



Provisional Prospectus
Regional Online Training Course on the Relationship Between Ocean
Environment Variability and Marine Resource Abundance and
Oceanographic Sampling

22-26 November 2021

Zoom platform

Research and Development Division
Training Department
Southeast Asian Fisheries Development Center
Samut Prakan Thailand

1. Background

The fisheries resources are a primary source of protein and contribute to the wellbeing and livelihoods of people. Thus, they are significant in the social and economic aspects of the world, especially in the Southeast Asian Region. Several countries in the Southeast Asian region are among the top fisheries producers in the world. In 2017, marine fisheries product in this region is recorded at 17,332,227 MT generating 25,292 million USD. The Southeast Asian region is blessed with the high abundance of fisheries resources because the coastal ecosystem in the region is very productive, and the high biodiversity of marine fish species provides multiple ecosystems which are suitable for habitats to fisheries resources. However, the growing human populations as well as development of aquaculture and fishery-related industries during the past several decades have made great demands on marine fish and fishery products which resulted in the overexploitation of many species.

In support of ending the decline of fisheries resources in Southeast Asia, SEAFDEC cooperated and collaborated with Member Countries (MCs) to promote the sustainable management of marine resources. We recognize that the development management of fishery resources is not effective if it is considering only fisheries resource and excluding the environment and other relevant. Additionally, invest the linkage between the fisheries resource and environment is also important. In the Southeast Asian region, however, the knowledge of fishery officers/researchers of the relationship between fishery resources and environment is limited.

In this connection, SEAFDEC/TD plans to organize the regional online training course on the Relationship between Ocean Environment Variability and Fisheries Resource Abundance and Oceanographic Sampling through the watching training VDO and discussing on zoom platform. This training is planned mainly for **junior officers/researchers**. The main training

objective is at improving knowledge of relationship of environment and fishery resources and building capacity for oceanographic sampling.

2. Objectives

The objectives of regional online training are to:

1. Improve the knowledge of human resource of the relationship between ocean environment variability and fisheries resource abundance
2. Enhance the capacity of human resources to carry out oceanographic survey focusing on sampling methods.
3. To establish the network of fishery officers/researchers on oceanography and fisheries resources in the Southeast Asia region.

3. Activities

The online Regional Training Course will be conducted through the Self-learning by watching training-VDO and discussion through Zoom platform. Major activities are planned tentatively as follows:

1. Self-learning sessions: All trainees are requested for a self-learning through a training-VDO provided by SEAFDEC's resource person. Each training-VDO period is for one and half hours, approximately.
2. Discussion sessions: After self-learning, trainees have an opportunity for 30 minutes to discuss with each resource person if there are any queries on the training-VDO. This session is conducted by zoom platform.

4. Expected outputs

The expected outputs of the online Training Course include:

1. Improved knowledge and enhance capacity of junior fishery officer/researchers of the SEAFDEC MCs of the Relationship Between Ocean Environment Variability and Marine Resource Abundance and Oceanographic Sampling.
2. Network of junior fishery officers/researchers in the Southeast Asian region.

5. Timetable

The regional training course will be organized for five (5) days from 22-26 November 2021.

Date and Time (UTC+07:00)	Training Activity/Topic	Resource Person
22 November 2021		
0900-0915	Opening the online regional training	

Date and Time (UTC+07:00)	Training Activity/Topic	Resource Person
0915-1000	Introduction to the Training Course and Pre-test Examination	Mr. Sukchai Arnupapboon
1000-1130	Overview for Oceanography Survey (by training VDO)	Dr. Anukul Buranapratheprat
1130-1200	Q-A and discussions (by Zoom Platform)	
1200-1300	Lunch break	
1300-1430	Introduction on Physical Oceanographic (by Training VDO)	Dr. Anukul Buranapratheprat
1430-1500	Q-A and discussions (by Zoom Platform)	
23 November 2021		
0900-1030	Southeast Asian Seas (by Training VDO)	Dr. Anukul Buranapratheprat
1030-1100	Q-A and discussion (by Zoom Platform)	
1100-1300	Lunch break	
1300-1430	Oceanographic Phenomena Related to Marine Productivities and Physical Oceanographic Sampling (by Training VDO)	Dr. Anukul Buranapratheprat
1430-1500	Q-A and Discussions (by Zoom Platform)	
24 November 2021		
0900-1030	Introduction on Marine Chemistry (by Training VDO)	Ms. Penchan Laongmanee
1030-1100	Q-A and Discussions (by Zoom Platform)	
1100-1300	Lunch	
1300-1430	Influent of Chemistry for Abundant of Marine Resource and Chemical Oceanographic Sampling (by Training VDO)	Ms. Penchan Laongmanee
1430-1500	Q-A and Discussions (by Zoom Platform)	
25 November 2021		
0900-1030	Introduction on Biological Oceanography (by training VDO)	Dr. Koraon Wongkamhaeng
1030-1100	Q-A and Discussion (by Zoom Platform)	
1100-1300	Lunch break	
1300-1430	Role of Benthic for Resource Abundance and Biological Oceanography Sampling (by Training VDO)	Dr. Koraon Wongkamhaeng

Date and Time (UTC+07:00)	Training Activity/Topic	Resource Person
1430-1500	Q-A and Discussions (by Zoom Platform)	
26 November 2021		
0900-1030	Statistic Test on the Relationship Between Oceanic Environment and Fishery Abundance (by Training VDO)	Prof. Tuantong Jutagate
1030-1100	Q-A and Discussion (by Zoom Platform)	
1100-1115	Refreshment	
1115-1200	Training Evaluation and Post- test Examination (Zoom Platform)	Mr. Sukchai Arnupapboon

6. Responsible contact person

Technical Coordinator	Assistant technical coordinator
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