



TANO, TASI,
YAN TODU

MARIANA ISLANDS CONSERVATION CONFERENCE

February 25 - March 1, 2024



MICC AGENDA

DAY 1: MONDAY FEBRUARY 26, 2024

MC - ANN MARIE GAWEL

Welcoming Remarks

9:30am - 9:45am

MICC Organizing Committee; Tāno, Tāsi, yan Todu Board

Frances Sablan, Executive Director, Mariana Alliance of Non-Governmental Organizations

Galvin Guerrero, President, Northern Marianas College

Sylvan Igisomar, Secretary, CNMI Department of Lands and Natural Resources

Bird Restoration

Moderator: Christiana-Jo Quinata

9:45am *Nest success rates for Nosa' Luta and conservation status update*
Dacia Wiitala and Brad Eichelberg, CNMI Division of Fish and Wildlife

10:00am *Nosa' Luta husbandry techniques to establish best practices for translocation*

Anne Heitman, Pacific Bird Conservation/Sedgwick County Zoo

Break

10:15am - 10:30am

Sponsored by Guam Economic Development Authority

10:30am *Status and conservation considerations of the Micronesian Megapode (*Megapodius laperouse laperouse*) across the Mariana Archipelago**

Richard Camp, U.S. Geological Survey, Pacific Island Ecosystems Research Center; Paul Radley, CNMI DFW; Frederick Amidon, Ann Marshall, and Curt Kessler, U.S. Fish and Wildlife Service, Pacific Islands Fish and Wildlife Office; P. Marcos Gorresen, Hawai'i Cooperative Studies Unit, University of Hawai'i at Hilo

10:45am *Wildlife management on Managaha*
Amanda Santos, CNMI Division of Fish and Wildlife

11:00am *Ga'ga Karisu Conservation*
Amanda Bender, Saint Louis Zoo/Pacific Bird Conservation Partner

11:15am *An experimental study of the impacts of invasive rodent and vine removal on artificial Tinian monarch nests*
Kaeli Swift, Fletcher Moore, and Beth Gardner, University of Washington

11:30am *Improving recruitment and retention in conservation-related jobs in the Marianas*

Jimmy Camacho, Tāno, Tāsi, yan Todu; **Dacia Wiitala**, CNMI DFW; **Rachel Jolley**, University of Guam; **Haldre Rogers**, Virginia Tech & TTT

Lunch on your own

11:45am - 1:15pm

*virtual presentation

Forest Restoration

Moderator: Harmony Yomai

1:15 pm *Monitoring Forest Recovery Following the Removal of Ungulates*
Rachel Jolley, University of Guam

1:30 pm *Identifying reforestation tactics to help restore Guåhan's limestone forests*

Vince Fabian, Else Demeulenaere, UOG Center for Island Sustainability

1:45 pm *Monitoring methods for forest restoration in the Marianas*

CJ Paulino, Jimmy T. Camacho, Rachel Prado, Ian Entilla, and Zia Crytzer, Tåno Tåsi yan Todu

Break 2:00pm - 2:15pm

Sponsored by Office of Insular Affairs

Wellness Break 2:15pm - 2:30pm**Coral Restoration**

Moderator: Marie Auyong

2:30 pm *NGO-driven coral reef restoration in the Commonwealth of the Northern Mariana Islands: Status and next steps*

Lyza Johnston, Johnston Applied Marine Sciences

2:45 pm *Thermal tolerance among nursery *Acropora Pulchra* genotypes*

Ilan Bubb, Johnston Applied Marine Sciences; Lyza Johnston, JAMS; Verena Schoepf, UoA

3:00 pm *Using CBASS to identify target species for coral restoration on Guam**

Mikayla Reuter, Héctor Torrado, and David Combosch, University of Guam

3:15 pm *Development of novel settlement substrates to improve the efficiency of coral reef restoration using sexually propagated corals*

Lyza Johnston, Johnston Applied Marine Sciences; Margaret Miller, Aric Bickel, and Miles McGonigle, SECORE International

