

ODA – UNESCO Project

Promotion of Energy Science Education for Sustainable Development in Laos

IMPROVED COOKING STOVE

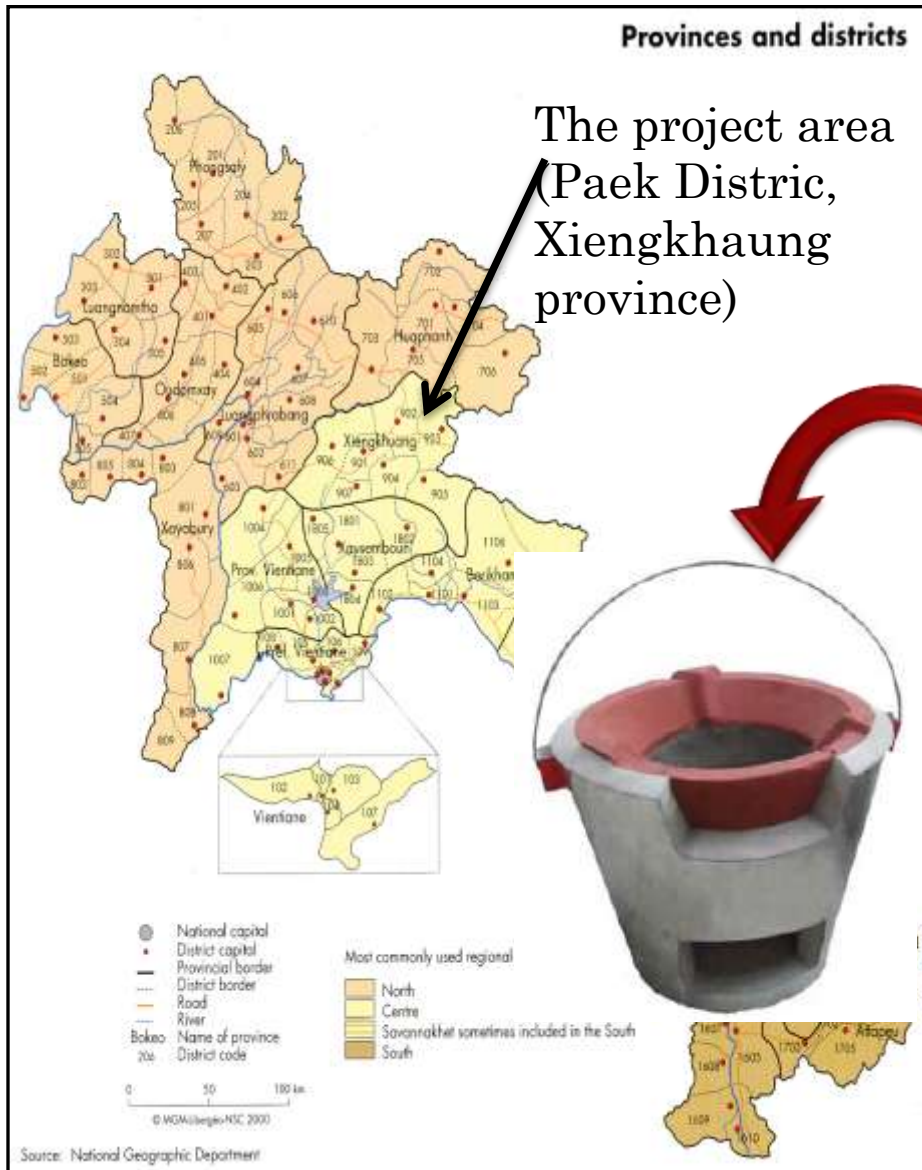
(PAEK DISTRICT, XIENGKHAUNG PROVINCE)

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Renewable Energy and New Material (REMI)**

