



ໂຄງການພັດທະນາໄມ້ປ່ອງ ແຂວງຫົວພັນ

Bamboo Project

GRET

Professionals for Fair Development



Development of NTFP Value chain

Natural Resource & Agroecology

The case of the Hok Bamboo shoots development
The Bamboo Project / GRET
in Houaphanh Province, Laos

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Sara Melki



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Bamboo Sector Development Project, Houaphanh Province



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra
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Swiss Agency for Development and Cooperation SDC



I. NTFP AS PART OF AGROECOLOGY



NTFP as part of Agroecology

Part of Farming system of Lao Farmers

Non-timber forest products (NTFPs) play a central role in the rural economy.

Collection of NTFPs for sale is also recognized, with the condition that **management plans are formed and approved.**

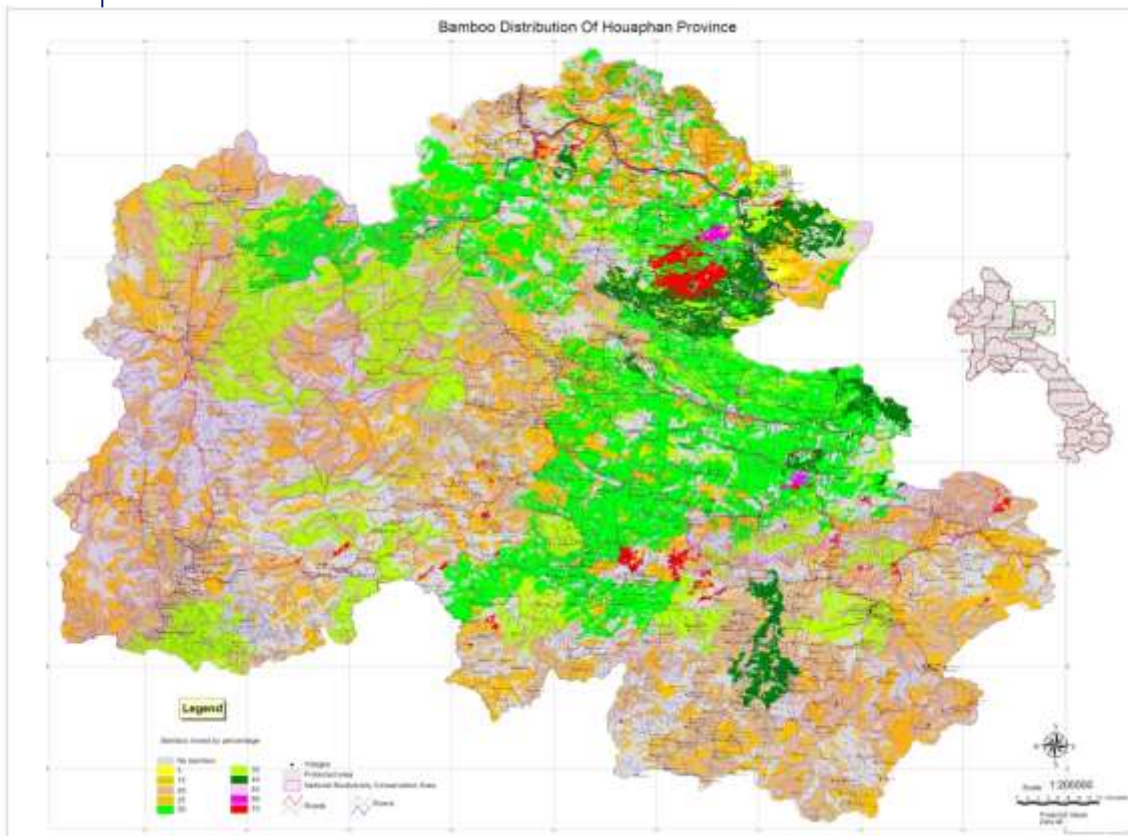
Maintaining sustainable NTFP guarantees forest biodiversity



Bamboo as part of Agroecology

Bamboo in Houaphan ;

- Large area in Natural Forest
- 4400 ha allocated,
- 3400 ha with a management plan in 26 villages



