



## Progress of APFNet/2013/PP/05 Community Based Sustainable Forest Management of Sungai Medihit Watershed, Sarawak, MALAYSIA

LI Qiang  
ITTO Secretariat

The 2nd meeting of the APFNet Council  
Siem Reap, Cambodia

INTERNATIONAL TROPICAL TIMBER ORGANIZATION (ITTO)

## KEY MILESTONES OF APFNet-ITTO-SARAWAK FD SUNGAI MEDIHIT WATERSHED PARTNERSHIP



**THE TRIPARTITE AGREEMENT OF THE PROJECT WAS SIGNED ON 23 MARCH  
2015 AT MEGA HOTEL, MIRI, SARAWAK**

- In 2008, ITTO funded Pre-Project PPD135/07 Rev,1(F)
- In 2012, ITTO Secretariat forwarded the document [PD563/09 Rev.4(F): Community-Based Forest Management of Sungai Medihit Watershed, SARAWAK] to APFNet Secretariat
- In early April 2013, the honourable Executive Director of APFNet, Prof. Qu Guilin led a delegation to SARAWAK
- In 2014, the Project Document was finalised by APFNet, ITTO and Executing Agency
- In 2015, the implementation started

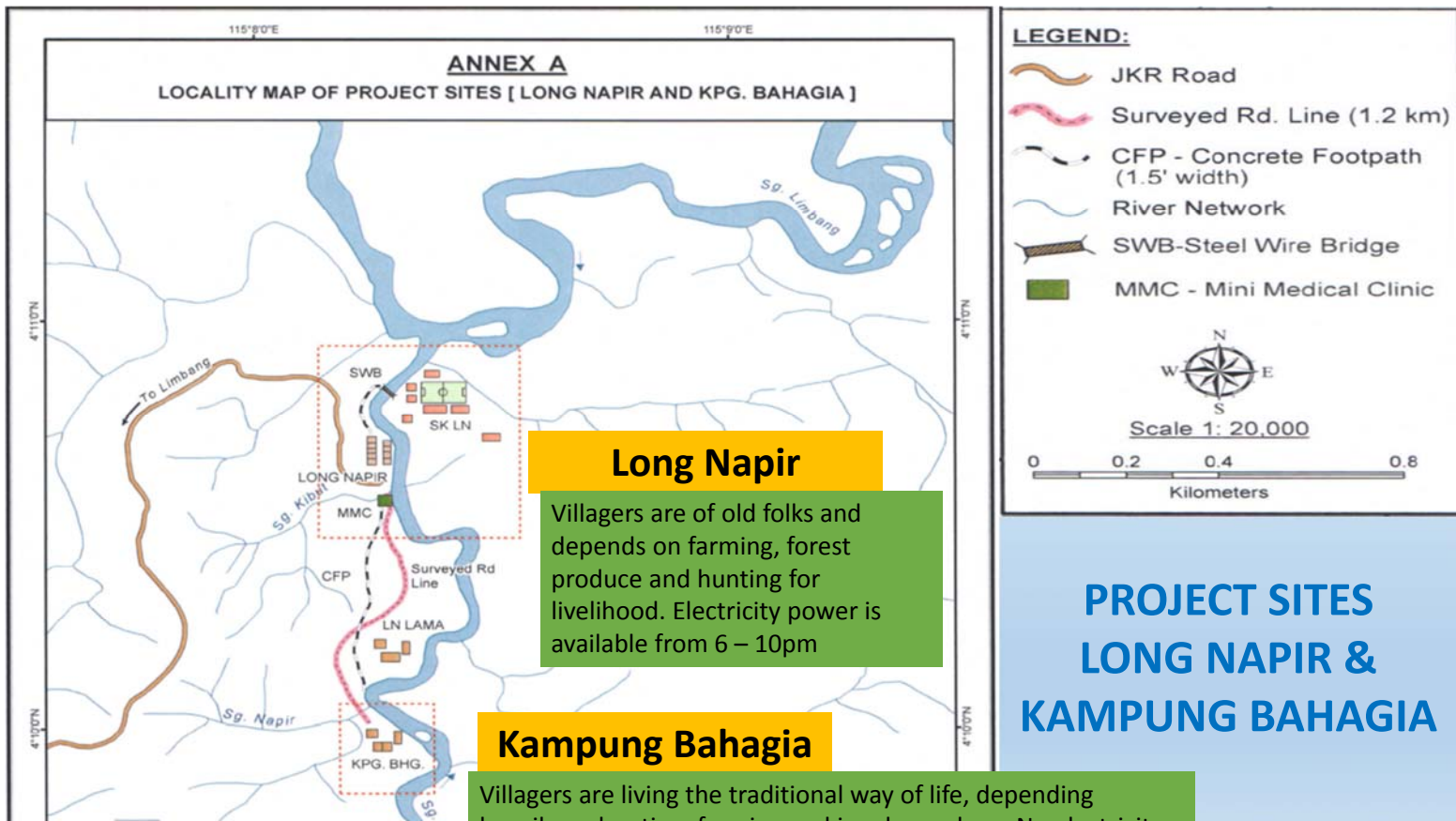
# PROJECT BRIEF INFORMATION

<b>Project Title</b>	<b>Community Based Sustainable Forest Management of Sungai Medihit Watershed, Sarawak, MALAYSIA</b>		
<b>Supervisory Agencies</b>	ITTO (International Tropical Timber Organization)		
<b>Executing Agency</b>	Sarawak Forest Department		
<b>Project Duration</b>	24 months		
<b>Implementation Inception</b>	1 July 2015		
<b>Total Budget US\$835,000</b>	APFNet Grant US\$430,000		

# MAP OF SARAWAK, MALAYSIA

<b>Project Location</b>	<b>Sungai Medihit Watershed, Sarawak, MALAYSIA</b>
<b>Project Sites</b>	Long Napir and Kampung Bahagia
<b>Target Communities</b>	Kelabit at Long Napir and Penan at Kampung Bahagia





## PROJECT GOAL AND SPECIFIC OBJECTIVES



The goal is to promote Sustainable Forest Management in Sungai Medihit Watershed through building the capacity of the local community, demonstrating innovative operational models and establishing new governance mechanism on community development

The project aims to

- To promote Sustainable Forest Management through the setting up Forest Management Plans, applying innovative Forest Management Techniques and establishing Forest Management Mechanism
- To enhance the capacity of communities on Sustainable Forest Management and livelihood development