INTRODUCTION

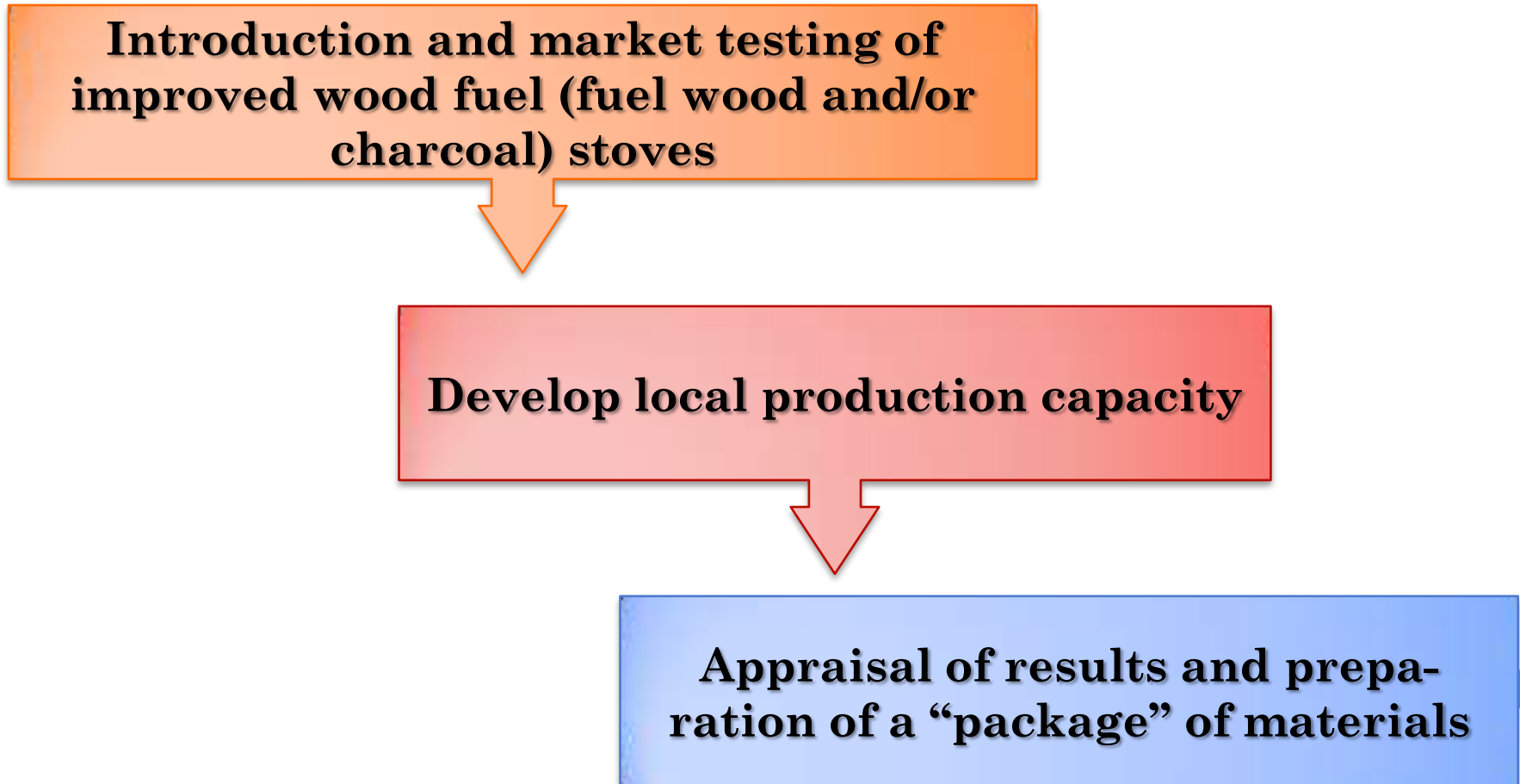
A variety of stoves are being used, ranging from the very traditional “3 stone” stove, iron tripods to the traditional wood fuel stove



OBJECTIVES AND APPROACHES

- To promote the use of improved high(er) efficiency wood fuel stoves:
- Develop information packages to support replication of improved wood fuel stove production and dissemination

Introduction and market testing of improved wood fuel (fuel wood and/or charcoal) stoves

