Decarbonization on small scale: Lesson learnt with community on *MULTI STAKEHOLDER PROCESSES*: A long way to Self Implementation of REDD+ at Air Lanang Social forest, Rejang Lebong, BENGKULU

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# LANDSCAPE BUKIT DAUN REGISTER 5 (2.068 HA)

### **ULU MUSI Water catchment Area**



UJAN MAS Social Forest (319 HA)

## HKM TANJUNG ALAM SF (450 HA)

HKM AIR LANANG SF (348 HA)

### **UJAN MAS hidro power**

All financed and supported by JICA at early 2000

Programs At Air Lanang Social Forestry (formerly Protection Forest) Initiated early 2000 by Indonesian Gov with support JICA

REHABILITATE PURE COFFEE PLANTATION AT FORMERLY PROTECTION FOREST INTO MORE ENVIRONMENTAL SOUND FOREST MANAGEMENTS THROUGH INTRODUCING AGROFORESTRY SYSTEM AND CALLED IT AS SOCIAL FORESTRY PROGRAM

HOWEVER, IT DID NOT WORK WELL AS INDICATED BY LOW NUMBER OF MULTIPURPOSE TREES PER HA, WHICH WERE FAR LESS (314 TREES/HA FROM IDEAL CONDITION 411 TREES/HA Sistim Agroforesty at Air Lanang Social Forestry



Coffee + Multi purpose trees (mpts) (Durian, Bettle nut trees, )

a. Ideal condition : 411 MPTS trees/ha (ENCUM 2010)b. Reality: farmers planted far less than ideal (average 314 trees



| MPTS/HA            | Number of growers (%) |
|--------------------|-----------------------|
| a. < 200 trees     | 18.41 %               |
| b. 200-400 trees   | 51.97 %               |
| c. > 400 trees     | 29.61 %               |
| Average =413 trees |                       |

IMPLEMENTATION OF REDD+ AT SMALL SCALE with OBJECTIVES

- A. Restoring ecosystem functions of Coffee Plantation formerly Protection Forest
- **B.** Restoring hydrological functions
- **C.** Increasing vilagers' wellfare
- D. Implementing REDD+ with self financed at mikro scale
- E. Saving and protecting lifehood at watershed area

# **METHODS**

## 1. STAKE HOLDER ANALYSIS

# 2. SCENARIO ANALYSIS



University of Bengkulu

Hydro electric power plant





#### Progress on Capacity building on Farmer group







#### Tree System Information (BIOMASS/CARBON)

