Linking Agriculture, Natural Resource Management and Nutrition

Experiences from Lao PDR
OBJECTIVE OF LANN

Improving knowledge and practices related to food consumption and nutrition (focus on training for women)

Photos: Jutta Krahn
WHERE DOES WELTHUNGERHILFE APPLY LANN?

- **Laos**
  - Start 2009 (results will be presented)

- **Cambodia**
  - since 2010

- **Myanmar**
- **Sri Lanka**
  - Currently undergoing an adaptation process & location-specific implementation in respective contexts of Welthungerhilfe’s programs in Cambodia, Sri Lanka & Myanmar
4 PILLARS OF LANN

• Linkage between agriculture and nutrition

• Linkage between NRM and nutrition

• Linkage between income generation/markets and nutrition

• Linkage between Food consumption and nutrition
## RESULTS FOR AGRICULTURE

### 1. Increased availability of rice (staple)
Xay District, Oudomxay province, 2011

<table>
<thead>
<tr>
<th>Support for rice cultivation</th>
<th>Families involved</th>
<th>Villages involved</th>
<th>Surface (ha)</th>
<th>Estimated yield (T/ha)</th>
<th>Additional paddy rice production (T/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Micro-irrigation schemes</td>
<td>150</td>
<td>14</td>
<td>70</td>
<td>4.5 (previously 2.5)*</td>
<td>140</td>
</tr>
<tr>
<td>Second culture in dry season</td>
<td>50</td>
<td>9</td>
<td>17</td>
<td>4.5 (previously none)</td>
<td>76.5</td>
</tr>
<tr>
<td>Other fields under SRI (=System of Rice Intensification)</td>
<td>223</td>
<td>16</td>
<td>71</td>
<td>4.5 (previously 2.5)</td>
<td>142</td>
</tr>
<tr>
<td>Lowland paddy field expansion</td>
<td>303</td>
<td>16</td>
<td>30.55</td>
<td>4.5 (previously none)</td>
<td>135</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>16</td>
<td></td>
<td><strong>493.5</strong></td>
</tr>
</tbody>
</table>
RESULTS FOR AGRICULTURE

2. Increased vegetable diversity

Phounmakmee village Nong district, Savannakhet province

Chinese cabbage
Tomato
Cilantro
Lettuce
Long bean
Onion
Home gardens of women groups & school gardens
Phoumakmee village, Nong district, Savannakhet province

Example: Behavior change
• For the first time in their life, 33 women set up together a home garden.
• Availability of food variety and save a lot of time to go and collect food in the forest
• WHH together with DVV built CLC and operate NFE classes (REFLECT method)
• CLC becomes a farmers’ school (for farmers in the village and outsiders)

Monkong ethnic
RESULTS FOR NATURAL RESOURCE MANAGEMENT

Xay district, Oudomxay province

Non-Timber Forest Products

- Reduction of forest areas for many reasons
- Seasonal wild vegetable
- For family consumption & small income
- Village conservation & village use forest

Bamboo shoots  Bitter gourd  Mushrooms  Edible bracken  Wild taro  Rattan
Cooking demonstrations

Mixe more nutritious ingredients into rice (nuts, meat, vegetables), Xay district Oudomxay province
LAOS: RESULTS ON WISE SPENDING

Village roll out:
Spend money on more important items

• Sweets
• MSG (glutamat)
FOOD CONSUMPTION AND NUTRITION

Improved food availability and access:
• More and more different food items produced
• More different food items collected from forests

Improved Food consumption:
• Higher Diet Diversity => better and healthier diets
• Better nutrient provision => better health

Improved Caring practices:
• Better cooking practices
• Reduced Food taboos (2 weeks after giving birth: eat no meat, only ginger, galangal, salt and rice)
• Improved diets for pregnant women & lactating women (eat more lever, egg, vegetables which are more iron content and etc.)
LANN becomes an important issue for GOL

WHH works together with:

- Provincial and District Agriculture and Forestry Office (PAFO + DAFO)
- Provincial and District Lao Women's Union (PLWU + DLWU)
- Provincial and District Health Office (PHO + DHO)
- Provincial and District Education Office (PEO + DEO)

Government concerned departments appoints their staff to work with WHH project and put LANN as sectors plan
LANN
Linking Agriculture, Natural Resource Management & Nutrition

Good health

Reaping benefits of education

Good nutrition

Moving out of poverty

Productive agriculture

Managing natural resources

Thank you!