3:30 pm *Reef retention rates of novel coral larval settlement substrates on exposed forereefs of Saipan*

Sydney Madden, Johnston Applied Marine Sciences; Lyza Johnston, JAMS; Margaret Miller, Aric Bickel, and Miles McGonigle, SECORE

Break 3:45pm - 4:00pm

Sponsored by Office of Insular Affairs

Poster Session 4:00pm - 5:30pm

Refreshments sponsored by Sedgwick County Zoo

Poster Session Presentations

CNMI Renewable Energy Initiative

Jun You, Cloie Seo, and Lorna Liban, Northern Marianas College

Age-based life history of the Mariana Islands' deep-water snapper, *Pristipomoides filamentosus*

Francisco C. Villagomez, CNMI Division of Fish and Wildlife

Project HOPE: Healthy oceans & people empowerment

Alexander Tudela & Kina Rangamar, Laurie Peterka (Friends of the Mariana Trench), Dr. Beylul Solomon (NMC), Dr. Larisa Ford (Texas A&M Corpus Christi)

Geographic Distribution of Yellow Crazy Ants on Saipan

Mark Terlaje Pangelinan Jr. and Willson Gaul, Northern Marianas College

Population and Abundance of Mariana Common Moorhen on the Tinian Military Lease Area

Rebecca Krasa, CNMI Division of Fish and Wildlife

SoundKnowledge: Listening for Conservation in the Mariana Islands

Andrew Gumataotao, Georg-August University

Biosecurity Inspections of Arriving Military Cargo in the Mariana Islands to Prevent the Spread of Invasive Species, FY22 - FY23

Virginie Ternisien, Dustin Jordan, and Kenneth Puliafico, Colorado State University, Center for Environmental Management of Military Lands; Stephen Mosher, Naval Facilities Engineering Systems Command Marianas

Rear-and-Release of the Critically Endangered Aga, or Mariana Crow

Rachael Kaiser; Sarah Faegre, University of Washington; Phillip Hannon, San Diego Zoo Wildlife Association

Monitoring pollinator activity: Refining camera trap techniques to enhance recording activity

Eunice Molina, Marianas High School; Ashling Wade Dickens, Notre Dame High School; Harmony Yomai and Haldre Rogers, Virginia Tech Ecology of Bird Loss

Marianas Artistry: Solidifying and Embracing Culture

Ejay Aguirre, Mary-Jo Camacho, Jefferson Cunanan, Angeline Flores, Andrei Metran, Rumina Litulumar, Christanelle Mercado, Dr. Beylul Solomon

Plant Ecology & Natural History

Moderator: CJ Paulino

- 8:00 am** *Extreme clonality of *Enhalus acoroides* seagrass beds in Guam: implications for resilience and management**
Jasper Dierick, Vrije Universiteit Brussel; Cara Lin, Guam Coral Reef Initiative; Ludwig Triest and Tom Van der Stocken, Vrije Universiteit Brussel
- 8:15 am** *Clarifying the conspecificity of Micronesian *Serianthes* island taxa and why it matters for conservation in an island archipelago*
Else Demeulenaere, University of Guam; J. Gordon Burleigh, University of Florida; Tom Schils, UOG; James Bamba, Rota Forestry; Stefanie M. Ickert-Bond, University of Alaska Fairbanks
- 8:30 am** *Manhasan na Tinanom Luta*
James C. Bamba, CNMI Endangered Species Program
- 8:45 am** *Katot yan panao: A case study of indigenous botanical nomenclature in the scientific literature*
Alexander M Kerr, University of Guam
- 9:00 am** *Floral traits of common native limestone forest species in Marianas*
Harmony Yomai, Virginia Tech Ecology of Bird Loss Project
- 9:15 am** *Pollen Identification in *Apis mellifera* L. (Hymenoptera: Apidae) Apiaries on Guam Using DNA Metabarcoding**
Jonae Sayama and Ross Miller, University of Guam

