Capacity Building through the project training programme for district extension staff, students and target farmers

By
Dr. Syseng Khounsy and ACIAR research team
Final Workshop, Vientiane, 24-25 July, 2012

Outline
- Background
- Capacity building programmes
  - Livestock extension staff
  - Students
  - Targeting farmers
- Discussion and recommendations

Background
Agriculture sector is very important:
- 70 % of the population participate in the agriculture and livestock production.
- contributing about 33% of national GDP and
- Livestock production contributes about 15% of agricultural GDP.

Background
The main constraints of large ruminant production is stemmed from:
- Disease outbreaks (FMD & HS)
- Feed deficiency
- Low capacity building (Farmers, District extension staff)
Therefore, one of the project’s goal is aiming for improving local capacity for the stakeholders involving with the project (district extension staff, traders and farmers) through

- Participatory applied research (disease investigation and data collection)
- Formal training program on large ruminant health and production
- Group meeting and discussion

<table>
<thead>
<tr>
<th>Workshop Name</th>
<th>Topics</th>
<th>Location</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Initial Staff training</td>
<td>Project background, large ruminant animal health</td>
<td>LPB</td>
<td>September 2008</td>
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<tr>
<td>Animal health</td>
<td>Diseases, epidemiology, outbreak investigation, sample collection</td>
<td>LPB</td>
<td>6-7 Feb, 2009</td>
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<tr>
<td>Nutrition</td>
<td>Forage establishment, quality and quantity assessment, body condition scoring, feed requirements</td>
<td>LPB</td>
<td>6-8 April, 2009</td>
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<tr>
<td>Biosecurity</td>
<td>Disease risk assessment and management,</td>
<td>LPB</td>
<td>21-22 July, 2009</td>
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<tr>
<td>Reproduction</td>
<td>Reproduction physiology, breeding soundness examination, reproduction management</td>
<td>LPB</td>
<td>16-18 Mar, 2010</td>
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<tr>
<td>Nutrition &amp; Marketing</td>
<td>Forage conservation, large ruminant nutrition physiology, value assessment of ruminants for different markets, reproduction &amp; marketing interventions</td>
<td>XK</td>
<td>15-17 June, 2010</td>
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<td>Extension Methodology and village-level biosecurity</td>
<td>Development of extension strategies from all topics covered in previous workshops</td>
<td>LPB</td>
<td>6-8 December 2010</td>
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Training for Farmers

- On job training through participatory applied research had been conducted since the project started
- 2 days formal training program on large ruminant has been implemented between 2011 and 12 covering
  - Important disease (FMD, HS, toxocara & liverfluke)
  - Basic biosecurity
  - Nutrition & silage making
- Farmers cross visits (between and other project’s areas)
Training for Farmers (cont)

• 7 Crawford Fund ‘Train the trainer’ workshops

Village-level Biosecurity Program:
- risk assessment (priority disease: FMD and HS)
- movement controls
- quarantine of introductions (For two weeks)
- prophylaxis:
  - vaccination (FMD and HS)
  - minimise contacts
- traders;
  - cleaning/disinfection (Traders meeting had been conducted)
- surveillance & reporting: VVW’s and district staff monthly
- public awareness via posters (FMD, HS, TV)

Capacity building for students

• Lao students
  – 4th year vet (NOUL): 26
  – 5th year Animal Science (NOUL): 36
  – 3rd year ag college (NAFC): 35

• Australian students from USYD
  – PhD : 2
  – Honours: 5
  – Rotation rural practice: 11

Capacity building for students (cont)

<table>
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<tr>
<th>Workshop Name</th>
<th>Participation</th>
<th>Location</th>
<th>Date</th>
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<td>Large ruminant health 1</td>
<td>NOUL 4th year vet students 26 NAFC: 3rd year students 34</td>
<td>VTE LPB</td>
<td>Sept 2011 Sept 2011</td>
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<td>Large ruminant health 2</td>
<td>NOUL 4th year vet students 26 NOUL: 5th year animal sci students 35</td>
<td>VTE VTE</td>
<td>Nov 2011 Nov 2011</td>
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<td>Nutrition</td>
<td>NOUL:4th year vet students 26 NAFC: 3rd year students 34</td>
<td>VTE LPB</td>
<td>Feb 2012</td>
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<tr>
<td>Reproduction</td>
<td>NOUL 4th year vet students 26 NAFC: 2nd year students 34</td>
<td>VTE LPB</td>
<td>May 2012</td>
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Acknowledgements

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- Prof. Peter Windsor (Supervisor & Project leader)
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