRICTS WITHIN THE GUAM COMPREHENSIVE DEVELOPMENT PLAN

12:00 PM – 12:40 PM **EDWIN REYES** GCMP ADMINISTRATOR



This session will cover an overview of the utility of the Guahan 2050 Sustainability Plan and will discuss the benefits of Conservation Districts and provide information on what to expect when developing in these recognized areas.

PRESENTERS

CHELSEY WILLETTS, GCMP, GUAM SEASHORE RESERVE PLAN



CHRISTIAN BENITEZ, GCMP, FOREST LEGACY ACT



JOE QUINATA, ATANTANO HERITAGE MASTER PLAN



ERICA PANGELINAN, SOUTHERN GUAM SOIL AND WATER CONSERVATION PLAN



LUNCH SESSION CONT.

CRDC RESIN8™ PLASTIC PROJECT

● 12:40 PM – 1:00 PM

DONALD THOMSON

CRDC GLOBAL FOUNDER AND CHAIRMAN

Donald Thomson is the Founder and Chairman of CRDC Global, a company that specializes in creating value from the world's plastic waste. He is the driving force behind the company's unique and proprietary process that accepts any type of plastic waste and converts it into a range of concrete additives, marketed under the product name RESIN8™. Donald started his career as a product designer in Canada before relocating to Costa Rica in 1990. Combining his passion for innovation with his knowledge of construction, he successfully filed multiple global patents for prefabricated panels used in housing prior to starting CRDC Global.



This presentation will highlight CRDC Global's unique process that accepts any type of plastic, RESIN8's superior product performance that has earned acceptance by the construction industry, the exceptional environmental credentials of RESIN8, and highlight why CRDC Global's solution is ideal as an island-based solution where all material can be collected, processed, and used on the island.

● 1:00 PM – 2:00 PM

CONCURRENT BREAKOUT SESSION

ENABLING OUR PACIFIC PARTNERS-

HONOLULU DISTRICT CIVIL & PUBLIC WORKS 101

Grand Ballroom

RHIANNON
KUCHARSKI

Chief Civil and Public
Works Branch
And Legislative Liaison
Honolulu District

Rhiannon is the Chief of the Civil and Public Works Branch and Legislative Liaison at the Honolulu District, U.S. Army Corps of Engineers. In this capacity, she manages the civil and public works portfolio across the project lifecycle from inception through operations and maintenance, as well as interagency and international support services. She is a member of the national Planning Workforce Development Committee and course lead for the Water in the Watershed Prospect Course. She was formerly the Chief of the Watershed Assessment and Ecosystem Restoration planning section at the Sacramento District (SPK) of the U.S. Army Corps of Engineers.



JEFF HERZOG

USACE
Deputy Director,
Project Management
Division

Jeff is the Program Manager for the Ala Wai Canal Flood Risk Management Project, the largest Civil Works Project in the history of the Pacific Ocean Division. He serves as the Program Manager for the PL 84-99 Flood Control Emergency Repair Program; the Pacific Islands Silver Jackets Coordinator for interagency collaboration in Hawaii, Guam, CNMI, and American Samoa; as well as the USACE Liaison to the State of Hawaii Emergency Operations Center.



MARRIAH ABELLERA

Coastal Program Manager and
coastal leader for the U.S. Army
Corps of Engineers

MATTHEW SMITH

2021 NOAA Sea Grant Knauss Fellow
and Coastal Resource Specialist
with the U.S. Army Corps of Engineers

JOHN KUCHARSKI

Senior research scientist and
economist for the US Army
Corps of Engineers

Royal Ball Room A

COMMUNITY-CENTRIC VILLAGE PLANNING AMERICAN INSTITUTE OF ARCHITECTS

AARON
BURGER

Associate AIA
Secretary AIA Marianas

Aaron has enjoyed living and working on Guam since 2001. Shortly after completing his Bachelor of Architecture Degree he moved to Guam and became engaged civil and structural engineering practices throughout Micronesia and the Marianas. More recently his endeavors have focused on cartography and geographic information systems as tools for planning and analysis of federal and commercial projects. He is the founder of Ripple Industries and supports local business and design firms with products to make informed and sustainable decisions.