Break 9:30am - 9:45am

Sponsored by Office of Insular Affairs

Symposium: Genomic Tools for Invertebrate Biology

Moderator: JD Herndon

- 9:45 am** *Evolutionary origin of the endangered Rota Blue Damselfly (*Ischnura luta*)**
Coralynn Coapland, Eric Garcia, Kevin Labrador, Sharon Magnuson, Rebecca Hamner, and Christopher E. Bird, Texas A&M University - Corpus Christi; Dacia Wiitala and Bronson Curry, CNMI DLNR
- 10:00 am** *Using environmental DNA (eDNA) to determine the distribution and biological associations of the endangered Rota Blue Damselfly**
Eric Garcia, Texas A&M University Corpus Christi; Coralynn Coapland, TMUCC; Bronson Curry, US Fish and Wildlife - Pacific Islands Fish and Wildlife Office; Rebecca M. Hamner, TMUCC/CNMI DFW; Kevin Labrador, TMUCC; Sharon Magnuson, TMUCC; Dacia Wiitala, CNMI DFW; Christopher E. Bird, TMUCC
- 10:15 am** *Evaluating arthropod community changes in the Marianas*
Jerilyn Calaor, Iowa State University/Virginia Tech Ecology of Bird Loss Project; Susan Kennedy, Trier University; Haldre Rogers, Virginia Tech

*virtual presentation

TUESDAY FEBRUARY 27, 2024

MC: STEVEN JOHNSON

Symposium: Genomic Tools for Invertebrate Biology (continued)

10:30 am *Seeking the Goldilocks zone in conservation genetics: balancing genomic and individual sampling**

Brook Milligan, New Mexico State University

10:45 am *Terrestrial Arthropod Reference Library*

Ken Puliafco, Colorado State University Center for Environmental Management of Military Lands

11:00 am *Foundational research on the impacts of urbanization and non-native species introductions on the native pollinator fauna in the Commonwealth of the Northern Mariana Islands**

Ashley Rohde and Brook Milligan, New Mexico State University

Wellness Break

11:15am - 11:30am

Invertebrate Biology

Moderator: JD Herndon

11:30 am *Ants of Palau**

• **Jesse Czekanski-Moir**, SUNY-ESF

11:45 am *Tree Snails Populations and Typhoon Bottlenecks**

G. Curt Fiedler, University of Guam CNAS; Scott Vogt, NAVFAC AAFB; Exequiel Bando and Mary Heather Jingco, UOG

12:00 pm *Using agency and community resources to eradicate exotic hornets in the North American Pacific Northwest: a case study for preventing social wasp invasions**

Chris Looney, Washington State Department of Agriculture; Cassie Cichorz, Nathan Roueché, Karla Salp, Sven Spichiger, and Telissa Wilson, Washington State Department of Agriculture; Jacqueline M. Serrano, USDA-ARS Temperate Tree Fruit and Vegetable Research Unit

12:15 pm *Butterfly wing morphology change after 40 years of relaxed bird predation in Guåhan*

Christiana-Jo Quinata, US Geological Survey Brown Treesnake Project/Iowa State University, Ecology of Bird Loss Project; Haldre Rogers, Virginia Tech; Erica Baken, St Johns & St Bens; Micah Freedman, University of Toronto

