

**Republic of the Union of Myanmar
Ministry of Natural Resources and Environmental Conservation
Forest Department**



**“Three Dimensions Mapping and Location Map Composition with
QGIS Software Training”**

Completion Report

June 2021

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“Three Dimensions Mapping and Location Map Composition with QGIS Software Training” Completion Report

Introduction

1. With the funded of Asia-Pacific Network for sustainable forest management and rehabilitation (APFNet), Forest Research Institute (FRI) is implementing the integrated forest ecosystem management and demonstration project in greater Mekong sub-region (Myanmar) by signing MOU since August 2019. The three specific objectives are: (1) To conserve and improve forest germplasm resources through construction of Arboretum in FRI; (2) To demonstrate integrated watershed management practice in Paung Laung Watershed; and (3) To enhance the capacity and knowledge of local community, local government and staff through capacity building programs.

2. Total 14 times of training will be held during 5 years of project period. Training titles- 1) training courses for integrated watershed management practices, 2) nursery practices, 3) Tree planting and fruit tree planting, 4) sustainable uses of Non timber forest products, and 5) fruit processing and marketing. These trainings will be held two times for each training title. Trainings are mainly focus on the capacity building and participation of local forest staffs and local villagers for integrated watershed forest conservation. Therefore, this training was held to reuse the basic knowledge of integrated watershed management for the successful integrated watershed conservation processes.

Objectives

3. The objectives are as follows-

- (1) To understand the reasons of deforestation and degrading watershed forests
- (2) To understand and effectively use for 3D mapping

4. Training Period

Training was held during June 17, 2021 to June 19, 2021 for 3 days.

Training Place

5. Training was held at Auditorium of Forest Research Institute.

Opening/ Closing Ceremony

6. Opening/ closing ceremony will be attached in appendix (1-1) and (1-2).

Invited Persons

7. Invited persons will be attached in appendix 2.

Training Courses

8. Training time table will be attached in appendix (3) and training courses are as follows-

- (1) Introducing about project and training
- (2) Discussing about the reasons of deforestation and degrading watershed forests
- (3) Teaching and practicing of 3D Mapping

Trainers

9. U Naining Htet Lwin, Assistant Director of Environmental Conservation Department and Daw Sat Myat Marlar, Staff Officer of Environmental Conservation Department.

List of Trainees

10. 20 trainees: Range Officers of Forest Department, Research assistant-2, Research assistant-3 and Project staffs and observers of Forest Research Institute, Yezin attended in this training.

Cost for Training

11. Training cost was funded by the integrated forest ecosystem management and demonstration project in greater Mekong sub-region (Myanmar), APFNet.

Invitation letters

12. Invitation letters and confirmation letters were communicated by using fax and telephone. Invitation letters will be attached in appendix (4).

Preparing Ceremony

13. Backdrop preparation, social distancing seating plan, setting up for COVID-19 prevention, video camera preparation and audio devices arrangement were prepared by the staffs of Forest Research Institute, Yezin. Backdrop sample will be attached in appendix (5).

Hospitality

14. Hospitality including opening ceremony and closing ceremony were arranged by the staffs of Forest Research Institute, Yezin.

Documentary

15. Photo documentary and training records were taken by Project Assistant of FD-APFNet (IFEM) Project.

- (1) Making name list. Group of recording name list was making the attendance of trainees and giving the update information of training.
- (2) Documentary. Group of documentary was taking photos, note records and writing completion report.

Preparing for COVID- 19 Prevention

16. Prevention procedures are as follows-

- Washing hands
- Taking body temperature
- Using face masks and wasting face masks systematically into the bin

- Using face shields
- If one of the trainees were ill, he/ she should take to nearest clinic or hospital and should be obey the procedures of COVID-19 prevention.
- To stay social distancing about 6 feet from each to each.

Teaching Topics

Training pre- test was made before starting training. Google Earch Pro, Point, Line, Polygon, GPS, area measurement, 3D Mapping and 3D Mapping photo input to Microsoft Publisher were conducted to the trainees. Moreover, labeling, shape files downloading from MIMU, Dissolve and Select by attribute methods, UTM map Georeferencing, Elevation and Contour Map methods were taught systematically and step by step. Training post- test was also made after finishing training. At that time, the improvement the knowledge of 3D Mapping of trainees can be seen. According to the feedbacks of trainees, they can get the knowledge of area calculation, 3D Mapping drawing and the facts that needs to make a map, then, they may effort for their research works and departmental works. However, 3 days training for 3D Mapping is very short and intensive, so, the trainees commented to take longer days for more effective training. The training documentary photos will be attached in appendix (6).