Royal Ball Room B

OBTAINING FEDERAL CONSISTENCY

JULIAN
JANSSEN

Federal Consistency
Coordinator, GCMP

Mr. Julian Janssen is the Federal Consistency Coordinator of the Guam Coastal Management Program. He worked in the Guam Legislature and in the United States Congress for a total of ten years as a policy analyst and researcher. Mr. Janssen earned his Bachelor of Arts in Political Science from the University of Guam in 2008.



SESSION 3-ZERO WASTE

● 2:00 PM – 2:30 PM

FOOD RECOVERY UPDATE

CORY HINDS, P.E., JACOBS



Mr. Hinds is the Jacobs Project Manager for the development and implementation of a sustainable materials management program for Guam. With 25 years of experience in planning, design, construction administration, solid waste, wastewater, transportation, site development, and facilities, Mr. Hinds has developed a reputation for developing practical, cost-effective technical solutions tailored to the project need. He has direct experience in sustainable materials management; landfill design, construction and operation; and biosolids composting. He has personally worked on this Guam food donation project for the last 2 years.

This Session will cover an update on food recovery project between the Hyatt Regency Guam, Salvation Army, and Guam Department of Public Health and Social Services.

LOURDES HONGYEE Program Coordinator, Salvation Army



Lourdes (Lou) Hongyee is a Program Coordinator at the Salvation Army Lighthouse Recovery Center where she writes grants and coordinates the needs of the programs. Her most recent accomplishment is leading the LCR team in writing a grant for Women's Recovery Treatment Facility which was awarded a HUD Community Development Block Grant for more than 2 million dollars in 2019. Lou graduated with a Bachelor's degree in Business Administration at the University of Guam. She is currently the Treasurer of the Guam Homeless Coalition and a past board member of Government of Guam's Civil Commission from 2005 to 2019.

LEILANI NAVARRO DPHSS, DEH, Food Safety Program



Leilani Navarro is the Acting Environmental Public Health Officer Administrator for the Bureau of Inspection and Enforcement of the Department of Public Health and Social Services (DPHSS). She oversees many high-priority environmental health programs of DPHSS, such as those that conduct sanitation inspections of food establishments. Leilani received a Bachelor's degree from the University of the Philippines and began her career with DPHSS in 2014 as an Environmental Public Health Officer I where her primary duty was to conduct inspections of various health-regulated establishments. She was later assigned as the Food Safety Program Manager for DPHSS and continues to serve in this capacity to provide guidance to the industry regarding the Guam Food Code and other applicable regulations. She has maintained her Certified Professional for Food Safety (CP-FS) certification with the National Environmental Health Association since 2016.

MIRKO AGOSTINI/HYATT Executive Chef, Hyatt Regency Guam



Mirko Agostini is the Executive Chef at Hyatt Regency Guam. Chef Agostini has spent more than 20 years perfecting his culinary expertise in Italy, his native country, Switzerland, London, Australia, Korea and Bali. A resident of Guam since 2012, Chef Agostini inspires the island with his culinary innovation through creative signature dishes featuring local flavors at Hyatt Regency Guam's Al Dente and Café Kitchen.

● 2:30 PM – 2:45 PM

BREAK



DAY 1, AUGUST 18, 2021

SESSION 4 -ZERO WASTE

● 2:45 PM – 3:15 PM

BIOSOLIDS COMPOSTING

CONCHITA TAITANO GEPA Air and Land Administrator

Conchita has been with the Guam Environmental Protection Agency (Guam EPA) for 29 years and working as the Air and Land Division Administrator for over 22 years overseeing the Air Program, Pesticides Program, Hazardous Waste Program (which includes RCRA C, RCRA I and SPCC), and the Solid Waste Program. Conchita received her Bachelor of Science in Biology and Masters of Science degrees from the University of San Francisco. In addition, she studied Environment and Sustainable Development from the United Nations University in Tokyo, Japan. She also studied Environmental Policy Making from the UNESCO Water Institute in the Delft, Netherlands.