Lunch on your own

12:30pm - 1:30pm

Professional Development Mentoring Session

12:30pm - 1:30pm

Organizers: Marie Auyong and Jimmy Camacho

Lunch sponsored by Sedgwick County Zoo

*virtual presentation

Community Conservation

Moderator: Joni Kerr

- 1:45 pm** *Championing Science with community members; volunteerism and conservation*
Tori Manley, tori manley speaking
- 2:00 pm** *Micronesia Conservation Trust Capacity Building Program*
Bertha M. Reyuw, Micronesia Conservation Trust
- 2:15 pm** *Building and sustaining local capacity for conservation in the CNMI; MINA's Tasi Watch Ranger Program*
David Benavente, Elizabeth Furey, and Roberto Guerrero, Mariana Islands Nature Alliance
- 2:30 pm** *Engaging community conservation in the Marianas through collaborative outreach and education*
Tiffany Evans, Saint Louis Zoo/Pacific Bird Conservation
- 2:45 pm** *Fanihi Conservation: It takes a village*
Tammy Mildenstein, University of Guam ; Jeried Calaor, Research Corporation, University of Guam; Scott Vogt, Civil Engineering, Andersen Air Force Base, NAVFAC Marianas; Nathan Johnson, Micronesian Environmental Services; Jill Liske-Clark, NAVFAC Marianas; Bronson Curry, USFWS PIFWO
- 3:00 pm** *Engaging the next generation in fanihi conservation*
Samuel Stier, AAFB Fanihi Monitoring Project; Marybelle Quinata, USFWS Guam National Wildlife Refuge; Tammy Mildenstein, AAFB Fanihi Monitoring Project
- 3:15 pm** *Update on BTS captures by the Friends of Islan Dãno' volunteer group*
Olympia Terral and Martin Kastner, Friends of Islan Dãno
- 3:30 pm** *Amut Walks - Building a Path towards healing & unity in the Pacific*
Sheila Babauta and Cami Egurrola, Micronesia Climate Change Alliance

Break 3:45pm - 4:00pm

sponsored by Office of Insular Affairs

Career Fair 4:00pm - 4:45pm

Refreshments sponsored by Sedgwick County Zoo

Marianas Natural History Trivia 7:00pm - 9:00pm

Location: Marianas Creations

DAY 3: WEDNESDAY FEBRUARY 28, 2024

Field Trips 8:00am - 5:00pm

Sponsored by Association for the Sciences of Limnology and Oceanography
and Sedgwick County Zoo

All day Tinian Tour: fanihi count, birding, and forest restoration

Organizers: Kaeli Swift and Fletcher Moore

Luta Tour with CNMI Forestry/DFW

Organizers: Dacia Wiitala and James Bamba

Early morning Fanihi Count in Saipan

Organizers: Henry Fandel and Jill Liske-Clark

Bird mistnetting with the Pacific Bird Conservation Team

Organizer: John Bender

Morning Forbidden Island forest hike with Tåno, Tåsi, yan Todu

Organizer: Zia Crytser

Coral restoration snorkel and boat tour with JAMS

Organizer: Lyza Johnston

Early afternoon Canoe sailing with 500 sails

Organizer: Junior Coleman

American Memorial Park Visitors Center and mangrove tour

Organizers: Renee Ann Manibusan and Brooke Nevitt

Community Recycles Plastics Demo with MINA

Organizer: Jolly Ann Cruz

CNMI Brown Treesnake Interdiction Program tour

Organizer: Trey Dunn

Late afternoon to evening SCUBA & Terrestrial Invertebrate BioBlitz at LaoLao

Organizer: JD Herndon

Åmut (Traditional plant Medicine) Identification walk with Master Healer Uncle Don Mendiola

Organizer: Moñeka de Oro

Evening birding trip

Organizers: Wilson Gaul and Ellie Roark

Northern Marianas Humanities Council Chat & Chesa

6:00pm

Location: Naked Fish Restaurant

Discussing Climate Change

Robbie Greene, Tina Sablan, and Steven Johnson

Vertebrate Biology & Natural History

Moderator: Zia Crytser

8:00 am *The status of bats in the Mariana Islands and required work for their recovery**

Joshua Guilbert, Biodiversity Research Institute & CNMI Division of Fish and Wildlife; Ellie Roark, Charles Mendiola, and Robert Ulloa, DFW; Emilie Kohler DFW, Washington Department of Fish & Wildlife; Marcos Gorresen and Paul Cryan, USGS; Tammy Mildenstein, UOG; Bronson Curry, DFW, FWS

8:15 am *How many hilitai?: Spatial capture recapture to estimate abundance and density of a native predator**