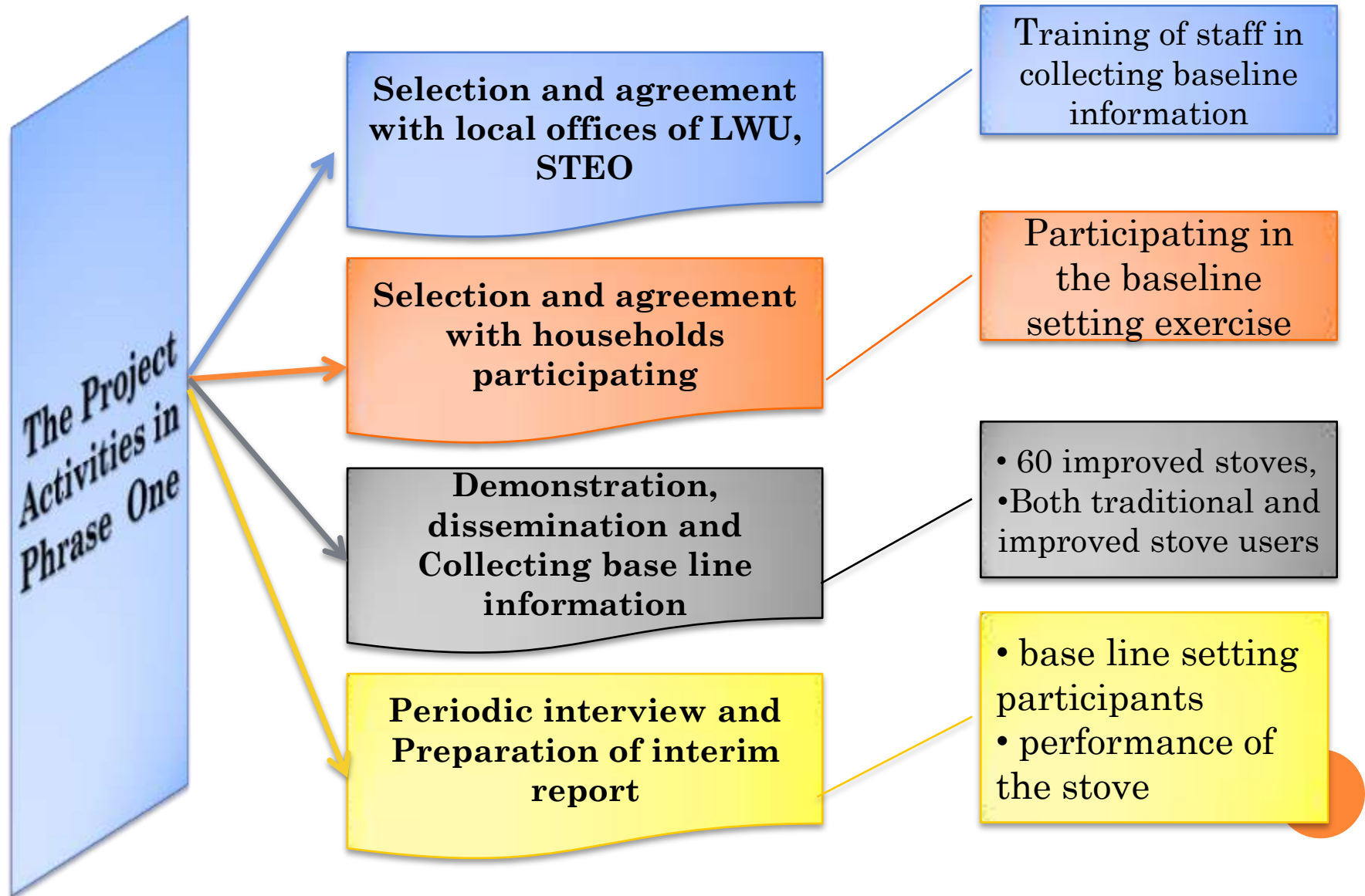


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graph TD; A[Introduction and market testing of improved wood fuel (fuel wood and/or charcoal) stoves] --> B[Develop local production capacity]; B --> C[Appraisal of results and preparation of a "package" of materials];
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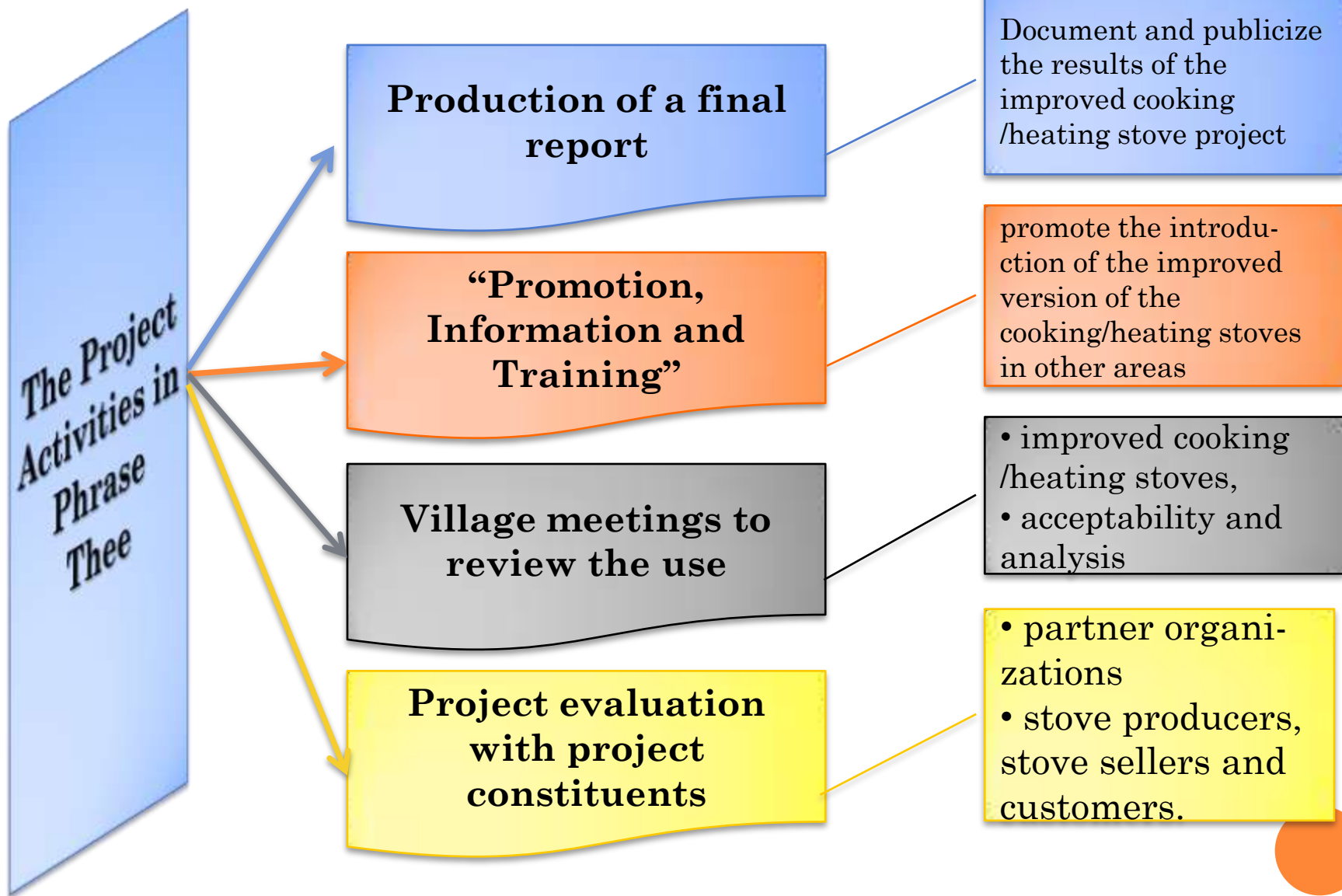
Develop local production capacity

Appraisal of results and preparation of a “package” of materials

THE PROJECT ACTIVITIES







THE PROJECT ACHIEVEMENTS

- Activities and achievement during Phase/Step 1
 - *Select and agreement with local officer of LWU, STEO, etc and training of staff in collecting baseline information.*
 - *Selection and agreement with households participating in the baseline setting exercise.*



- Activities and achievement during Phase/Step 1
 - *Demonstration and dissemination of 60 improved stove*



← Two designs of Improved Wood Stove



**Dissemination
Workshop to introduce
improved wood stove
Paek district
administration office**



- **Activities and achievement during Phase/Step 1**
 - **Collecting baseline information from both traditional and improved stove users in terms of fuel use**

