



**Short Term Training Course on
“Community-based Forest Fire Management (CBFiM)”**

COURSE GUIDELINES

13 – 17 January 2020

AFoCO Regional Education & Training Center (RETC)

Republic of Union of Myanmar

Secretariat for the Asian Forest Cooperation Organization

1. BACKGROUND

Forest fires are a major cause of degradation and destruction of forest ecosystems and have ecological, economic and social impacts in AFoCO member countries. In most areas, after deforestation, fire plays one of the most destructive roles in the forest ecosystem, resulting in drastic deterioration of the environment as a whole. In the 21st century, forest fire management faces unprecedented challenges including the followings:

- 1) The number, size, and intensity of forest fires have increased significantly in many parts of the world in recent decades, and they are expected to continue to increase in the decades ahead due to projected climate change,
- 2) The presence of more people and infrastructure in the path of forest fires has increased the social and economic impacts of fire activity.
- 3) The cost of wildfire suppression has grown alarmingly and suppression costs are only a small fraction of the full direct, indirect, and post fire costs associated with wildfire, and
- 4) The frequency of fire events that cause catastrophic damages in terms of human casualties, economic losses and ecological damages, or all has increased.

The large wildfires are distinguished by the extraordinary scope and scale of impacts. Given these significant and growing challenges, conventional fire management approaches are unlikely to be effective in the future. Innovative and forward looking approaches are necessary.

Research has shown that all forest fires are caused by anthropological factors and can be linked to daily human activities and livelihoods. Local communities often get involve in “ignition” process of forest fires. The underlying reason for local communities’ failure to control their agriculture fires or ignite fire in forested areas is not the lack of awareness or carelessness, but rather the economic factor. To improve the situation of reduce this problem, community-based forest fire management (CBFiM) has been applied and emphasized to strengthen cooperation among various stakeholders as well as to promote the participation of local administration authorities in the joint prevention and control of forest fires in national reserved forests and community managed forests. The communities’ inquiry on the fire protection of the policies, managements, strategies has been enlarged as their participation increases.

Forest fire science, fire information and fire management are essential components of cohesive strategy plans and they needs to be understood so that the implementation of forest fire management plans can be carried out effectively. During this training course, all the accumulated knowledge and experiences can be shared and transferred to improve the forest fire management in AFoCO member countries.

2. OBJECTIVES

The objectives of the training course are to 1) enhance the understanding of community-based forest fire management, 2) share the knowledge and experiences of the best practices of forest fire management in among the AFoCO member countries, and 3) to strengthen the capabilities of officials based on advanced forest science technology.

3. TARGET PARTICIPANTS

This course will welcome 24 gender balanced technical-level government officials and forestry experts involved in national forest fire management and related work, especially who have been involved in forest fire management for a minimum of one year will be invited from the respective member countries.

4. TRAINING SCHEDULE (Tentative)

| Day | Time | Activity | Remark |
|-----------------------|----------------|---|--|
| 12 Jan. (Sun) | Arrival | | |
| 13 Jan. (Mon) | 08:00-09:00 | Breakfast | |
| | 09:00-09:30 | Registration | RETC |
| | 09:30-11:00 | Opening Ceremony & Course Introduction | Mr. Choi Sung Ho |
| | 11:00-12:00 | Presentation 1: Country report | Trainees/ Mr. Choi Sung Ho |
| | 12:00-13:00 | Lunch | |
| | 13:00-15:00 | Presentation 2: Country report | Trainees/ Mr. Choi Sung Ho |
| | 15:00-17:00 | <ul style="list-style-type: none"> Lecture 1: Principles and Practices of Community-based Forest Fire Management Q & A | Mr. Sundar Sharma |
| 18:00-20:00 | Welcome dinner | | |
| 14 Jan. (Tues) | 08:00-09:00 | Breakfast | |
| | 09:00-12:00 | <ul style="list-style-type: none"> Lecture 2 : International trends and future research directions of forest fire management and Intro on Community-based Water Management toward integration with Forest Fire Management Q & A | Veerchai Tanpipat |
| | 12:00-13:00 | Lunch | |
| | 13:00-17:00 | <ul style="list-style-type: none"> Lecture 3: Ground suppression, safety, fire behavior and fire weather Q & A | Veerachai Tanpipat |
| | 18:00-19:00 | Dinner | |
| 15 Jan. (Wed) | 08:00-09:00 | Breakfast | |
| | 09:00-12:00 | <ul style="list-style-type: none"> Lecture 4: Global and ASEAN forest fire information system including what available free tools that can be used Q & A | Veerachai Tanpipat |
| | 12:00-13:00 | Lunch | |
| | 13:00-15:00 | <ul style="list-style-type: none"> Lecture 5: Korean forest fire information system Discussion on lecture 7 | Prof. Park Joowon |
| | 15:00-17:00 | <ul style="list-style-type: none"> Lecture 6: Drone technique for forest fire monitoring and measurement Q & A | TBD |
| | 18:00-19:00 | Dinner | |
| 16 Jan. (Thur) | 08:00-09:00 | Breakfast | |
| | 09:00-17:00 | <ul style="list-style-type: none"> Field visit for forest fire control practice | RETC Mr. Kwak Raeyoung Mr. Choi Sung Ho |
| | 18:00-19:00 | Dinner | |
| 17 Jan. (Fri) | 08:00-09:00 | Breakfast | |
| | 09:00-12:00 | Presentation 2: Action Plan and discussion | Trainees Mr. Choi Sung Ho Veerachai Tanpipat |
| | 12:00-13:00 | Lunch | |
| | 16:00-17:00 | <ul style="list-style-type: none"> Discussion and Feedbacks on Training Course Closing Ceremony | Mr. Choi Sung Ho |
| | 18:00-19:00 | Dinner | |
| 18 Jan. (Sat) | Departure | | |