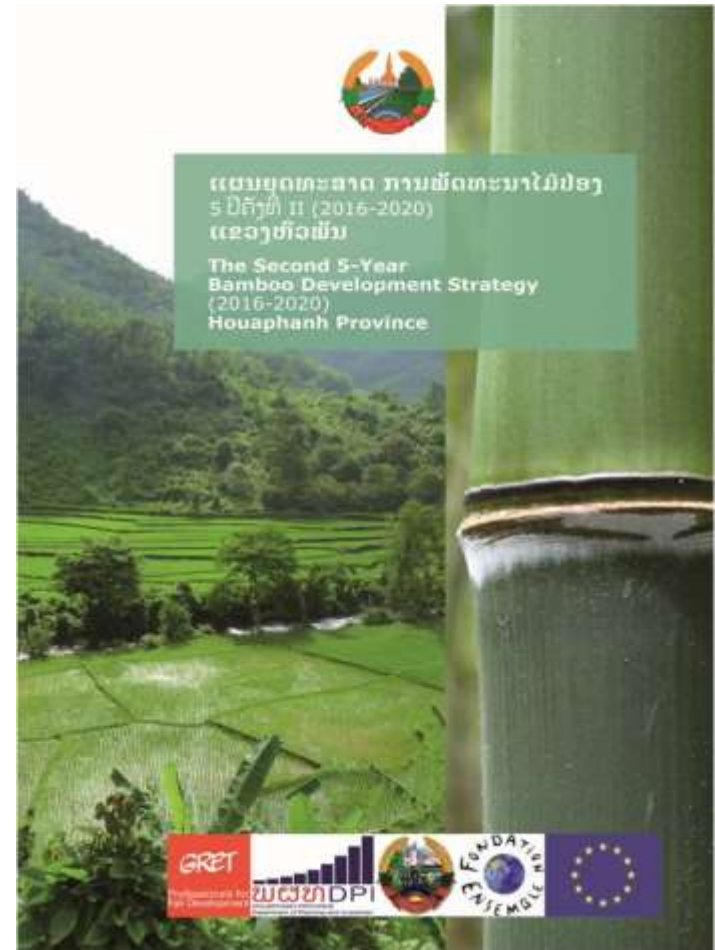
Complementary income of;

- US\$200 per household per year
- US\$ 540 000 produced at village level in 2015 for 2800 households



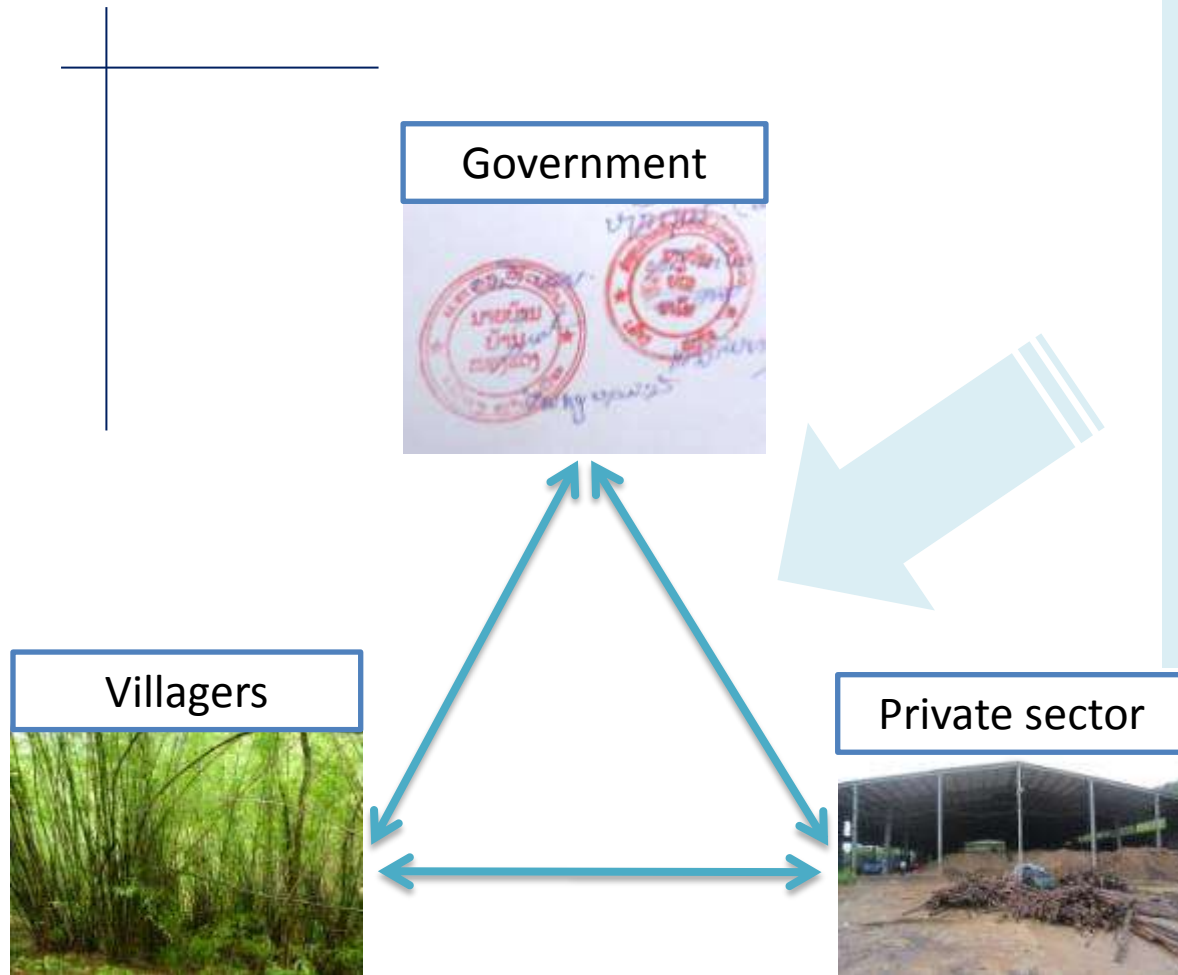
Sector supported by a Bamboo Provincial Strategy 2011-15 & 2016 2020