Jack Christie, Institute for Wildlife Studies, Cal Poly Humboldt; David Garcelon, Institute for Wildlife Studies; Dan Barton, Cal Poly Humboldt

8:30 am *Preliminary analysis of landscape-level patterns of Sāli (Micronesian Starling, *Aplonis opaca*) productivity and survival on Andersen Air Force Base, Guam**

Martin Kastner, Virginia Tech Ecology of Bird Loss Project; Henry Pollock, Michigan Technological University; Kayla Baker, Virginia Tech; Eben Paxton, United States Geological Survey; Haldre Rogers, Virginia Tech

8:45 am *Daily vocalization patterns of the Saipan Reed Warbler *Acrocephalus hiwae**

Willson Gaul, Northern Marianas College; Ellie Roark, CNMI DFW

9:00 am *Age, Growth, Reproduction, and Mortality of the Lined Surgeonfish (*Acanthurus lineatus*) from Saipan, Northern Marianas*

Keena Leon Guerrero, CNMI Division of Fish & Wildlife

9:15 am *CNMI Fish Life History Research Program*

Francisco C. Villagomez, CNMI Division of Fish & Wildlife

9:30 am *Guam's green sea turtles exhibit differences in inter-nesting movements and post-nesting migrations into the Western Pacific**

Josefa Muñoz, University of Hawai'i at Mānoa and NOAA Fisheries Pacific Islands Fisheries Science Center; Alexander R. Gaos, NOAA Fisheries PIFSC; Camryn D. Allen, NOAA Fisheries PIFSC; Shaya Honarvar, UH Mānoa Pacific Cooperative Studies Unit; Jessy R. Hapdei, Jessy's Tag Services; Shelbie K. Ishimaru, NOAA Fisheries PIFSC; T. Todd Jones, NOAA Fisheries PIFSC; Brian W. Bowen, Hawai'i Institute of Marine Biology; Summer L. Martin, NOAA Fisheries PIFSC

Break 10:00am - 10:15am

Sponsored by Office of Insular Affairs

Conservation Planning

Moderator: Tihu Lujan

- 10:15 am** *Takeaways from the Hawai'i and U.S. Affiliated Pacific Islands Chapter of the Fifth National Climate Assessment**
Romina King, University of Guam
- 10:30 am** *Building Community Resilience through Agroforestry & Invasive Species Control in the CNMI*
Zachary B. Williams, Becky Skeele, and Robbie Greene, Pacific Coastal Research & Planning
- 10:45 am** *Using Scenario Planning as a Tool to Adapt Invasive Species Management to a Changing Climate in the US Pacific**
Elliott Parsons, Pacific RISCC/Pacific Islands Climate Adaptation Science Center at the University of Hawai'i at Mānoa; Andrea Blas, Micronesia Conservation Trust Bradley Eichelberger, CNMI Division of Fish and Wildlife, Department of Lands & Natural Resources; Chelsea Arnott, Hawai'i DLNR, DFW; Glenn Dulla, Western Pacific Tropical Research Center, University of Guam; Heather Kerkerling, USGS, Pacific Islands Climate Adaptation Science Center; Jeff Burgett, Science Applications, US Fish & Wildlife Service; Roland Quitugua, Cooperative Extension & Outreach, University of Guam
- 11:00 am** *Identifying Conservation Strategies for the covered species under the Guam Habitat Conservation Plan*
Else Demeulenaere, University of Guam Center for Island Sustainability and Sea Grant; Caley Chargualaf, UOG/CIS; Jay Gutierrez and Jeff Quitugua, DOAG
- 11:15 am** *For Love of Water*
Maria Hernandez May, Hita Litekyan, Bertha Foundation; Aaron Bejado, Stel Star Productions
- 11:30 am** *Growing the Grassroots: Responding to Militarization in the Mariānas*
Monaeka Flores, Prutehi Litekyan Save Ritidian and Isa Arriola, Our Common Wealth 670
- 11:45 am** *The Antiquities Act of 1906 - Tyrannical Conservation in the Western Pacific?*
John Gourley, Micronesian Environmental Services