5. ESTIMATED BUDGET

| Budget Items | Budget (USD) | Remarks |
|-----------------------------|--------------|---|
| 1) Airfare & Transportation | 16,400 | \$600 x 22 trainees from Asia \$800 x 4 trainers from international |
| 2) DSA , Visa, Others | 6,200 | \$35 x 6 days x 24 trainees, \$70 x 8 trainees, \$100 x 6 trainees |
| 3) Meals & Snacks | 3,600 | \$20 x 6 days x 30 persons |
| 4) Lecture Fee | 3,200 | \$800 x 4 invited trainers for 7 hrs |
| 5) Training Materials | 800 | Proceeding (\$300), stationery (\$100), papers & cartridge (\$200) and others (\$200) |
| 6) Operating Cost | 1,200 | Cleaning (\$400), laundry service (\$400), personal kits (\$400) |
| 7) Miscellaneous | 1,000 | Field preparation, banner |
| Total | | 32,400 (\$1,350 per trainee) |

6. REGISTRATION

Participants are requested to submit the registration forms including their CVs and passport copies.

7. VISA APPLICATION

Citizens of Brunei, Cambodia, Indonesia, Laos, Philippines, Thailand, Singapore and Vietnam can travel to Myanmar without a visa. Participants from other countries can apply for a visa at <https://evisa.moip.gov.mm/>.

8. FINANCIAL SUPPORT

The AFoCO Secretariat will cover participation costs (including airfare, accommodation, and training fees) and provide a Daily Subsistence Allowance (DSA) of US\$35 per day to participants of member countries over the duration of the training. During the training course, reimbursements will be given personally to the participants in US dollars as well as in Myanmar kyat (MMK) (in cash) following the current exchange rate.

9. CURRENCY & CREDIT CARDS

The currency in Myanmar is Myanmar Kyat (MMK). Foreign currencies are accepted at money changers at the International Airport (Terminal 1) as well as at the local banks. Please note that there are no money exchangers near the RETC. As such, participants are strongly advised to exchange the money at the International Airport. Using cash for transactions is recommended.

10. ELECTRICITY

The standard voltage in Myanmar is 220 V, 50 Hz and plugs with both round and flat 2 pins are generally used. Extension cords can be provided to participants. Plug adapters can be purchased from local stores in Myanmar.



11. LOCAL TIME

Myanmar is 6:30 hours ahead of Greenwich Mean Time (GMT+6:30).

12. ATTIRE

Participants keep in mind that the rainy season in Myanmar starts in May, so they are kindly requested to prepare for raincoats, umbrellas, casual clothes, and hiking boots for field trips.

13. RETC FACILITIES & SERVICES

The following facilities and services are available at the RETC:

- ✓ Internet Access
- ✓ Self-controlled Air Conditioner, Refrigerator
- ✓ 2-bedded room for trainees and 1 bedded room for trainers
- ✓ Water Heating System (in each bathroom)
- ✓ Toiletries (Towels, shower gel, shampoo, toothbrush, toothpaste) and hair dryer
- ✓ Laundry Room

14. GENERAL ENQUIRIES / EMERGENCY CONTACT

For more information or in the case of emergencies, please contact:

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