- A “**Bamboo Provincial Strategy 2016-2020**” has been designed and approved by Governor of Huaphan Province.
- **Objectives:**
 1. Sustainable bamboo resource management (natural communal forests & individual plantations)
 2. Bamboo Business Development
 3. Enabling environment (Policy & Organization)





Government oversees the learning process, with support of the Bamboo Project



The Bamboo Project plays a role of « **facilitator** » of **the collective learning process** since 2010

Through Multistakeholders consultation and workshops (Value Chain Workshop every year) with a strong analyses of the VC and the collective definition of the business plan



I. AN INNOVATIVE LEARNING PROCESS



Natural Resource management and sustainable trade

2010

2011

A banned by PAFO

Forest management approved in 1 village
Starting the experimentation on forest management practices

Illegal harvest and trade



Use of Sulfur, everyone is cheating

Resulted in poisonous product



<http://www.321020110908-80-334741/>

Contaminated bamboo shoots seized in Thanh Hoa Province

Vietnam's Bridge - A large volume of contaminated bamboo shoots were seized by authorities in the northern province of Thanh Hoa (Nov 16-23), even after the Ministry of Agriculture and Rural Development has ordered specific checks on fresh and dried bamboo shoots and sea fish heads.



A large volume of contaminated bamboo shoots were seized.