- To improve the living conditions by upgrading the community service infrastructure

# Project Logical Framework

Items	Intervention Logic	Objectively verifiable indicators of achievement	Sources of information and means of verification	Assumptions and Risks
<b>Goal</b>	To promote the sustainable forest management in Sungai Medihit watershed area by building the capacity of the community, demonstrating innovative operational model and establishing new governance mechanism on community development.	<ol style="list-style-type: none"> <li>1. Forest management in the watershed area is well improved</li> <li>2. Village amenities improved</li> </ol>	<ol style="list-style-type: none"> <li>1. Project completion report</li> <li>2. Project evaluation reports</li> <li>3. Project monitoring reports</li> </ol>	<ol style="list-style-type: none"> <li>1. The local forest policy for the watershed is stable and consistency;</li> <li>2. Supports are available from relevant agencies</li> <li>3. Cooperation from local residents</li> </ol>
<b>Objectives</b>	<ol style="list-style-type: none"> <li>1. To improve the sustainable forest management by rational planning, technique innovation and mechanism design;</li> <li>2. To enhance the capacity of the community on forest management and livelihood development to contribute sustainable development of local communities;</li> <li>3. To better living conditions by renovating the community service infrastructure</li> </ol>	<ol style="list-style-type: none"> <li>1. Forests in the watershed are well managed</li> <li>2. The capacity of the community on forest management and livelihood development is enhanced.</li> <li>3. The living conditions of the communities are improved.</li> </ol>	<ol style="list-style-type: none"> <li>1. Quality of the forests in the watershed</li> <li>2. Income increase of the selected households</li> <li>3. Survey of facilities available</li> </ol>	<ol style="list-style-type: none"> <li>1. Village committee mobilizes local residents in forest management and community development activities</li> <li>2. High quality workmanship</li> </ol>

