

SAFET Conference 2023

Impact at Scale for a Sustainable and Resilient Future

Indicative Program Schedule

Tuesday 3 rd October 2023		
Room	Nusantara I	Nusantara II
8:45 – 10 am	Opening Session	
10 – 10:45 am	Morning Tea Break – explore the Technology Exhibition Hall	
10:45 – 11:45 am Session 1	Advances in Enabling Emerging Technologies Moderators Bubba Cook and Sarah Lenel <ul style="list-style-type: none"> 1.1 The CatchID-Program Pia Jonsson 1.2 The State of Seafood Tech: Trends and Insights Eric Enno Tamm 1.3 Operationalizing Computer Vision in the Cloud and at the Edge for Fisheries Electronic Monitoring Jimmy Freese 1.4 Harvesting ship-based AIS for more affordable data on vessels at sea Leslie Roberson 	Innovations in Electronic Monitoring and Electronic Reporting Moderators Mark Michelin and Harlisa <ul style="list-style-type: none"> 1.1 Combining EM and ER solutions to create an integrated solution with machine learning for improvements in EM review times and bringing advancements that benefit fishers to encourage uptake outside of regulated programs only. Ali Kennard 1.2 Mobile Electronic Recording and Reporting Application for Artisanal and Commercial Fishing Fleets. Ai Kennard 1.3 Enhancing Sustainable Fishing with Electronic Monitoring: One Step Closer to Real-time Automatic Capture Detection Manuel Menchaca Paz
11:45 – 12:30 pm Session 2	Advances in Enabling Emerging Technologies Bubba Cook and Sarah Lenel <ul style="list-style-type: none"> 2.1 Transforming Maritime Surveillance: Introducing the M5D-Airfox Drone by Marine Instruments Javier Grávalos 2.2 Technology providers must step up and offer solutions that meet tuna fishing challenges. Ángel Martínez 2.3 Enhancing Fisheries Management through Cloud-Based Solutions Manuel Menchaca Paz 	Innovations in Electronic Monitoring and Electronic Reporting <ul style="list-style-type: none"> 2.1 Indonesia Fisheries Exchange: Transforming Fish Trading in Indonesia Sigit Muhartono 2.2 Addressing Transparency at Sea: Electronic Monitoring Solutions to Social Responsibility and Environmental Sustainability. Natalie Tellwright 2.3 Artificial Intelligence for Fisheries and Monitoring: A Pragmatic Look at Unlocking the Future of the Industry Alexander Dungate 2.4 Reducing the development cost of data collection solutions: Case-study summaries Doug Adamson

		demonstrating how a flexible deployment platform can make sophisticated data acquisition cost-effective even when collecting data in small fleets and fisheries.
12:45 – 2:15 pm	Lunch Break – make new friends and build your network, explore the Technology Exhibition Hall	
2:15 – 3 pm Session 3	Market Drivers Enabling Emerging Technologies Moderators Stuart Green and Mark Schrope 3.1 Global Dialogue on Seafood Traceability (GDST), the business case for adoption of the common language of seafood traceability & data interoperability Huw Thomas 3.2 Crew Welfare Online Key Data Elements (KDE) in the Tuna Industry Marcelo Hidalgo 3.3 The Role of Markets in implementation of electronic monitoring in global fisheries: Why you should care and how you can help Huw Thomas 3.4 The role of satellite buoy companies in the management of dFADs for Indian Ocean yellowfin tuna stocks Angela Cruz	Innovations in Electronic Monitoring and Electronic Reporting 3.1 RadarTrac navigation radar-based system to detect vessels at sea Chris Moeseneder 3.2 Innovative Applications of Artificial Intelligence Toward a Sustainable and Resilient Blue Economy Justin Kay 3.3 Fully Documented Fisheries Angelo Mencarelli 3.4 Scaling Wireless EM via Starlink, Edge AI, and Virtual Observers for Realtime Monitoring at sea Joshua Wiersma 3.5 AI-based Estimation of Labour Working Hours using CCTV Videos on Distant Water Fishing Vessels – A Case Study on Taiwan’s Fishing Industry Sapdo Utomo
3 – 4 pm Session 4	Market Drivers Enabling Emerging Technologies Moderated Discussion	Innovations in Electronic Monitoring and Electronic Reporting Moderated Discussion
4 – 4:30 pm	Afternoon Tea Break - explore the Technology Exhibition Hall	
4:30 – 5:30 pm Session 5	Special Session 5.1 A Co-creation Workshop: Identifying Challenges, Problems and Unearthing AI/AA/ML Use Cases and Solutions for Resilient, Sustainable Fisheries in the Indo-Pacific Region Stuart Green	
7 – 10 pm	Conference Dinner hosted by ID Foods in the Jakarta Ballroom of the Westin Nusa Dua	