Natural Resource management and sustainable trade

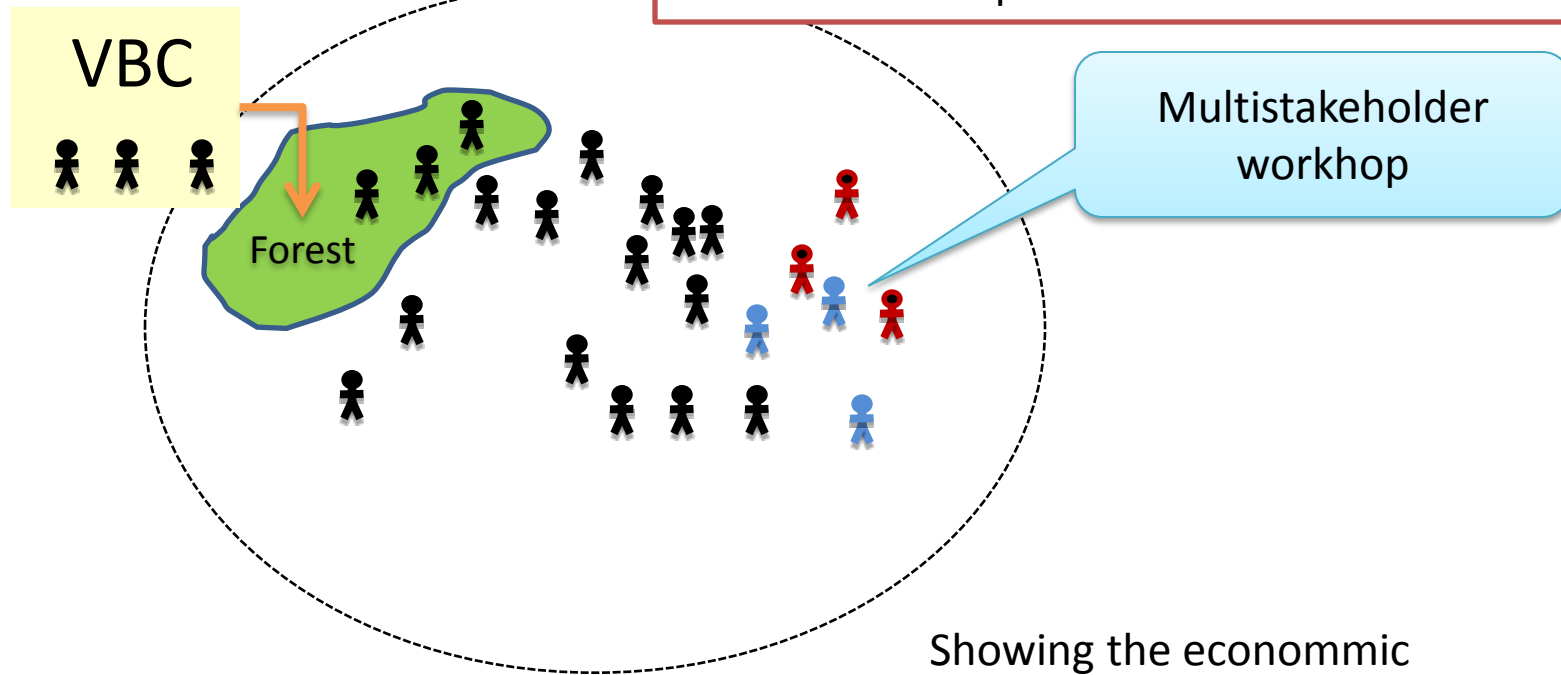
2010

2011

2012

FMP approved in 1 village
Starting the experimentation on forest management practices

BBTF agree on opening the collection for trade
Give Quota to 3 traders as an experimentation



Showing the economic importance of the Value chains and its disaster induced by the banned