Output 1	Community forest management improved			
<b>Activity 1.1</b>	Baseline survey on resources and socio-economic development	The resources and the general socio-economic information in the two communities are available for use	Survey reports of the two communities	Field work progress as planned. Fine weather
<b>Activity 1.2</b>	Community forest management planning	Participatory approaches and tools are introduced for forest management planning.	Forest management plans for the two communities	Field work is uninterrupted as planned. Fine weather
<b>Activity 1.3</b>	Demonstrate the sustainable community forest management practices	New silviculture treatments integrated traditional knowledge are developed and demonstrated in the two community	<ol style="list-style-type: none"> <li>1. Demonstration schemes for the two community;</li> <li>2. Activity reports;</li> </ol>	<ol style="list-style-type: none"> <li>1. Fine weather</li> <li>2. Local households actively involved;</li> <li>3. Technical training providers are available in time;</li> <li>4. Seedlings and other materials for demonstration are ready as planned.</li> </ol>
<b>Activity 1.4</b>	establish the participatory community forest management mechanism	Community governance is enhanced.	<ol style="list-style-type: none"> <li>1. Co-management agreement for the communities</li> <li>2. Activity completion report</li> </ol>	<ol style="list-style-type: none"> <li>1. Stakeholders are committed to their work</li> <li>2. Very successful meeting</li> </ol>

Output 2	Capacity of the community on development enhanced			
Activity 2.1	Alternative livelihood activities	The selected households get benefit from the livelihood demonstration activities	<ol style="list-style-type: none"> <li>1. Activity plans</li> <li>2. Completion reports</li> <li>3. Income increase of the selected households</li> </ol>	<ol style="list-style-type: none"> <li>1. Fine weather</li> <li>2. Local households is willing to get helps and actively involved;</li> <li>3. Technical training providers are available in time;</li> <li>4. Materials for demonstration are ready as planned.</li> </ol>
Activity 2.2	Infrastructure projects contributing to SFM			
Activity 2.2.1	Gravelling 7 km of Road from Penan to Long Napir	Transportation condition between the two communities improved	<ol style="list-style-type: none"> <li>1. Photographs of the completed road</li> <li>2. Regulations for maintaining</li> </ol>	<ol style="list-style-type: none"> <li>1. Fine weather</li> <li>2. Construction materials available in Limbang</li> <li>3. Skilled labour and workman available</li> </ol>
Activity 2.2.2	Build the multi-functional meeting room for the community	Venues provided for the village meetings, training courses and other gathering	<ol style="list-style-type: none"> <li>1. Photographs of the completed meeting room</li> <li>2. Regulations for operating and maintaining</li> <li>3. Records of uses</li> <li>4. Materials and equipment purchased</li> </ol>	<ol style="list-style-type: none"> <li>1. Fine weather</li> <li>2. Construction materials available in Limbang</li> <li>3. Skilled labour and workman available</li> </ol>

Output 2	Capacity of the community on development enhanced			
Activity 2.2.3	Build the guesthouse for community school	Accommodation provided for the parents of the pupils	<ol style="list-style-type: none"> <li>1. Photographs of the completed guesthouse</li> <li>2. Regulations for operating and maintaining</li> <li>3. Records of accommodation</li> <li>4. Materials purchased</li> </ol>	<ol style="list-style-type: none"> <li>1. Fine weather</li> <li>2. Skilled labour and workman available</li> <li>3. Construction materials available in Limbang</li> </ol>
Activity 2.2.4	Alternative Energy Facilities Demonstration	Solar energy facilities demonstrated	<ol style="list-style-type: none"> <li>1. Photographs of the completed solar energy facilities</li> <li>2. Energy consumption reports</li> <li>3. Daily expense decrease of the selected households</li> </ol>	<ol style="list-style-type: none"> <li>1. Good cooperation of the selected households</li> <li>2. Qualified workers for installing the facilities</li> <li>3. Good quality solar energy equipment available at local</li> </ol>

# OUTPUT 1: IMPROVEMENT IN COMMUNITY FOREST MANAGEMENT

Activity 1.1 Baseline Survey on Resources and Socio-economic Development

## Achievement

- A **resource survey** was successfully carried out deep in the forest by a team of field assistants led by the Project consultant
- A **socio-economic survey** was successfully carried out by Project consultants with assistance from university students as field assistants