Lunch on your own**12:00pm - 1:15pm*****virtual presentation**

Symposium: Northern Islands

Moderator: Ellie Roark

- 1:30 pm** *Current status and future plans for northern islands villages and residents*
Mayor Taisacan, Northern Islands Mayor's Office
- 1:45 pm** *Insects in the Northern Islands*
Willson Gaul, Northern Marianas College and **Lee Roy Sablan**, CNMI Division of Fish and Wildlife
- 2:00 pm** *Population Genetics of *Porites rus* Across the Mariana Archipelago**
Héctor Torrado, University of Guam Marine Lab; Joe Proietti, Mikay Reuter, and David Combosch, University of Guam Marine Lab
- 2:15 pm** *Applying knowledge of bird diets across the Mariana archipelago to inform conservation translocations*
John Bender, Pacific Bird Conservation and Haldre Rogers, Virginia Tech
- 2:30 pm** *Feral ungulate populations on Alamagan*
Buck Jolley and Charlene Hopkins, USDA Wildlife Services
- 2:45 pm** *Marianas Avifauna Conservation Plan update: new data from Automated Recording Units*
Ellie Roark, CNMI Division of Fish and Wildlife

Panel Discussion**3:00pm - 3:15pm****Wellness Break****3:15pm - 3:30pm****Symposium: Traditional Ecological Knowledge****3:30pm - 5:00pm**

Moderator: Tina Sablan

James Bamba
Lino Olopai
Moñeka De Oro
Leo Pangelinan
Jun Coleman
Melvin Faisao
Cecilio Raiukiulipiy

Conference Banquet**5:30pm - 8:00pm**

Sponsored by Northern Marianas College and St Louis Zoo
Location: The Ataari, Crowne Plaza

Ecosystem Management

Moderator: Kelsey McClellan

- 8:30 am** *Optimizing Environmental DNA (eDNA) Preservation for Marine Biomonitoring in the Tropics: A Case Study from Rota Island, CNMI**
Kevin Labrador, Texas A&M University - Corpus Christi; Eric Garcia, Yajuan Lin, and Christopher E. Bird, TAMU-CC
- 8:45 am** *Effects of non-permitted buoys on JRM submerged lands in Guam*
Jude Martinez, NAVFAC Marianas and Naval Information Warfare Center Pacific (NIWC Pacific)
- 9:00 am** *Geospatial modeling of Guam's mangroves using Unmanned Aerial Systems (UASs)*
Jonelle Sayama and Dr. Romina King, University of Guam, NASA Guam Space Grant
- 9:15 am** *Coastal Erosion Along the Western Coast of Saipan*
Kianna Reyes, CNMI Department of Lands and Natural Resources; Christopher D. Pangelinan & Mary Fem Arena
- 9:30 am** *Spatial Modeling is Foundational for Ecosystem-Based Fisheries Management: A Case Study From Saipan's Lagoon*
Nicholas Robie and Nathan Van Ee, CNMI Division of Fish and Wildlife
- 9:45 am** *Data-rich population assessments for target coral-reef fisheries species of Guam**
Brett Taylor and Peter Houk University of Guam Marine Lab; Jay Gutierrez, Brent Tibbats, and Jason Biggs, Guam Division of Aquatic and Wildlife Resources
- 10:00 am** *CNMI State of the Reef*
Rodney Camacho, Division of Coastal Resource Management

Break 10:15am - 10:30am

Sponsored by Association for the Sciences of Limnology and Oceanography

Disease

Moderator: Jihan Younis

- 10:30 am** *Veterinarians and Field Conservation*
Kami Fox, Fort Wayne Children's Zoo
- 10:45 am** *Vector-borne pathogens in dogs from Saipan, Northern Mariana Islands**
Maureen Kelly, School of Veterinary Medicine and Biomedical Sciences, Texas A&M University; Kris Anderson, Equine Mobile Veterinary Services; Christine M. Budke, Department of Veterinary Integrative Biosciences, School of Veterinary Medicine and Biomedical Sciences, Texas A&M University; Guilherme G. Verocai, Department of Veterinary Pathobiology, School of Veterinary Medicine and Biomedical Sciences, Texas A&M University