Natural Resource management and sustainable trade

2010

2011

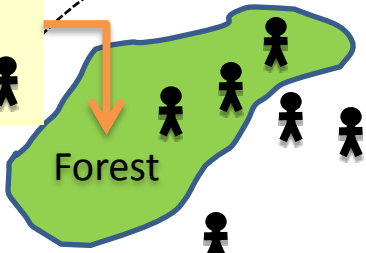
2012

2013


6 FMP
Annual Forest
monitoring
E&D

Forest monitoring
Report approved

VBC

Multistakeholder
workshop

PG


Processig units
Quality improvment

Chinese processor





Natural Resource management and sustainable trade

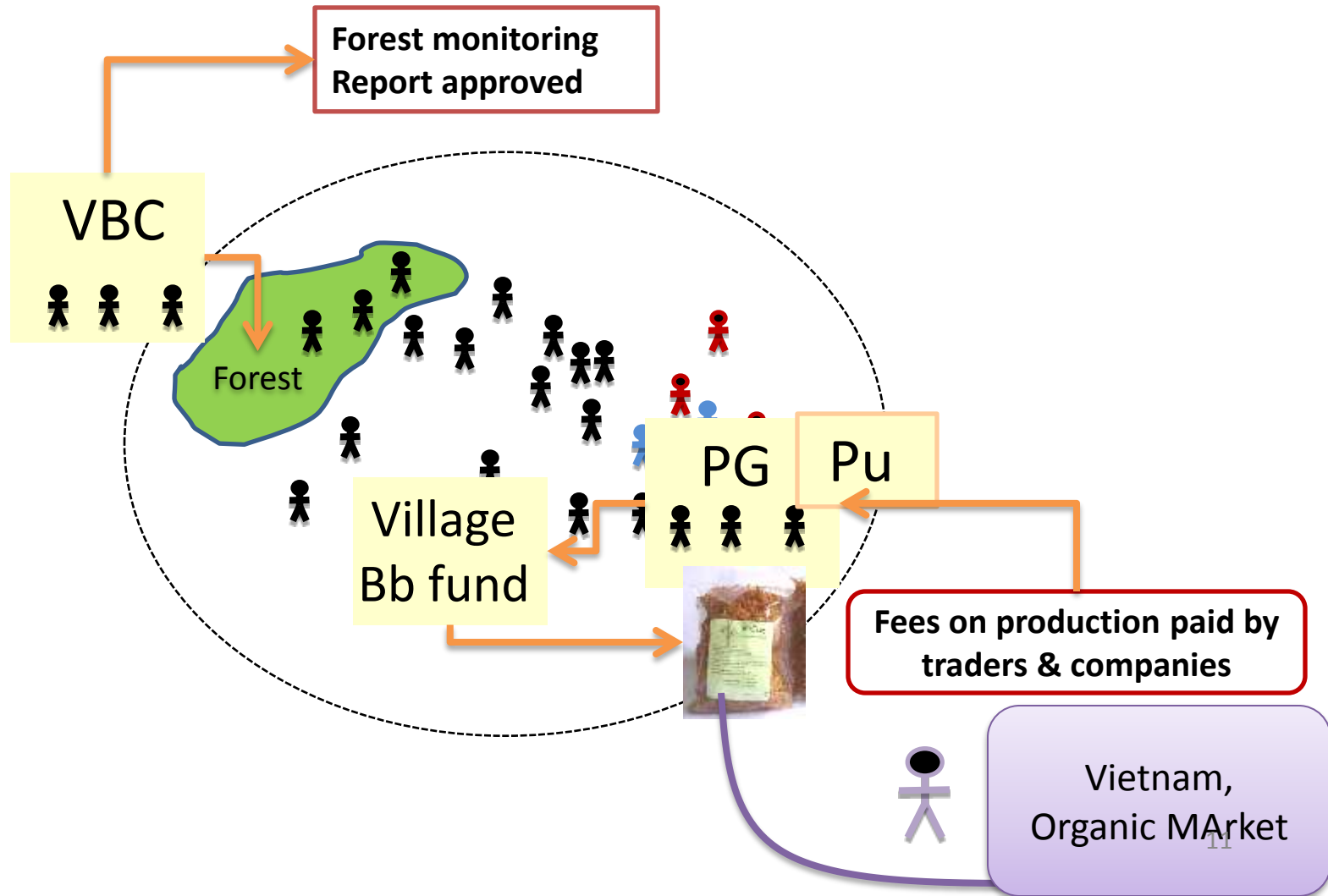
2010

2011

2012

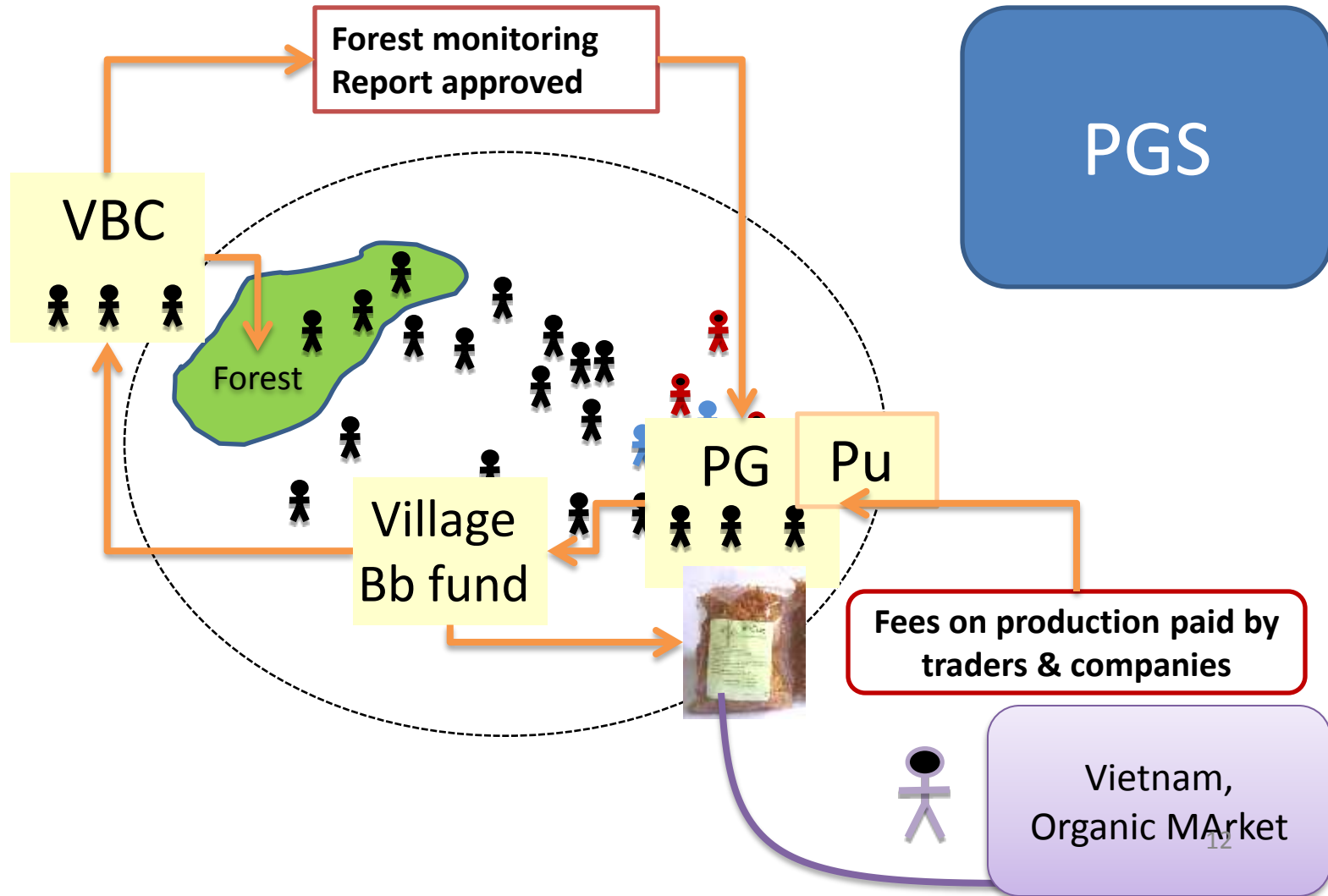
2013

2014





Natural Resource management and sustainable trade





PGS on Hok dried Bamboo Shoots

- There is a need :
 - On quality recognition
 - Accessing to a new and profitable market.
(Vietnamese Organic / PGS shops)



