



PROVISIONAL PROSPECTUS

**Practical workshop on stock and risk assessments of longtail tuna and kawakawa
in the Southeast Asian waters**

10-15 February 2020

SEAFDEC Training Department, Samut Prakan, Thailand

1. Backgrounds

(1) Initial stage: Preparation of the neritic tuna project (2013-2015)

Recognizing the regional cooperation to promote sustainable utilization of neritic tuna in Southeast Asian region, the 45th Meeting of the SEAFDEC Council endorsed the proposal of SEAFDEC Secretariat to conduct regular stakeholders' consultations for the development of the Regional Plan of Action for Sustainable Neritic Tuna Fisheries (RPOA-Neritic Tuna). Thus, SEAFDEC with funding support from the SEAFDEC-Sweden Project organized the "Consultative Meeting on Regional Cooperation on Sustainable Neritic Tuna Fisheries in Southeast Asian Waters" (October 2013 in Songkhla Province, Thailand).

Based on the discussion during that meeting with AMSs and relevant organizations, SEAFDEC developed the zero draft of the RPOA-Neritic Tuna, which was finalized at the "Experts Group Meeting on the Development of Regional Plan of Action on Sustainable Utilization of Neritic Tuna Resources in Southeast Asian Waters" (June 2014, Krabi province, Thailand). The RPOA-Neritic Tunas was reported to the 17th Meeting of the FCG/ASSPin December 2014, and then later endorsed by the 47th Meeting of SEAFDEC Council in April 2015.

Summary of Backgrounds 1st stage: Establishment of neritic tuna project (2013-2015) (4 preparatory meetings in 3 years)

(1) 45th SEAFDEC Council Meeting (2013)

the proposal endorsed for the development of
Regional Plan of Action for Sustainable Neritic Tuna Fisheries (RPOA-Neritic Tuna)



(2) Consultative Meeting organized (Oct 2013, Songkhla Province, Thailand)

(3) RPOA-Neritic Tuna finalized (Jun 2014, Krabi province, Thailand)



(4) 47th SEAFDEC Council Meeting (April 2015)

- RPOA-Neritic Tuna endorsed
- SWG (Scientific Working Group) of neritic tunas established
- ToR for SWG-Neritic Tunas endorsed

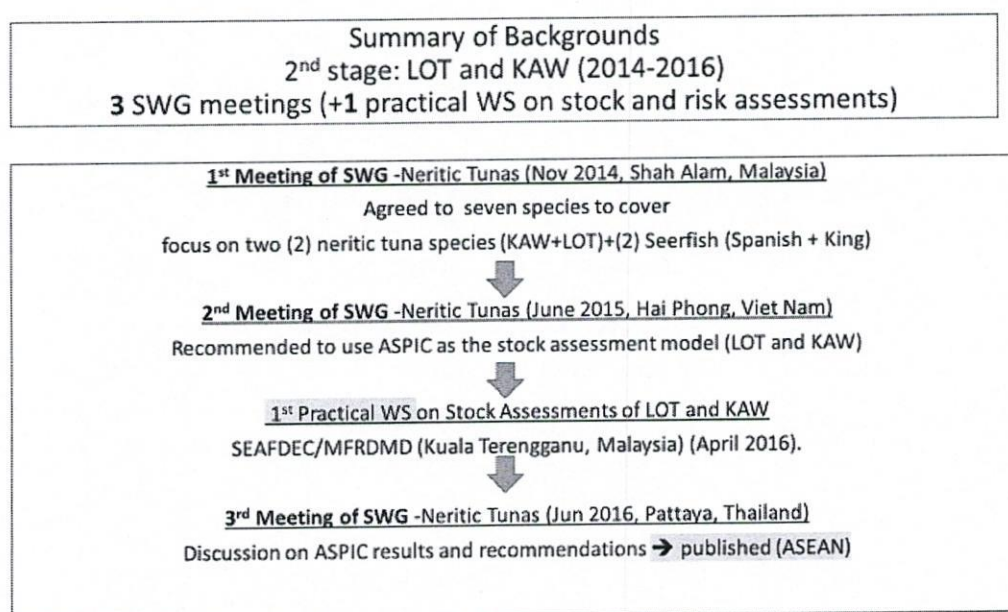
(2) 2nd stage: establishment of SWG and LOT+KAW stock and risk assessment (2014-2016)

Another output through the above series of the meetings was the establishment of the Scientific Working Group (SWG) on stock assessment of neritic tunas in the ASEAN region. The Term of Reference (ToR) for SWG-Neritic Tunas was formulated in the 1st Meeting of SWG-Neritic Tunas (November 2014, Shah Alam, Malaysia) and endorsed by the 47th Meeting of the SEAFDEC Council for the long-term establishment of the working group.