- In Phouhumh village using the tripod iron around 70% rest 30% is tradition charcoal stove



- Phonsavanh and Syphonexay village used traditional charcoal stove 90% of chare with tripod iron

- Firewood consumption was 6-18 m³ per year



Traditional charcoal stove that which has wide space rim and front rim has large space which wood stick



Wood Stoves used in selected villages

THE PROJECT ACHIEVEMENTS

○ Activities and achievement during Phase/step 2

- *Develop partnerships with local administration organizations, the local provincial and district branch of the Lao Women's Union, STEO, etc*
 - To build up knowledge and understanding to local partners on improved cook stove in term of technical principal of stove and its benefits such as fuel saving, cooking time and emission reduction and so on
- *Select potential stove producer*
 - Five trainees were selected to train producing improved wood stove in Vientiane capital.
- *Provide (re)training and technical backstopping to the trainees*
 - The training was emphasized on practical work, which started with briefly instruction of stove production process





○ Activities and achievement during Phase/step 2

- *Develop promotional materials*

- There are three promotional materials were produced for promotion of using and commercialization of improved wood stove namely poster, brochure (handouts) and video media.



○ Activities and achievement during Phase/step 2

• *Promotional campaign*



During three public dissemination events, over 600 people are visited the event and got information, 127 improved wood stove had been sold in campaign evens via PDWU during promotional campaign.

• *Quality control mechanism*

TRI and STEO are responded to quality control of improved wood stove production and develop /adapt stove to feed the need of local condition up on feedback from stove users.

