



IPMEN 2023 Conference Abstracts Thursday July 20th – Afternoon Session

Strand 3: Protocols for meaningful engagement presentations – Facilitator: **Ray Yen**

Carolyn Briggs (Boon Wurrung N'Arwee't, Australia)

Keynote Presentation: Protocols for meaningful engagement presentations

Presenter Bio: N'Arwee't Professor Carolyn Briggs AM is a descendant of the First Peoples of Melbourne, the Yaluk-ut Weelam clan of the Boon Wurrung. She is the great-granddaughter of Louisa Briggs, a Boon Wurrung woman born near Melbourne in the 1830's. Carolyn has been involved in developing and supporting opportunities for Indigenous youth and Boon Wurrung culture for over 40 years. She is Elder in Research in RMIT's College of Design and Social Context. She has worked across education, government and community sectors and is a member of the National Congress of Australia's First People. She is also the chairperson and founder of the Boon Wurrung Foundation, which was established in 2005. The Foundation is responsible for significant work in cultural research, including restoration of the Boon Wurrung language, and helps connect Aboriginal youth to their heritage. Carolyn is passionately committed to sharing the values and heritage of Melbourne's First Peoples – the Boon Wurrung – and believes that a sense of a shared history of Melbourne is important in uniting the whole community.

Other Presenter Names: Ana Lara Heyns

Megan Cook (Ocean Exploration Trust, USA)

Presentation Title: Building diverse, equitable, and inclusive ocean exploration partnerships with Kānaka 'Ōiwi (Native Hawaiians)

Presentation Description: While hosting expeditions to explore the Central Pacific, Ocean Exploration Trust has partnered closely with the Papahānaumokuākea Marine National Monument Native Hawaiian Cultural Working Group to honor 'Ōiwi (Native Hawaiian) knowledge systems, create equitable and inclusive science practices to honor the realms in which science is conducted, and cultivate environments to weave together knowledge to serve communities. This session will share successes and lessons learned: prioritizing outreach audiences, encouraging maritime career exploration, elevating language, and providing specific 'Ōiwi opportunities in expeditions. This work lays a foundation for many years of collaboration building pilina (relationships) with deep sea ecosystems in PMNM.

Presenter Bio: Megan Cook is an explorer, storyteller, and Director of Education & Outreach for Ocean Exploration Trust. She has the joy to be on a team who bring billions of minds to the deep sea through video production, social media storytelling, classroom and community programs, and at-sea training on Exploration Vessel Nautilus for educators and students. Her passion is in elevating and making new space for all who are passionate about the planet, particularly those historically marginalized from bringing their talents to serve the ocean. Megan's career includes work worldwide including scientific research, marine operations, technical diving, media, philanthropy, and ocean education.

Monica Peiz (Ocean Networks Canada)

Presentation Title: Ship2Shore: Connecting scientists, communities & youth to explorers at sea.

Presentation Description: This presentation will focus on Ship2Shore, a novel program in which scientists and researchers on board oceanographic vessels connect with students

and community members via the internet. Connecting society, youth, and Indigenous communities with real-world, real-time efforts to observe, document and discover the ocean helps science and society deepen its collective knowledge of our ocean. Ocean Networks Canada (ONC) meets this objective by hosting Ship2Shore connections for partner communities and youth. We will share our process to create engagement during the 2023 Northeast Pacific Deep-sea Exploration Project and ONC maintenance expedition as well as next steps forward, and lessons learned.

Presenter Bio: Monika is a K-12 Education Coordinator with Ocean Networks Canada. She is a teacher with a passion for ocean and science education. Monika is passionate about learning, and is always willing to try something at least once for the experience. This has led to some pretty incredible adventures including blackwater rafting in caves full of glow worms and watching whales breach from the west coast trail. Monika enjoys making people smile and can always be counted on for a joke. In her free time, you can find Monika calling in sick to places she doesn't work.

Mo Che (Guangxi Academy of Sciences, China)

Presentation Title: How to use local marine scientific research resources to do marine science education

Presentation Description: Science Education and Promotion Center, GXAS has used the scientific research resources and achievements of Guangxi Academy of Sciences in the ocean to carry out marine science popularization in the past years and explored a new model of marine science popularization. The content of science popularization is mainly marine mammal research, mangrove ecosystem, coral reef ecosystem, seagrass bed ecosystem, and intertidal ecology. Marine science popularization activities are carried out using three major approaches. (i) Conducted a series of marine courses in elementary schools. A content system consisting of three units has been designed for elementary grades 3-5. (ii) We conduct study courses with elementary and middle school students and parents from across the country on topics such as "Weizhou Island, Home of Whales", "Study of Island Nature and Ecology", and "Study of Weizhou Island's Volcanic Geology". (iii) Researchers enter primary and secondary schools to give lectures on marine topics.

Presenter Bio: Chen Mo, graduated from Louisiana State University, is mainly engaged in marine education, marine observation and marine mammal research. He is also a member of Asian Marine Educators Association Committee, a visiting scholar of "Western Light", a public welfare mentor of SEE Powerful Grass Project, and a science lecturer of Guangxi Ecological Society.

Other Presenter Names: Binlian Liang

Craig Strang (Lawrence Hall of Science, USA)

Presentation Title: An Ohlone/University of California Outdoor Learning Partnership that Supports Repair and Healing

Presentation Description: The University of California, Berkeley has a troubled relationship with Indigenous people, especially the Ohlone, the most local people of the region. The campus continues to hold on to cultural inheritance and ancestors. At the UCB Lawrence Hall of Science Outdoor Nature Lab, Ohlone leaders work with outdoor educators to ensure that past and present Ohlone culture, language and ways of knowing are incorporated into visitor experiences. We blend TEK with science education pedagogy in nuanced, specific ways, centering the vibrancy of Ohlone culture today and the understanding that comes from people who have lived there continuously since time immemorial.

Presenter Bio: Craig Strang, Emeritus Associate Director of the UC Berkeley Lawrence Hall of Science, has co-led the Ocean Literacy Campaign to raise understanding of the importance of the ocean. He co-founded the BEETLES Project that supports 100s of outdoor science organizations to become equitable and just, and improve the quality of their programs. Vince Medina and Louis Trevino are co-founders of mak-'amham/Cafe Ohlone. Their work focuses on sustaining Ohlone culture and the restoration of their native

languages: Chochenyo and Rumsen. Together, they strengthen their identity by empowering their community with greater access to cultural traditions, made possible by their elders' leadership.

Other Presenter Names: Vincent Medina and Louis Trevino, mak-'amham/Cafe Ohlone