TODD WILLIAMS, P.E., BCEE Jacobs

Mr. Williams has a 39-year career in environmental engineering with operating and design experience and a specific emphasis on biosolids management planning, and product utilization. Todd has assisted many wastewater cities, agencies and communities throughout North America in developing sustainable biosolids management programs. He has direct experience with new and emerging biosolids treatment technologies such as digestion, drying, pyrolysis, gasification and composting. Todd is the past Chair of the Water Environment Federation's Residuals and Biosolids Committee and currently serves as Jacobs Engineering's Residuals Resource Recovery Global Technology Leader.



This session will reveal laboratory data results on the quality of the biosolids compost, risk screening level results, and next steps.

SESSION 5-ZERO WASTE

● 3:15 PM – 4:15 PM

GREENING ROADWAY INFRASTRUCTURE

JULIE CARVER, P.E. Principal, Congruent Environmental Strategies, LLC

Julie Carver is the Founding Principal of Congruent Environmental Strategies, LLC a woman-owned small business providing sustainability and strategic environmental management consulting services to public and private-sector clients. Prior to starting Congruent in 2015, she worked for 20+ years for several international engineering firms. Ms. Carver is a subject matter expert in the redevelopment of contaminated properties, sustainable materials management, zero waste and environmental regulatory compliance. She holds a Bachelor of Science in Geological Engineering from the South Dakota School of Mines (SD Mines), a Master of Science in Environmental Science & Engineering from the Colorado School of Mines and is a registered professional engineer. Ms. Carver currently serves as the Chairperson of the Board of Directors for the SD Mines Center for Alumni Relations & Advancement, an External Advisory Board Member for the SD Mines Institute for Sustainable Solutions and is a Guest Lecturer in the Civil Engineering Department at SD Mines.



CONCHITA TAITANO GEPA Air and Land Administrator

CORY HINDS, P.E. Jacobs

This session will update status of the demonstration project, in partnership with Dow Chemical, to incorporate post-consumer plastic into asphalt for paving roads. Additionally it will provide an update on the study of used tires and potential application in construction projects in Guam.

● 4:15 PM – 4:30 PM

CLOSING REMARKS AND ADJOURN

TYRONE TAITANO, BSP DIRECTOR



DAY 1, AUGUST 18, 2021

DAY 2, AUGUST 19, 2021

● 8:30 AM – 9:00 AM REGISTRATION AND COVID-19 PROTOCOLS

● 9:00 AM – 9:10 AM **WELCOME REMARKS**
TYRONE TAITANO, BSP DIRECTOR



OPENING REMARKS
THE HONORABLE JOSHUA F. TENORIO,
LIEUTENANT GOVERNOR OF GUAM



PRiMO

PACIFIC RISK MANAGEMENT 'OHANA

OPTIMIZING THE NATIONAL DISASTER RECOVERY FRAMEWORK, RECOVERY SUPPORT FUNCTIONS

PRiMO, the Pacific Risk Management 'Ohana, works to bring people and organizations together, channeling their efforts toward common goals to help Pacific Island communities become more resilient to the impacts of natural hazards.

PRiMO will facilitate a discussion of the opportunities presented by a coordinated, integrated all-of-Guam approach to disaster recovery, encompassing both the current COVID-19 recovery effort and future recoveries from disasters of any type.

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DAY 2, AUGUST 19, 2021

KEY NOTE SPEAKER

● 9:10 AM – 9:30 AM

COLBY STANTON

DIRECTOR OF READINESS, PACIFIC AREA OFFICE
FEMA REGION IX



Introduction to PRiMO, an overview of the day's intended outcomes, and an overview of the Federal approach to recovery from disasters under the National Disaster Recovery Framework.



FEMA

Colby Stanton is the current Chair of the Pacific Risk Management 'Ohana (PRiMO) and serves as the Director of Readiness at the Pacific Area Office (PAO) for the U.S. Department of Homeland Security's Federal Emergency Management Agency (FEMA) in Region IX. She joined the Region in March of 2010. From the PAO, located in Hawaii, Ms. Stanton supports the coordination and implementation of FEMA's mitigation, preparedness, and mission support programs related to natural and man-made disasters in the Pacific.