Wednesday 4 th October 2023		
Room	Nusantara I	Nusantara II
9 – 10 am Session 1	Special Session 1.1 Exploring AI for Fisheries in Depth: Challenges and Opportunities Justin Kay	Special Session 1.1 Advancing India’s Sustainable Fisheries through Technological Innovation Dustin Colson Leaning
9:45 – 10:30 am	Morning Tea Break – explore the Technology Exhibition Hall	
10:30 – 11:45 am Session 2	Building Resilience in Coastal Communities Moderators Janelle Hangen and Scott Coughlin 2.1 Promoting Economic and Social Equality: Empowering Small-Scale Fishers in Indonesia through the Perahu App Eko Octavianus 2.2 Supporting small-scale fisher communities through ABALOBI Monitor: A Tech-Infused, Grassroots Approach to data collection and use Casha de Vos 2.3 A future prospect of marine biotechnology to enhance community resilience Kustiariyah Tarman	Advances in Enabling Emerging Technologies Moderators Sarah Lenel and Bubba Cook 2.1 A roadmap to regional collaboration to counter IUU Fishing through emerging technology Vincent Nguyen 2.2 Enhancing Transparency and Trustworthiness in Distant Water Fishing Administrative Operations: The Solution of Blockchain Pao-Ta Yu 2.3 iCatch: Integrating Genomics and AI to Make Species Identification Possible from Point-of-Capture to Marketplace Nadya Mamoozadeh
11:45 – 12:45 pm Session 3	Building Resilience in Coastal Communities 3.1 Embark with MDPI on a six-year technological journey: Implementing innovations on board of small-scale handline vessels in Indonesia Timur Putra Satria 3.2 Scaling Systems for Coastal Waters WM Patrick McGrath 3.3 Electrifying Indonesia’s Artisan Fisherman: ID FOOD’s Vision of Zero Carbon Fisheries Dirgayuza Setiawan	Advances in Enabling Emerging Technologies 3.1 FishTech by Ocean Eyes Yusuke Tanaka 3.2 EM systems advances on monitoring activities on board transshipment vessels Javier de la Cal
12:45 – 2:15 pm	Lunch Break – make new friends and build your network, explore the Technology Exhibition Hall	

2:15 – 3 pm Session 4	<p>Scaling Technologies in Supply Chain Operations and Enabling Market Access Moderators Huw Thomas and Mark Michelin</p> <p>4.1 Artificial Intelligence/Advanced Analytics/Machine Learning (AI/AA/ML) in Indo-Pacific Fisheries: A Regional Review of Barriers, Opportunities, and Emerging Tech Solutions for Fair and Sustainable Fisheries Management Stuart Green</p> <p>4.2 Digitisation of seafood supply chains – A perspective from a voluntary eco-certification program Shen Yan Liow</p> <p>4.3 Multi-channel and multi-product digital marketplaces backed by traceability technologies that can support small-scale fishers to rebuild their fisheries Grizelda La Cock</p> <p>4.4 Establishing a Culture of Traceability for small scale fisheries and aquaculture in the Philippines through the (TrACE AI) Software System Cherry Murillon</p> <p>4.5 MMAF Scaling Technologies in Supply Chain Operations and Enabling Market Access through the Development of Indonesian Seafood Traceability and Logistic System (STELINA) Berny Achmad Subki</p>	<p>Innovations for Reducing Bycatch and Habitat Impacts Moderators Mark Schrope and Janelle Hangen</p> <p>4.1 Smart Selective DSF for Tuna Species Discrimination under the FADs. Understanding the technology and application Javier De la Cal</p> <p>4.2 Innovative, spatially based and real-time, software solutions for fisheries management Ali Kennard</p> <p>4.3 Protecting essential fish habitats: net modifications in trammel net fisheries off the Portuguese coast Monika Szynaka</p>
3 – 4 pm Session 5	<p>Scaling Technologies in Supply Chain Operations and Enabling Market Access Moderated Discussion</p>	
4 – 4:30 pm Afternoon Tea Break - explore the Technology Exhibition Hall		
4:30 – 5:30 pm Session 6		<p>Special Session</p> <p>6.1 Utilising technology to establish a human-centred ecosystem for the protection of labour rights and the sustainable development in Taiwan's distant water fisheries. Li-Chuan Liu Huang</p>
6:30 – 8:30 pm	Cocktail Reception hosted by SAFET at the Temple Garden at the Westin Nusa Dua	

Thursday 5th October 2023			
Room	Nusantara I		Nusantara II
9 – 10 am Session 1	Building Resilience in Coastal Communities Moderators Scott Coughlin and Farid Maurf 1.1 Enhancing Fisheries Resilience in Lampung Province: Integrating Science and Technology for Effective Action Harlisa Harlisa 1.2 Dive into Traceability: Empowering Coastal Communities with Digital Solutions and Innovation Sarah Harding 1.3 How Technology and Data Support Resilience in Remote Alaska Fishing Communities Kelly Harrell		Special Session 1.1 How cross-sector collaboration can leverage existing solutions to strengthen supply chain assurance and market due diligence Margreet Brinxma
10 – 10:45 am	Morning Tea Break – explore the Technology Exhibition Hall		
10:45 – 11:45 Session 2	Building Resilience in Coastal Communities 2.1 The right fit: How emerging technologies can adapt to small-scale fisheries, lessons from implementation Shannon Hardisty 2.2 Understanding and Improving Electronic Reporting in Small-scale Fisheries Janelle Hangen 2.3 Harnessing technology solutions to support coastal fishing communities and fisheries rebuilding Kara Birkenmayer		Advances in Enabling Emerging Technologies Moderators Bubba Cook and Chris Cusack 2.1 Integrating Technology to Combat IUU Fishing: Creating an Environment to Maximize its Impact Gary Orr 2.2 Navigating Barriers and Scaling SmartPass: Addressing Challenges in Expanding a Shore-Based Camera System for Fishery Monitoring Dustin Colson Leaning
11:45 – 12:45 Session 3	Special Session 3.1 The Application of Scenario-Based Table-Top Exercises to Drive Low-Cost Testing and Review of Emerging Technology Vincent Nguyen		Advances in Enabling Emerging Technologies 3.1 MAST Human Intelligence App: Empowering Workers for Safety and Well-being Dornnapha Sukkree 3.2 Phone based AI assessment of tuna freshness and grade Sivam Krish 3.4 Ourfish: Building Data Accessibility for Fishers, Buyers, and Managers Courtney Cox
12:45 – 1:15 pm	Closing Session		
1:15 – 3 pm	Lunch Break – make new friends and build your network, explore the Technology Exhibition Hall		