The 1st Meeting of SWG-Neritic Tunas agreed to cover the seven (7) species to be studied and assessed in the region, which includes 1) longtail tuna (*Thunnus tonggol*) (LOT), 2) kawakawa (*Euthynnus affinis*) (KAW), 3) frigate tuna (*Auxis thazard*), 4) bullet tuna (*Auxis rochei*), 5) bonito (*Sarda orientalis*), 6) Indo-Pacific king mackerel (*Scomberomorus guttatus*) and 7) narrow barred Spanish mackerel (*Scomberomorus commerson*). At the beginning, the Meeting agreed to focus and assess two (2) most commercially important neritic tuna species, i.e., longtail tuna and kawakawa.

The 2nd Meeting of SWG-Neritic Tunas (June 2015, Hai Phong, Viet Nam) recommended to apply A Stock-Production Model Incorporating Covariates (ASPIC) as the stock assessment model for LOT and KAW. Following this recommendation, the Special Training/Workshop on Stock Assessments of Longtail tuna and Kawakawa in the Southeast Asian Region was held in SEAFDEC/MFRDMD in Kuala Terengganu, Malaysia (April 2016) and conducted stock and risk assessments as the first time in the SEAFDEC history.

The 3rd Meeting of SWG-Neritic Tunas (June 2016, Pattaya, Thailand) focused on results of stock and risk assessments of LOT and KAW as well as review of their biology and ecology, the work plan for genetic study and technical/policy recommendations including proposed management advices and also capacity building requirements.



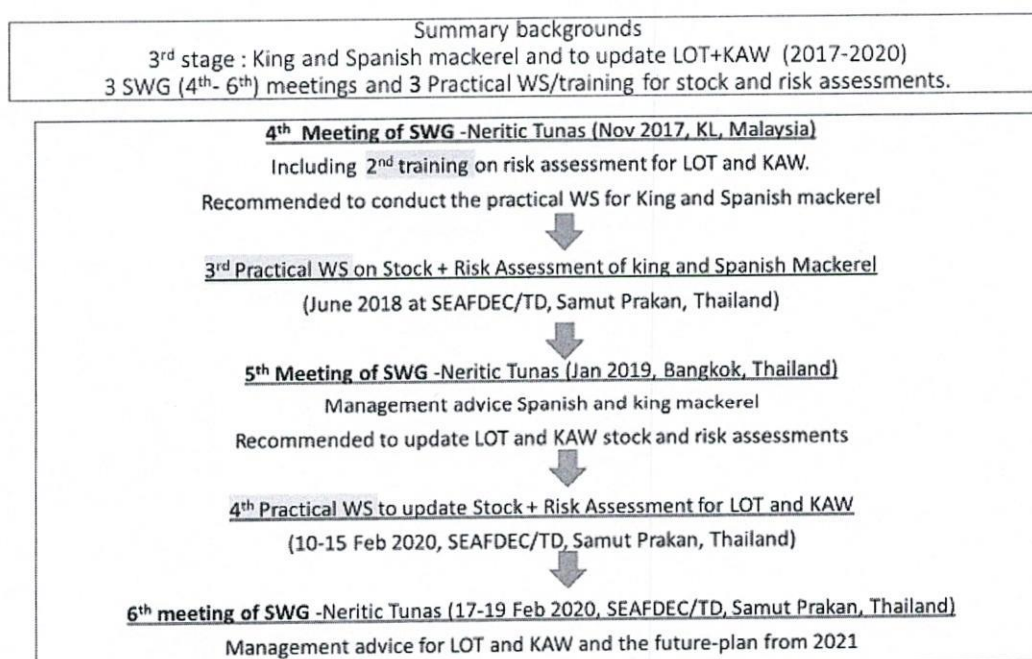
(3) 3rd Stage: King + Spanish mackerel and updating LOT+KAW (2017-2020)

The 4th Meeting of SWG-Neritic Tunas (November 2017, Kuala Lumpur, Malaysia) recommended to conduct stock and risk assessments for two commercially important seer-fish species, i.e., Indo-Pacific king mackerel and narrow-barred Spanish mackerel. During the meeting “(lecture based) Advance Training Course on Risk Assessments of Kawakawa and Longtail Tuna in Southeast Asia” was also conducted.