Prior to joining FEMA, Ms. Stanton served as Director for the Center for Radiological Emergency Management within the U.S. Environmental Protection Agency's Office of Air and Radiation. Ms. Stanton also worked in EPA's Office of Emergency and Remedial Response, developing Superfund policy and supporting Regional cleanup efforts. Earlier experience with the EPA included several years in the field coordinating responses to oil spills and hazardous substance releases and corresponding cleanup efforts. Ms. Stanton's private sector experience extends to working with an environmental/emergency management consulting firm and a strategic management firm.

Ms. Stanton has a B.A. in Political Science and Chemistry from Wellesley College, an M.S. in Chemistry from the California Institute of Technology, and an M.A. from the Naval Postgraduate School in Security Studies (Homeland Security and Defense).

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DAY 2, AUGUST 19, 2021

AMERICAN RESCUE PLAN ACT

Current Status and Opportunities

● 9:30 AM – 9:50 AM

MICHELLE BEASLEY

FEDERAL DISASTER RECOVERY OFFICER,
FEMA REGION 9 RECOVERY DIVISION



Michelle has been the Federal Disaster Recovery Officer to address COVID-19 Recovery efforts in Region 9. She has spent over 2 decades working in community development, environmental, health, civic engagement and technology across the public and private sectors in the West. She holds an MS degree in water ecology and organizational management.

Ms. Beasley will review the local funding assistance (for territories) that the American Rescue Plan Act provides that can accelerate Guam's COVID-19 Recovery Efforts.

● 9:50 AM – 10:05 AM

BREAK

● 10:05 AM – 11:20 AM

PANEL- DISASTER RECOVERY:

Challenges and Opportunities

The panel will provide an overview of the role of Guam's Recovery Office and their use of the Recovery Support Function (RSF) approach to organizing Guam's recovery from the challenges presented by COVID-19; a review of the impacts that could be expected from a major typhoon impacting Guam today; a case study of the challenges presented to the CNMI in its recovery from Typhoon Yutu; and a discussion of the role of mitigation planning and the potential applicability of Smart Safe Growth principles in mitigating threats from future disasters.

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PANEL- DISASTER RECOVERY

TYPHOON SCENARIO SETTING

WILLIAM AYDLETT,

WFO Guam Lead Forecaster
and Tropical Cyclone Focal Point



William Brandon Aydlett is a lead meteorologist with NOAA's National Weather Service Weather Forecast Office in Guam. Brandon maintains close relationships with partner Weather Service Offices throughout Micronesia and local government and emergency management offices in the Marianas in order to keep all parties informed of possible natural hazards including typhoons, hazardous seas, droughts and tsunamis. Serving as the Fire Weather Program Leader, he works closely with the Guam Forestry Office and Guam Fire Department to monitor long-term weather trends that could lead to conditions conducive for rapidly-spreading wildfires across Guam. Additionally, since 2013, Brandon has helped develop WFO Guam's social media presence from its infancy to its current following of more than 50,000 followers via the timely production and dissemination of actionable weather information.

RECOVERING FROM A CATASTROPHIC TYPHOON:

Yutu Case Study

ROBERT PESAPANE,

FEMA Region 9 Recovery Division Director
and Deputy Federal Coordinating Officer for
COVID-19 Operations



As the Director of Recovery, Mr. Pesapane supervises the implementation of FEMA's Public and Individual Assistance Programs, including overseeing multi-million recovery grant programs for public infrastructure, disaster survivor temporary housing, debris removal operations, and federal assistance to disaster survivors. Mr. Pesapane previously served on the Command Staff for FEMA's response to Typhoon Yutu, as well as working closely with the CNMI in its recovery efforts. He is currently serving as the Deputy Federal Coordinating Officer for COVID-19 Operations across Region 9. Mr. Pesapane holds a bachelor's degree in Political Science and Economics from Salve Regina University as well as master's degree in International Relations.

