

Evaluation of capacity building on offshore and high sea fisheries management and reducing IUU fishing activities in SEAFDEC Member Countries

Kongpathai Saraphaivanich, Yanida Suthipol and Namfon Imsamrarn

Introduction

In every country in the Southeast Asian Region, efforts are now focusing on the promotion of sustainable fisheries management and countermeasures against IUU fishing. The recognizes fishing management schemes such as fishing license, boats registration and etc. as effective measures to promote the sustainable use and the long-term conservation of marine living resources. Following the direction of Resolution and Plan of Action, the SEAFDEC Training Department (TD) has been implemented the project of “Promotion of Countermeasures to reduce IUU Fishing”, aim to collaboration with Member Countries to reduce IUU fishing in the region. An activity in this project is strengthening of Port State Measures and other surveillance measures in the region. Under this activity, the on-site training on offshore and high sea fisheries management and reducing IUU fishing activities was organized in Indonesia, Malaysia and Myanmar in 2013 and 2014. During on-site training, the evaluation of understanding on related training subject was carried out by pre and post evaluation. Aim to assessment effective of training which imparts knowledge and understanding to trainees.

Methodology

1. Evaluation sample and factor control

The on-site training on offshore and high sea fisheries management and reducing IUU fishing activities was organized in three SEAFDEC Member Countries, namely: Indonesia; Malaysia; and Myanmar. A number of trainees in total are 102 trainees. All on-site training is same module. The factor control is training subjects, resource persons, and trainees who are fisheries officer level.

2. Design of evaluation form

The pre and post evaluation form was designed which five main training subjects are as follows: Important role of resource management for sustainable fisheries; Monitoring, Control and Surveillance (MCS) measurement for offshore and high sea fisheries management; Offshore and high sea fisheries management and co-management; International and regional activities to combat IUU fishing; and Countermeasures (catch documentation scheme, port surveillance and vessel record) to reduce IUU fishing activities. Each subject has five column of knowledge and understand rating of trainee pre and post training such as not understand, less understand, moderate understand, much understand and very much understand. The trainees gave rating in the appropriate column to indicate their knowledge and understanding.

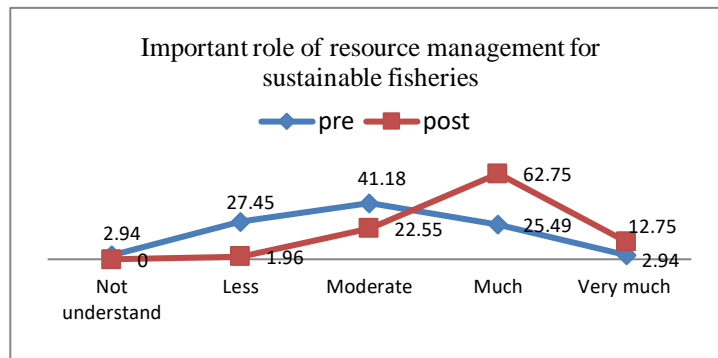
3. Process of data analysis

The raw data of the pre and post evaluation is analyzed into percentages and compare each other to assessment effectiveness of imparts knowledge and understanding which to trainees via training.

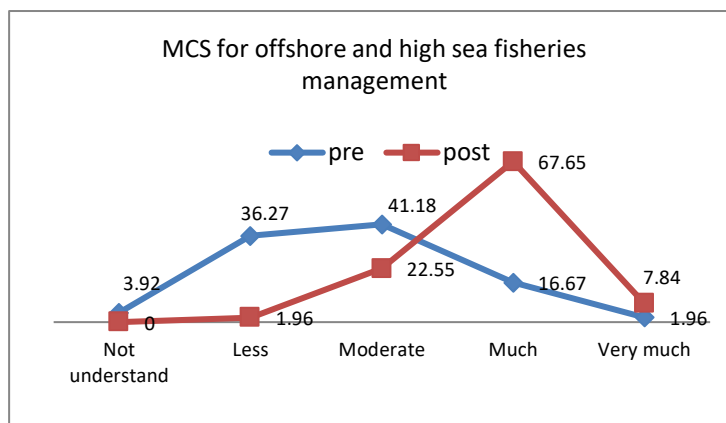
Result

1. Understanding on important role of resource management for sustainable fisheries

Before attend the training, most of trainees about 27.45 and 41.18% are less and moderate understanding respectively on the subject of important role of resource management for sustainable fisheries. Then after attended in the training, 75.50% of trainees are much and very much understanding in this subject.