Following this recommendation, SEAFDEC/MFRDMD in collaboration with SEAFDEC/Secretariat and Training Department (TD) has conducted “Practical Workshop on Stock Assessment of Indo-Pacific king Mackerel and Narrow-barred Spanish Mackerel in the Southeast Asian Waters” in June 2018 at SEAFDEC/TD in Samut Prakan, Thailand. The trained trainers in this Workshop would have his/her responsibility on conducting training at national level upon completion of the training.

The 5th Meeting of SWG-Neritic Tunas was held in January 2019 in Bangkok, Thailand. In this meeting, results of stock and risk assessments of king and Spanish mackerel from the above mentioned WS were reviewed then management advices were outlined. This meeting recommended to conduct the practical WS to update stock and risk assessments of LOT and KAW in 2020 as the stock statuses were outdated for 6-7 years.

Following the recommendation in the 5th SWG, this document outlines the plan of the practical WS to update stock and risk assessments of LOT and KAW (10-15 February 2020) in SEAFDEC/TD, Samut Prakan, Thailand. After the WS, the 6th SWG will be held in 17-19 February 2020 also in TD to discuss managements advices and the future plans.



2. Objectives of the Meeting:

- To update stock and risk assessments for LOT and KAW by the practical WS. The practical WS is not the normal training, but the two-way methods, i.e., participants involve more by the seminar type trainings including discussion, practices and exerciss, report writings and presentations;
- To share data compilation and quality control techniques practiced by two Brunei colleagues in advance before WS, which is done based on the 5th SWG recommendation;
- Participants will familiarize four software for stock and risk assessments, which have improved to satisfy requests by number of participants in the past. Four software are “advanced CPUE standardization”, “ASPIC (production model)”, “Risk assessment” and “Kobe plots”;

3. Expected outputs:

- Participants will have knowledge and skills on data compilation and quality control, CPUE standardization, stock assessment (ASPIC), risk assessments and Kobe plots for LOT and KAW;
- Participants themselves will produce provisional results on stock and risk assessments, stock status and management advices through their reports and presentations;
- Based on these, the WS will produce management advices and other relevant recommendations;
- The final report will be produced by the end of 2020; and
- The participants will be a trainer who would have his/her responsibility on conducting training for stock and risk assessments of LOT and KAW at national level upon completion of the WS.

4. Date and venue:

The Practical Workshop on stock and risk assessments of LOT and KAW in the Southeast Asian Waters will be held at SEAFDEC/TD in Samut Prakan, Thailand from 10 to 15 February 2020.

5. Participants:

- One core participant from Brunei Darussalam, Cambodia, Indonesia, Malaysia, Myanmar, Philippines, Thailand and Viet Nam;
- One core participant from TD and MFRDMD;
- One resource Person and one assistant; and
- SEAFDEC executives.

6. Tentative Agenda

Practical workshop to update stock and risk assessments for longtail tuna and kawakawa

Date Feb 2020	Time	Activities	Responsibility
Day 1 10 (Mon)	9:00	Registration	ALL
	-	Openings	SEAFDEC Executives
	11:00	Introduction (Objectives and Workplan)	Nishida
	11:00 - 17:00	National reports (Brunei, Cambodia, Indonesia, Malaysia, Myanmar, Philippines, Thailand and Viet Nam)	Participants
		Report of Capacity Building on data compilation and data QC for catch and nominal CPUE	Brunei + Nishida
Day 2 11 (Tue) Day 4 13 (Thu)	09:00 - 17:00	Lecture, Discussion and Practice <ul style="list-style-type: none"> ● Catch statistics ● Nominal CPUE ● CPUE standardization ● ASPIC ● Kobe plot ● Risk assessments 	ALL
Day 5 14 (Fri)	Morning	Reviews and additional practices	ALL
	Afternoon	Prepare reports and presentations	Participants
Day 6 15(Sat)	9:00	Presentations of assignments	Participants
	-	Wrap up	ALL
	12:30	Closings	ALL

7. Contact Persons:

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