# OUTPUT 1: IMPROVEMENT IN COMMUNITY FOREST MANAGEMENT

Activity 1.1 Baseline Survey on Resources and Socio-economic Development

## Impacts

- The team gathered **data** on forest resources and community socio-economic circumstances. The consultant was developing a preliminary Community Forest Management Plan
- The implementation of Activity 1.1 acts as **basis** for the successful implementation of other activity in achieving the goal of improvement in Community Forest Management

# OUTPUT 1: IMPROVEMENT IN COMMUNITY FOREST MANAGEMENT

## Activity 1.1 Baseline Survey on Resources and Socio-economic Development

### Forest Resource Assessment Activities Pictures



# OUTPUT 1: IMPROVEMENT IN COMMUNITY FOREST MANAGEMENT

## Activity 1.2 Community Forest Management Planning

### Achievement

- Successful combined village **meeting** with 70% attendance of villagers
- A **timber resource survey** was successfully carried out with the help of the local community
- Work on participatory natural resources **mapping** started in forest areas far from the Project Village

# OUTPUT 1: IMPROVEMENT IN COMMUNITY FOREST MANAGEMENT

## Activity 1.2 Community Forest Management Planning

### Impacts

- Increase **awareness** of the importance of Sustainable Forest Management among the targeted communities
- The data on timber resources and land mapping will lead to better **land management and training** for the community on nursery techniques for selected timber species to be raised and planted for future generations

## Community Forest Management Planning



In Sarawak, the success of community forestry activities was seen as dependent on (i) the community possessing on legal rights to forest produce and/or security of land tenure and (ii) initiative taken by the community (rather than imposed from outside)

Discussions of the project with the two indigenous communities include:

- limiting extraction of important timber species used for house and boat construction;
- felling only mature trees (e.g. ramin for planks and kapur for the body of a boat);
- nurturing seedlings, saplings and immature trees and leaving them to mature.



# VARIOUS PICTURES FROM PROJECT SITE

Areal view of the mountain terrain at Project site



Resting at the edge of steep path between Long Napir and Kampung Bahagia



## OUTPUT 1: IMPROVEMENT IN COMMUNITY FOREST MANAGEMENT

### Activity 1.3 Demonstrate Sustainable Community Forest Management Practice

#### Achievement

- Completion of summarizing **traditional models** for protection and sustainable use of forest resources through interviews and field survey with help from local community
- Identification of **potential forest land** to be reserved for Kelabit and Penan community
- Create a complete **list of tree and NTFPs** species having economic value to the Kelabit and Penan communities and worth planting

# OUTPUT 1: IMPROVEMENT IN COMMUNITY FOREST MANAGEMENT

## Activity 1.3 Demonstrate Sustainable Community Forest Management Practice

### Impacts

- Data obtained will assist Project consultant in establishing a **demonstration site** for High Protection Value Forest and a nursery of important species such as Gaharu, Sekaliew, fruit trees and timber trees
- A **better understanding** of the local community **traditional model** of forest resource usage prior to introduction of new method of Sustainable Community Forest Management

## Traditional Longhouse at Long Napir

Kelabit's longhouse at Long Napir



Village meeting consultant at Long Napir until late at night without electricity



# OUTPUT 1: IMPROVEMENT IN COMMUNITY FOREST MANAGEMENT

## Activity 1.4 Establish the Participatory Community Forest Management Mechanism

### Status

- The consultant is deferring his field work for the time being due to the urgency to carry out resources survey (forest inventory) under Activity 1.1.
- The consultant is carrying out signing co-management agreement and holding co-management meetings.