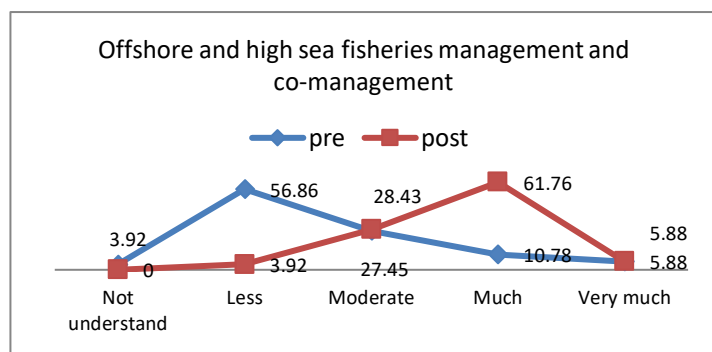
2. Understanding on Monitoring, Control and Surveillance (MCS) measurement for offshore and high sea fisheries management



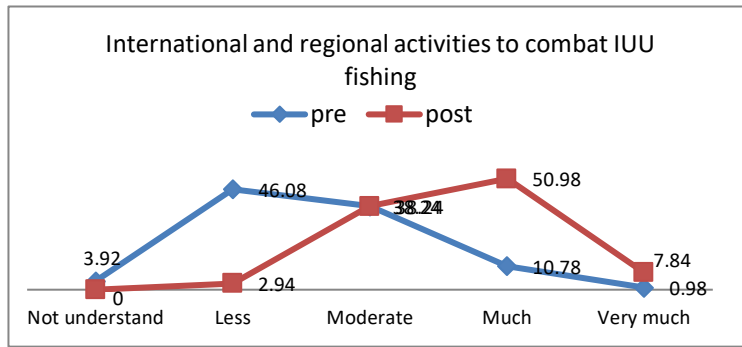
The pre-evaluation of understanding on MCS measurement for offshore and high sea fisheries management, most of trainees about 36.27 and 41.18% are less and moderate understanding respectively on this subject, while after attended in the training, 67.65% of trainees are much understanding.

3. Understanding on offshore and high sea fisheries management and co-management

The understanding on offshore and high sea fisheries management and co-management before attend the training, most of trainees about 56.56 and 27.45% are less and moderate understanding. After attended in the training, 61.76% are much understanding in this subject.



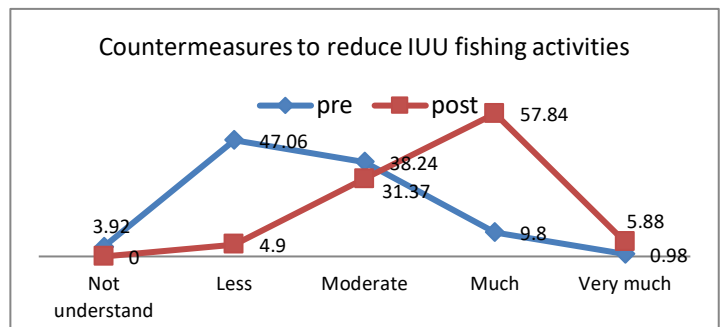
4. *Understanding on international and regional activities to combat IUU fishing*



Before attend training, most of trainees about 46.08 and 38.24% understanding on international and regional activities to combat IUU fishing are less and moderate respectively. After attended training, most of them are much understanding in this subject.

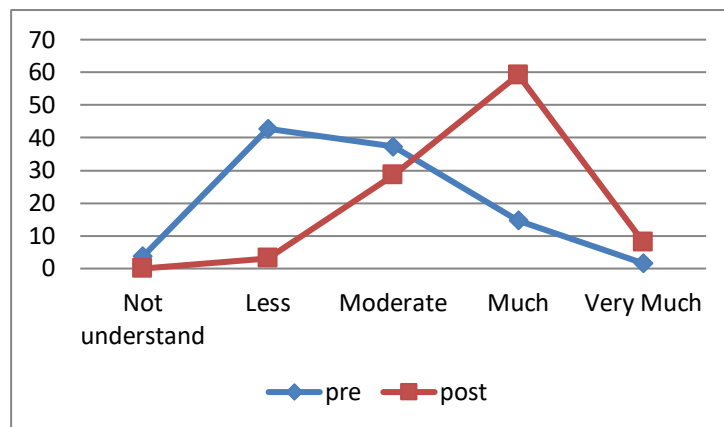
5. *Understanding on countermeasures to reduce IUU fishing activities*

The subject on countermeasures to reduce IUU fishing activities before attend training, most of trainees are less and moderate understanding about 46.08 and 38.24% respectively. After attended, half of trainees are much understanding in this subject.



Conclusion

The average of five subjects in on-site training on offshore and high sea fisheries management and reducing IUU fishing activities, before attend in the training, most of trainees are not, less and moderate understanding in these subjects (peak at less understanding).



However, after attended training, the knowledge on these related subjects were built up and imparted to their knowledge and capacity. Most of them are moderate, much and very much understanding on the related subjects (peak at much understanding).

Therefore, the on-site training on offshore and high sea fisheries management and reducing IUU fishing activities is effectively to awareness and capacity building common knowledge and understanding to Member Countries as a tool to reduce IUU fishing activities in the region.