III. PGS, ADVANTAGES FOR THE VALUE CHAIN DEVELOPMENT

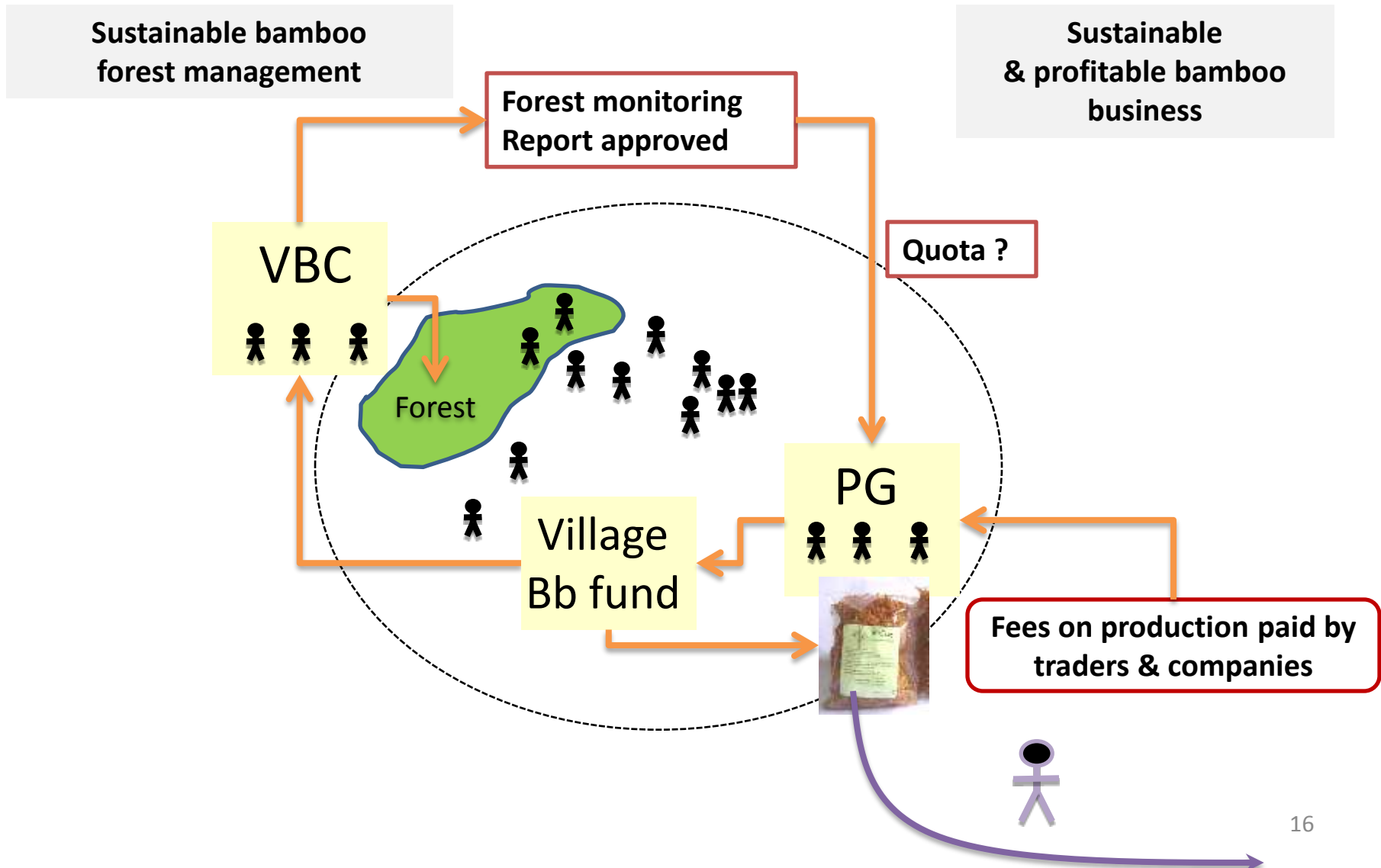


PGS on Hok dried Bamboo Shoots

- All already set up for PGS requirement;
 - Learning process approach engaged
 - Enabling environment:
 - Forest Monitoring ensuring sustainable and organic product issued from Natural forest
 - PG and PU organised (internal governance, contract negotiation) insuring **a quality product and a market**
 - Business model
- 2015 Start collaboration with DoA, IFOAM for PGS experimentation in Lao PDR



Natural Resource management and sustainable trade





Ensuring a sustainable and equitable trade

Chinese Processing units: log wood dried **low quality** shoots produced by Company using Sulfur.

Grade B: sun dried **regular quality** slices of hok shoots produced by villagers at household level.

Grade A1: sun dried **good quality** slices of hok shoots also produced at the household level

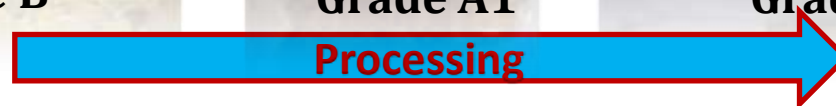
Grade A2: oven dried **top quality** half hok shoots produced in processing units. Villagers harvest fresh shoots and sell to the PU to process.