## VARIOUS PICTURES FROM PROJECT SITE

Consultant with villagers at Sungai Medihit, Long Napir



Project Manager met with villagers at Kampung Bahagia



## OUTPUT 2: CAPACITY OF THE COMMUNITY ON DEVELOPMENT ENHANCED

### Activity 2.1 Alternative Livelihood Activities

#### Achievement

A successful initiation of **four (4) alternative** livelihood activities

- Identification and establishment of Tagang System at Sungai Medihit
- **Chicken** rearing activity are active and chicken are sold for profit

## OUTPUT 2: CAPACITY OF THE COMMUNITY ON DEVELOPMENT ENHANCED

### Activity 2.1 Alternative Livelihood Activities

#### Achievement

- **Vegetables** farming activity are active and vegetables are sold for profit
- Selected homestay site are going through important renovation to be **tourist** ready

# OUTPUT 2: CAPACITY OF THE COMMUNITY ON DEVELOPMENT ENHANCED

## Activity 2.1 Alternative Livelihood Activities

### Impact

- Both targeted communities are exposed to **new methods** of increasing household incomes
- Each household learned first-hand **new skill** of livelihood activities that can be extended to other households
- Each household experienced an increase in household **income** and less dependent on timber and NTFPs

# OUTPUT 2: CAPACITY OF THE COMMUNITY ON DEVELOPMENT ENHANCED

## Activity 2.1 Alternative Livelihood Activities

### Vegetable & Chicken Farming Activities at Project Site



## OUTPUT 2: CAPACITY OF THE COMMUNITY ON DEVELOPMENT ENHANCED

### Activity 2.2 Infrastructure Improvement Contributing to SFM

#### Achievement

- Discussion with NCR land owners have been successful for construction of **road** from Long Napir to Kampung Bahagia
- Preparation for gravelling of road (part) such as acquiring stones from supplier and manpower has been arranged
- Construction site for building **Multi-Purpose Hall** has been identified

## OUTPUT 2: CAPACITY OF THE COMMUNITY ON DEVELOPMENT ENHANCED

### Activity 2.2 Infrastructure Improvement Contributing to SFM

#### Achievement

- Core materials for renovations of **Guest House** and manpower has been acquired
- Successful installation of **solar energy** power system at households of both villages

# OUTPUT 2: CAPACITY OF THE COMMUNITY ON DEVELOPMENT ENHANCED

## Activity 2.2 Infrastructure Improvement Contributing to SFM

### Impacts

- Household have access to **electricity** from installed solar power system that is beneficial when doing daily chores
- The local community at both villages are active in acquiring materials for construction of **roads and Guest House**, which increased their household income

# OUTPUT 2: CAPACITY OF THE COMMUNITY ON DEVELOPMENT ENHANCED

## Activity 2.2 Infrastructure Improvement Contributing to SFM

### Homestay at Kampung Bahagia



### Solar Powered Lights at Long Napir



# VARIOUS PICTURES FROM PROJECT SITE

Ascending dirt road leading to Long Napir (Left)



Steel bridge leading to Long Napir



# VARIOUS PICTURES FROM PROJECT SITE

Penan's longhouse at Kampung Bahagia



The school field and building at SK Long Napir





# VARIOUS PICTURES FROM PROJECT SITE

Kelabit's longhouse at  
Long Napir



Volleyball court at Long Napir



## SARAWAK FD SUNGAI

- Several photos of Project activities have been uploaded to <https://www.flickr.com/photos/apfnet/>
- These are photos taken at the Project site that shows the progress of the Project Output Activities
- A successful Project briefing with the Sarawak State Secretary department and the State Planning Unit was held on 28 April 2016
- Mr Shahbudin Bin Hj Sabki, Assistant Director of Forest was also present in the Project briefing together with the Project Manager, Mr Morris Kapong and Senior Executive Forester Mr Suliman Bin Jemahari

# Conclusions, Lessons and Ways Forward



- ❑ **APFNet project in Sarawak :** The progress achieved for the reporting period are **encouraging** as expected despite a delay of some activities.
- ❑ **Sound working environment:** The Sarawak Forest Department, the project team and concerned communities have established a good **working relationship** in the implementation of various activities.
- ❑ **Awareness and willingness:** Active participation of communities will be the assurance of the successful implementation of this project. Increased **awareness and willingness** is critical for stakeholders involvement.
- ❑ **Field visits:** It is learned that field visits is important as it enables to observe, monitor, measure, evaluate and record implementation.
- ❑ **Effective implementation of the project:** Efforts should be made for accelerating project implementation, followed by enhanced monitoring and supervision.
- ❑ **Sustainable capacity building:** Considerable time is needed to build capacity of the two indigenous local communities to use participatory approaches in watershed management; **longer term approach** to achieve more consistent and replicable results.