Conclusion

17. Integrated forest ecosystem management and demonstration project in greater Mekong sub-region (Myanmar), APFNet is targeting to encourage the local villagers of project area and local forest staffs of the knowledge of integrated watershed management. The trainees may effectively use the mapping courses to their professional works and watershed conservation.

Appendix (1-1)

“Three Dimensions Mapping and Location Map Composition with QGIS Software **Training**”

Agenda for Opening Ceremony

Date ။ 17.6.2021 (Thursday)

Time ။ 09: 00- 09: 30

Place ။ Auditorium, Forest Research Institute, Yezin

No.	Time	Agenda
1	09: 00- 09: 30	Agenda for Opening Ceremony (1) Announcement for opening ceremony (2) Talking opening speech by U Tin Than Myo, Director for FRI (3) Announcement of ending for opening ceremony (4) Photo Documentary (5) Tea break

Appendiz (1-2)

“Three Dimensions Mapping and Location Map Composition with QGIS Software **Training**”

Agenda for Closing Ceremony

Date ။ 19.6.2021 (Sunday)

Time ။ 16: 20- 17: 10

Place ။ Auditorium, Forest Research Institute, Yezin

No.	Time	Agenda
1	16: 20- 17: 10	Agenda for Closing Ceremony (1) Announcement for Closing Ceremony (2) Talking closing speech by U Tin Than Myo, Director of FRI (3) Awarding the certificates (4) Announcement of ending for closing ceremony (5) Photo Documentary (6) Tea break

Appendix (2)

“Three Dimensions Mapping and Location Map Composition with QGIS Software **Training**”

Invitated Persons

	Name	Department	Number
1	Director, Deputy Directors, Assistant Directors	Forest Research Institute	10
2	Statt Officers, Research Assistant	Forest Research Institute	15
3	Trainees	Forest Department and Forest Research Institute	20
Total			45

Appendix (3)

“Three Dimensions Mapping and Location Map Composition with QGIS Software **Training**”

Training Courses and Time Table (17.6.2021 to 19.6.2021)

Date/ Time	9:00 - 10:00	10:00 – 10:15	10:15 - 12:15	12:15 – 13:00	13:00 - 15:00		15:00 – 15:15	15:15 - 16:15	16:15 - 17:15	17:15 - 19:00	19:00 - 21:00
17-6-2021	Opening Ceremony	Tea Break	Pre-test (U Ye Lwin Aung)	Lunch Break	Introducing to project and training (Dr. Ei Ei Swe Hlaing)	Discussing about deforestation and degrading of watershed forests) (U Tin Than Myo)	Tea Break	Teaching QGIS		Dinner	Night Study
18-6-2021	Teaching 3D Mapping (U Naing Htet Lwin and Daw Sat Myat Marlar)		Teaching 3D Mapping (U Naing Htet Lwin and Daw Sat Myat Marlar)		Teaching 3D Mapping (U Naing Htet Lwin and Daw Sat Myat Marlar)			Practicing 3D Mapping (U Naing Htet Lwin and Daw Sat Myat Marlar)	Practicing 3D Mapping (U Naing Htet Lwin and Daw Sat Myat Marlar)		
19-6-2021	Practicing 3D Mapping (U Naing Htet Lwin and Daw Sat Myat Marlar)		Practicing 3D Mapping (U Naing Htet Lwin and Daw Sat Myat Marlar)		Practicing 3D Mapping (U Naing Htet Lwin and Daw Sat Myat Marlar)			Post- test (U Ye Lwin Aung)	Closing Ceremony		



သယံဇာတနှင့်သဘာဝပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဝန်ကြီးဌာန
သစ်တောဦးစီးဌာန



သင်တန်းဖွင့်ပွဲအခမ်းအနား ဖိတ်ကြားခြင်း

“Three Dimensions Mapping and Location Map Composition with QGIS Software
အသုံးပြုနည်း လက်တွေ့သင်ကြားခြင်းသင်တန်း”