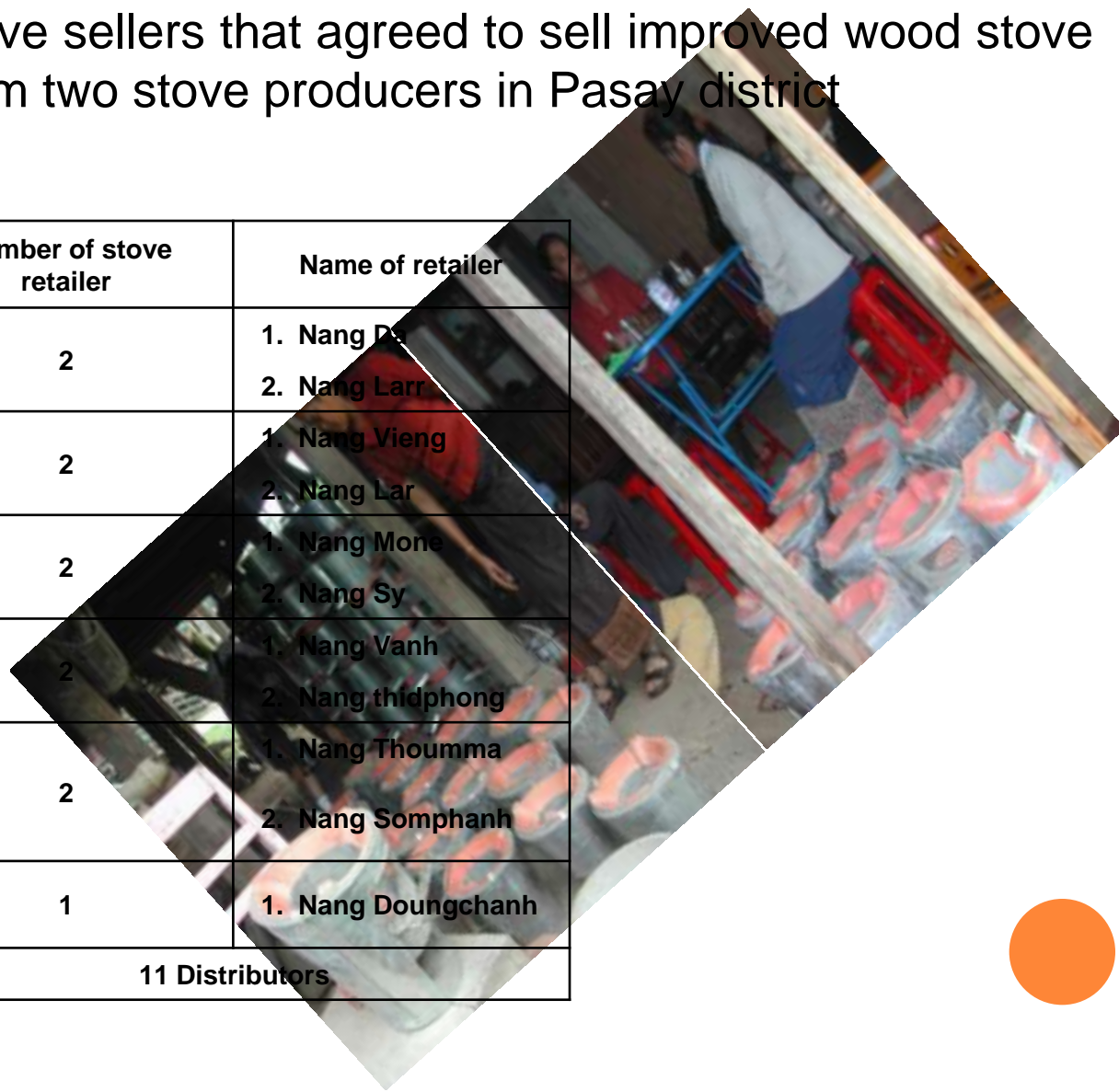


○ Activities and achievement during Phase/step 2

- *Commercial aspects of the stove program*

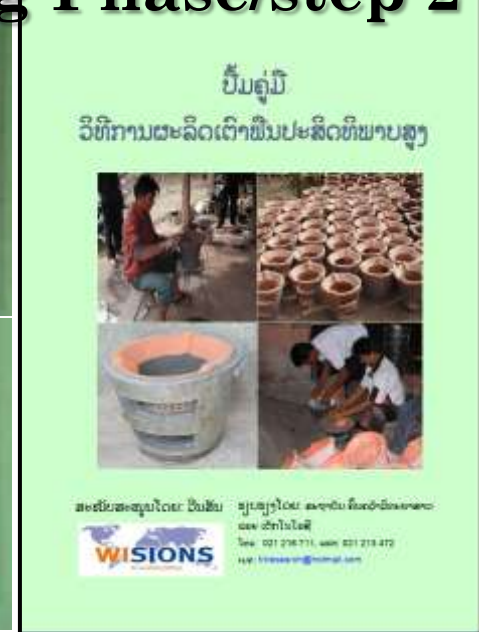
- Potential stove sellers that agreed to sell improved wood stove produced from two stove producers in Pasay district

No.	Zone	Number of stove retailer	Name of retailer
1	NONG	2	1. Nang Da 2. Nang Larr
2	PHAN (LAT KHOY)	2	1. Nang Vieng 2. Nang Lar
3	LAT BOURG	2	1. Nang Mone 2. Nang Sy
4	KHANG VIENG	2	1. Nang Vanh 2. Nang thidphong
5	LAT HUANG	2	1. Nang Thoumma 2. Nang Somphanh
6	THONG HAY	1	1. Nang DOUNGCHANH
TOTAL		11 Distributors	



Activities and achievement during Phase/step 2

- Promotion of a comprehensive set up of Promotion, Information and Training materials.



- Village meetings to review the use of improved cooking/heating stoves and its acceptability and analysis of the village questionnaires



○ Activities and achievement during Phase/step 2

- *Project evaluation with project constituents including partner organizations, stove producers, stove sellers and customers*



○ Activities and achievement during Phase/step 3

- *The detail of expense in each phase presented financial report*
- *The financial report consists of the report of expensed during phase 3 and summary of expensed of all phases.*

CONCLUSION

- **Achieved** the goal and **created** a lot of benefits to local people
- The target of the project was expected that the amount of **3,000** IWS will be used in project area, as the end of September 2008 there were **2,853** stoves used include **60** stoves for demonstration.
- Market of IWS is continue grow and number of users **significantly increase**

LESSON LEARN

- The cooperation and strong support from **local governors** and **village committees**
- The project **created ability** to local stakeholders
- Both men and women are **benefit**



Thank
you