Grade B

Grade A1

Grade A2



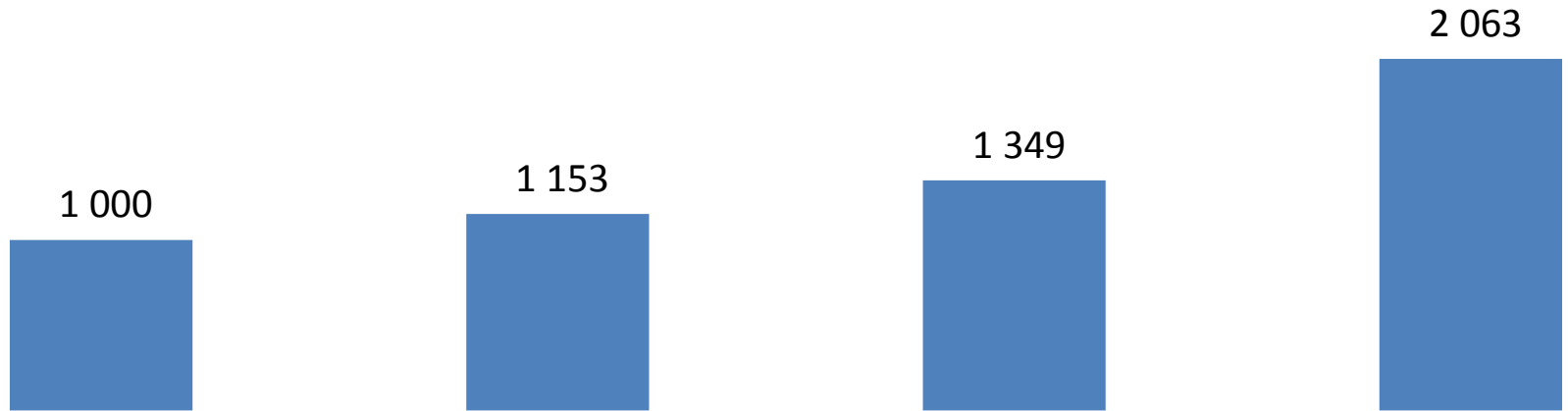
Organic
certification

PGS certification



Ensuring a sustainable and equitable trade

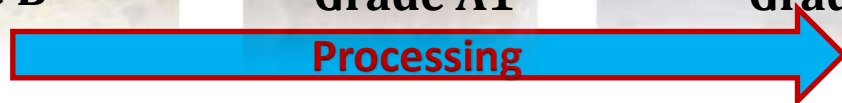
KIP to the village in kg equivalent FRESH



Grade B

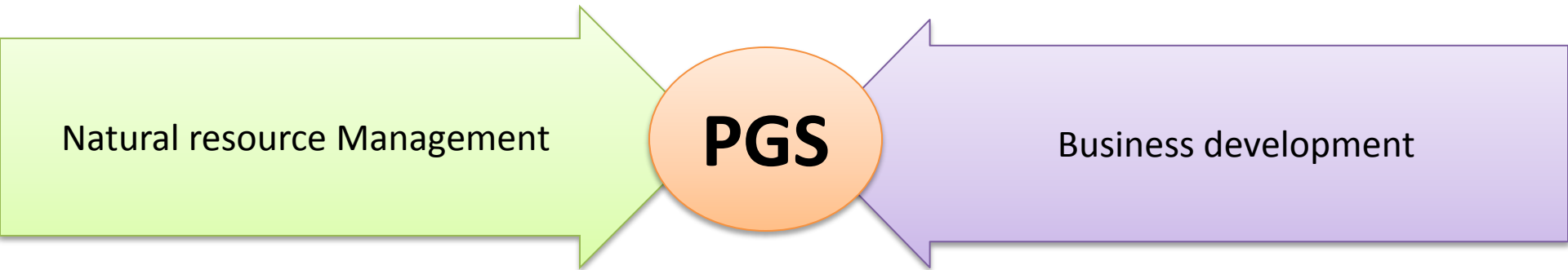
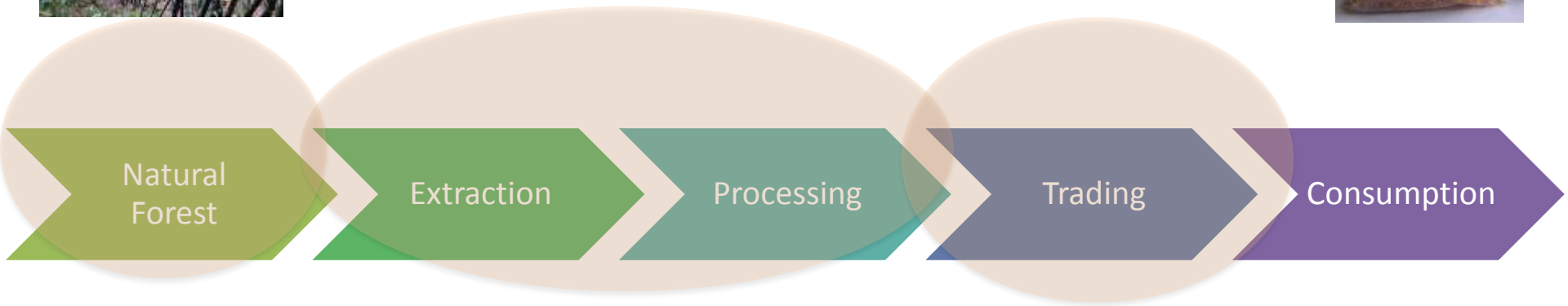
Grade A1

Grade A2



Organic certification

PGS certification





Sara MelkiProject Coordinator

melki@gret.org

www.gret.org



The Business development

Quality improvement through processing skills and quality control



Villagers harvest fresh shoots and sell to PU



PU members cut, wash then slice in half shoots before boiling



Shoots are then boiled and then pressed in bag to remove water



When shoots are dried, they are packaged and sealed with label



PU member regularly check for dryness and quality while in oven



Shoots are loaded into ovens₂₁