COVID RECOVERY THUS FAR:

Role of Recovery Office and Recovery Support Function (RSF) Approach

DAVID CRUZ,

Guam Recovery Officer



Dave Cruz is the Director of Recovery, office of the Governor, GovGuam. He's a retired USAF Colonel and served as Assistant Chief Procurement Officer GSA, GovGuam and Senior Aerospace Science Instructor, Air Force JROTC, JFK High School, Guam prior to his current assignment. In 2018, he ran as a candidate for Lt Governor with Senator Dennis Rodriguez. His education includes M.S. in Strategic Studies, Air War College and M.S., Human Relations, University of Oklahoma; B.S., Marine Biology, Cal State University, Long Beach and B.S., Math/Science Field Study, University of Maine, Fort Kent.

CNMI SMART SAFE GROWTH AND THE IMPORTANCE OF INTEGRATED PLANNING

KATHRYN (KATIE) LIPIECKI,

FEMA Region 9 Mitigation Division Director



As Mitigation Division Director, Ms. Lipiecki oversees the regional implementation of mitigation programs, including the flood mapping program, Hazard Mitigation Planning program, multi-million dollar disaster and non-disaster mitigation grants such as the Building Resilient Infrastructure and Communities and Hazard Mitigation Grant Program, floodplain management and flood insurance programs, and Environmental and Historic Preservation compliance. Prior to joining Region 9 in 2020, Katie was the hazard mitigation division director in Puerto Rico, supporting recovery efforts for hurricanes Irma and Maria, and the 2020 earthquakes. In this role, she oversaw the implementation of various mitigation program areas, including the \$3.6 billion Hazard Mitigation Grant Program, and supported the obligation of over \$115 million for 406 mitigation. She holds a Master of Science in Urban Planning from Columbia University in New York City, where she concentrated in housing policy, and has a Bachelor of Arts in Historic Preservation and American Studies from Goucher College in Baltimore, Maryland.

● 11:20 AM – 11:30 AM

INTRODUCTION TO BREAKOUT
SESSIONS

● 11:30 AM – 1:00 PM

GROUP PHOTO/ LUNCH



PRiMO
PACIFIC RISK MANAGEMENT 'OHANA

DAY 2, AUGUST 19, 2021

PRE-DISASTER RECOVERY PLANNING

● 1:00 PM – 2:00 PM BREAKOUT SESSION #1

Attendees will be asked to discuss the questions of “what is our goal?
Where do we want to be?” in the area of three Recovery Support Functions:
Economics, Health and Social Services, and Community Planning
Capacity Building- RSFs: Natural & Cultural Resources as well as Infrastructure and Housing.



PRiMO
PACIFIC RISK MANAGEMENT 'OHANA

Grand Ballroom

ECONOMIC RSF

Royal Ball Room A

HEALTH AND SOCIAL
SERVICES RSF

Royal Ball Room B

COMMUNITY PLANNING
& CAPACITY BUILDING RSF

● 2:00 PM – 2:15 PM BREAK

● 2:15 PM – 3:15 PM BREAKOUT SESSION #2

Attendees will build on their responses from the first Breakout Session to develop
the beginnings of an action plan for how Guam can reach the identified goals.

Grand Ballroom

ECONOMIC RSF

Royal Ball Room A

HEALTH AND SOCIAL
SERVICES RSF

Royal Ball Room B

COMMUNITY PLANNING
& CAPACITY BUILDING RSF

● 3:15 PM – 3:50 PM PRE-DISASTER RECOVERY PLANNING - REPORT OUT

Representatives from each Breakout will report on the group discussions, so that all
attendees can gain from the various discussions and identify where they fit in Guam's
recovery from the current COVID-19 response and in the development of a “pre-covey”
(pre-recovery) plan for the next disaster.

● 3:50 PM – 4:00 PM CLOSING STATEMENTS

EDWIN REYES, GCMP ADMINISTRATOR
Overall Roles of Bureau of Statistics and Plans



DAVID CRUZ, GUAM RECOVERY OFFICER
What happens next?



DAY 2, AUGUST 19, 2021

6TH ANNUAL