FRIDAY MARCH 1, 2024

MC: AMANDA SANTOS

11:00 am *Phellinus noxius* root rot of Trees in CNMI

Phil Cannon, Ned Klopfenstein, and Mee Sook Kim, USDA Forest Service; Jane Stewart, Colorado State University; Chia-Lin Chung, National Taiwan University

11:15 am *Colony Geometry Modulates Disease Severity in Colonial Organisms*

Alexander M Kerr, University of Guam Marine Lab

Invasive Species

Moderator: MJ Mazurek

11:30 am *Dynamic Monitoring and Management of Brown Treesnakes: Modeling Removal Data to Identify Optimal Eradication Strategies**

Kelly Mistry, University of Washington; Staci Amburgey, Washington Department of Fish & Wildlife; Amy Yackel Adams, USGS; Shane Siers, USDA; Sarah Converse, School of Aquatic & Fishery Sciences, University of Washington and USGS WA Cooperative Fish & Wildlife Research Unit

11:45 am *Response of Brown Treesnakes to Aerial Suppression in Time and Space and a Novel Predation Threat Monitoring Method*

Ella L Norris, University of Guam; Rachel M. Volsteadt & Shane R. Siers, USDA-NWRC, Barrigada GU

Lunch on your own

12:00pm - 1:15pm

Invasive Species continued

Moderator: MJ Mazurek

1:30 pm *Brown Treesnake (BTS) Rapid Response Team (RRT) Mock Response in Saipan 2023*

Marijoy Viernes, U.S. Geological Survey, Pacific Islands Ecosystem Research Center, Brown Treesnake Project; Melia Nafus, U.S. Geological Survey, Pacific Island Ecosystems Research Center; William "Trey" Dunn, U.S. Fish and Wildlife Service; Manny Pangelinan, CNMI Department of Land and Natural Resources' Division of Fish and Wildlife

1:45 pm *Estimating the effects of control techniques on brown treesnake activity in occupied yayaguak (Mariana swiftlet) caves*

Christiana-Jo Quinata, U.S. Geological Survey, Pacific Islands Ecosystem Research Center (USGS, PIERC), Brown Treesnake Project; Levi Gray, School of Mathematical and Natural Sciences, Arizona State University; Marijoy Viernes and Eben Paxton, USGS, PIERC; Camryn Middlebrooks, Research Corporation of the University of Guam; Melia Nafus, USGS, PIERC

2:00 pm *Large scale management of Little Fire Ants at Marine Corps Base Camp Blaz (Guam)*

Kenneth Puliafico and Ashley Toves, Colorado State University Center for Environmental Management of Military Lands (CEMML); Jerome Perez (NAVFAC Marianas)

2:15 pm *Creating An LFA-Free Zone on Guam*

Michael Richardson, USFWS, Pacific Islands Fish and Wildlife Office (PIFWO); Christopher Rosario and Jessi Mariano, Guam Department of Agriculture, Biosecurity Division; MJ Mazurek, USFWS, PIFWO

*virtual presentation

FRIDAY MARCH 1, 2024

MC: AMANDA SANTOS

Break 2:30pm - 2:45pm

Sponsored by Association for the Sciences of Limnology and Oceanography

Joint Keynote Address 2:45pm - 4:00pm

Moderator: Tina Sablan

Sponsored by ASLO and Sedgwick County Zoo

Dr. Nicole Yamase, OneReef

Dr. Harmony Yomai, Virginia Tech Ecology of Bird Loss Project

Dr. Ann Marie Gawel, Smith Fellow, SUNY-ESF

Awards & Closing Ceremony 4:15pm - 4:30pm

Sponsored by Nihi, Camacho and Taitano LLP, Blue Ocean Law, and an anonymous donor

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