

PROCEEDINGS BOOK OF TUNA TALKS SEMINAR

Interfacing Science and Management for
Sustainable and Regenerative Tuna Fishery

Padma Resort Legian, Bali, May 23th, 2023

PSP



TUNA
CONSORTIUM

IPB University
— Bogor, Indonesia —

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PREFACE

The Tuna Talks 2023 entitled ‘Interfacing Science and Management for sustainable and regenerative Tuna Fishery’. It is a scientific publication delivered from various assessments and researches, containing 3 aspects of Lessons, i.e.: Fishery Resources, Socio-economic and Governance related to tuna fisheries. Those have been discussed in this proceeding.

The scientific knowledge is crucial for understanding fish stocks, their population dynamics, and the impacts of fishing activities. Robust data collection, monitoring, and research are essential to support management decisions accurately. The proceeding considers applying effective implementation for Ecosystem Approach of Fisheries Management, based on the appropriate data analysis combined with management, especially in developing Harvest Strategy.

A lesson of using citizen science for fish data collection, then give back to information to the data providers will give awareness on the resources condition. While Crowd Data Crawling manuscript, may is a future practice for data collection and management and business intelligence. Big data and AI have the potential to revolutionize the fisheries sector by providing more comprehensive, real-time, and accurate data that can inform better decision-making and management practices.

In the aspect of Socio-economic, the fisheries management and management of conservation areas should lead to an impact on socio-economic conditions, especially related to the resilience of fishermen. In this case, a Fisheries Sustainability Model (Sustainable Livelihood Assessment – SLA) needs to be developed to measure the resilience of fishing communities and at the same time measure the impact of the Harvest Strategy Implementation.

To sustain tuna fishing future, it is necessary to improve capacities of governments and stakeholders to develop and strengthen regulatory and policy frameworks for the successful implementation of Tuna Harvest Strategy.

The issues that is still apparent in Indonesia is the lack of governance structure in place for tuna fisheries labor and worker governance. Therefore, improvement of governance and regulation for fishery worker need to be strengthened. The studies explore the social structures and power relations resulting in the gender differentiated access to, and control over, livelihood assets. This has important implications that affect the ability of men and women to participate in governance and policy, achieve social-ecological resilience to change in global processes and the environment and livelihood sustainability.

Illegal, unreported, and unregulated (IUU) fishing is a transnational organized crime in fisheries, has significantly affects Indonesia's national losses of fisheries resources and socio-economic problems. There is an opportunity to combat IUU fishing. How to battle against IUU Fishing in Tuna and Governance regulation Initiatives. The important traceability, Fair Trade, MSC certification is how we can increase prosperity of fishers and investing self-reliance fishers in the future without any subsidies and incentive.

I hope that we can continue to work together in the future to sustain our tuna! Enjoy Reading.

Jakarta, July 1st, 2024.

Dr. Budy Wiryawan
Chair of Tuna Talks Seminar

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The Proceedings from the Tuna Talks would not have been possible without the enthusiastic participation of all participants from different institutions during the Event and the commitment of the authors to completing their sections of the Proceedings. The participants come from a diverse range of organisations and the Tuna Talks have highlighted the value of a collaborative approach between government, universities and nongovernment organisations for facing the many challenges of the implementation of Tuna Harvest Strategy and Fisheries Management in Indonesia.