ဖွင့်ပွဲအခမ်းအနားကို အောက်ဖော်ပြပါ အစီအစဉ်အတိုင်း ကျင်းပပြုလုပ်မည်ဖြစ်ပါသဖြင့်
ကြွရောက်ချီးမြှင့်ပါရန် လေးစားစွာ ဖိတ်ကြားအပ်ပါသည်။

နေ့ရက် - ၂၀၂၁ခုနှစ်၊ ဇွန်လ ၁၇ ရက် (ကြာသပတေးနေ့)

အချိန် - နံနက် (၀၉:၀၀) နာရီမှ (၀၉:၃၀) နာရီအထိ။

နေရာ - စုဝေးခန်းမ၊ သစ်တောသုတေသနဌာန၊ ရေဆင်း



သယံဇာတနှင့်သဘာဝပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဝန်ကြီးဌာန
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သင်တန်းဆင်းပွဲအခမ်းအနား ဖိတ်ကြားခြင်း

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အသုံးပြုနည်း လက်တွေ့သင်ကြားခြင်းသင်တန်း” သင်တန်းဆင်းပွဲအခမ်းအနားကို
အောက်ဖော်ပြပါ အစီအစဉ်အတိုင်း ကျင်းပပြုလုပ်မည်ဖြစ်ပါသဖြင့် ကြွရောက်ချီးမြှင့်ပါရန်
လေးစားစွာ ဖိတ်ကြားအပ်ပါသည်။

နေ့ရက် - ၂၀၂၁ ခုနှစ်၊ ဇွန်လ ၁၉ ရက် (စနေနေ့)

အချိန် - နေ့လည် (၁၆:၂၀) နာရီမှ (၁၇:၁၀) နာရီအထိ။

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သစ်တောဦးစီးဌာနနှင့် APFNet တို့ပူးပေါင်းကျင်းပသော

“Three Dimensions Mapping and Location Map Composition with QGIS Software Training”
သင်တန်းဖွင့်ပွဲအခမ်းအနား

၁၇-၆-၂၀၂၁

သစ်တောသုတေသနဌာန၊ ရေဆင်း



သယံဇာတနှင့် သဘာဝပတ်ဝန်းကျင်ထိန်းသိမ်းရေးဝန်ကြီးဌာန
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၁၉-၆-၂၀၂၁

သစ်တောသုတေသနဌာန၊ ရေဆင်း



Talking Opening Speech by Director of FRI

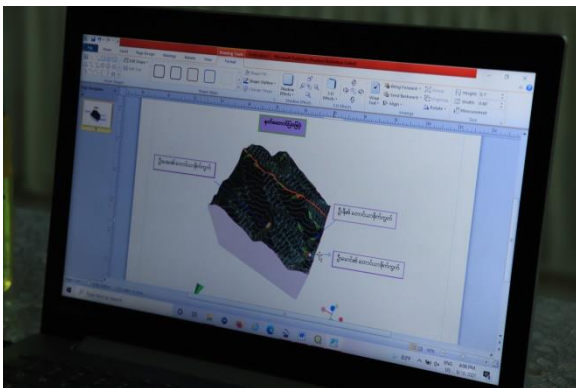


Documentary photo of Opening Ceremony



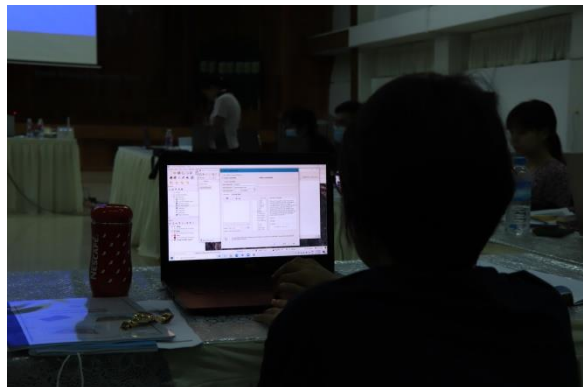
Pre- test exmiation







Documentary Photos of 3D Mapping Training



Night Study photos



Post- test exmination



Closing Ceremony and Awarding certificates to trainees