



**Environmental Animal Health Management Initiative for Enhanced Smallholder  
Production in Cambodia, Lao PDR, Myanmar, the Philippines and Vietnam  
(GCP/RAS/244/ITA)**

**Report on  
EAHMI Cambodia and Lao PDR  
Reporting Indicators Meeting and  
National Focal Points Meeting**



Bangkok, Thailand

12 – 14 March 2013

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## 1. Summary

The EAHMI project is an institutional strengthening and capacity building project that promotes a regional, interdisciplinary holistic approach to animal health management for enhanced, environmentally friendly forms of livestock production. The EAHMI project was first implemented in the Philippines in 2006 and has since expanded to include other countries like Cambodia, Lao PDR, Myanmar and Vietnam.

With the Project's third phase nearing completion, a meeting of all National Focal Points and relevant staff were convened to discuss the activities for completion, the timelines required to complete the activities and plans for the consolidation of all results as the project comes to a close this year. Also, a preliminary meeting regarding the piloting of standard reporting forms in Cambodia and Lao PDR was conducted to assess the status and progress as well as plan for the implementation strategies to ensure its sustainability after the project completion.

The preliminary meeting was held on 12 March 2013 at the FAORAP Conference Room, Bangkok Thailand. Both piloting of standard reporting forms in Cambodia and Lao PDR have faced challenges mainly on the report submission from the partner provinces, incomplete information from the report forms which could be attributed to lack of capacity of district and provincial staff to use GPS device, insufficient data collection in the field due to multitasking of staff and inaccessibility of some districts with no operational budget for long travels as well as unfamiliarity with the standard forms. EAHMI Cambodia and Lao PDR have agreed to continue the piloting in which their respective departments already recognized the usefulness of standard information that can be computerized.

The two-day NFP meeting was held on 13-14 March 2013 at FAORAP, Bangkok, Thailand. The country reports from Cambodia, Lao PDR, Myanmar, Philippines and Vietnam were presented by the National Focal Points. The country reports focused on staffing complement of the EAHMI project offices, status and expected date of completion of the workplan activities and the proposed solutions to the challenges/constraints, and plans for integrating EAHMI into the national veterinary services planning and implementation.

The five member countries have committed to maintain activities that will sustain the achievements of the projects. These include: maintenance of the EAHMI website, continue to share data to the subregional database, continue to implement GIS/GPS applications, and support to the secondment programme. Also each member country had implemented measures to integrate EAHM strategies into their national veterinary services such as:

- Maintenance of national EAHMI offices with the human resource and organizational structure with the Department/Ministry and provision for budget.
- EAHMI Philippines will adopt PhilAHIS as a national reporting system that will be linked in the Bureau of Animal Industry's overall Information Management System (IMS) and Animal Health Information Communication (AHIC).
- Building of institutional and human resources capacity at the national veterinary services and provincial/district level on GIS/GPS applications.
- Establishment of national, geo-referenced database of animal diseases and livestock resources linked to GIS.

- Formulation of National Disease Control and Management Strategy (such as for Surra, Fasciolosis) based on results of commissioned studies.
- Development of National Livestock Development Strategy, Policy and Planning based on results of commissioned studies and publication of atlas on farm animal resources.
- Development of Policy and Regulations on Animal Production and Health such as for culled animal disposal, duck market operations and management based on results of commissioned studies.
- Collaboration with other regional livestock projects, such as Korean FMD Project, ADB, NRSLLD, Telefood Project and ECTAD HPAI Project.
- Close collaboration with other government offices, institutions, academe, NGOs to ensure access to detailed, up to date and reliable data available on livestock production and health.
- Standardization of animal health and production reporting data in Cambodia and Lao PDR
- Development of Animal Production and Health Information System for Cambodia and Lao PDR.

Various discussions were also made on the EAHMI participation and preparations in the forthcoming ASWGL meeting in May 2013 in Manila, Philippines; the Gender and Livestock Training Workshop in June 2013 and the EAHMI Project Closing/Dissemination Workshop in September 2013. It was also agreed that posters, papers and presentations in the identified topics will be prepared for the above-mentioned activities.

## **2. Background**

The EAHMI project is an institutional strengthening and capacity building project that promotes a regional, interdisciplinary holistic approach to animal health management for enhanced, environmentally friendly forms of livestock production. The EAHMI project was first implemented in the Philippines in 2006 and has since expanded to include other countries like Cambodia, Lao PDR, Myanmar and Vietnam.

Now nearing the completion of its third phase, a meeting of all National Focal Points and relevant staff were convened to discuss the activities for completion, the timelines required to complete the activities and plans for the consolidation of all results as the project comes to a close this year.

Before the NFPs meeting, a preliminary meeting was held with EAHMI Cambodia and Lao PDR on the Reporting Indicators to determine the status of the piloting of standard forms and to agree on the way forward.

## **3. Preliminary Meeting of EAHMI Cambodia and Lao PDR on Reporting Indicators**

The preliminary meeting of EAHMI Cambodia and Lao PDR on the Reporting Indicators was held on 12 March 2013 at the FAO-RAP Conference Room 207 in Bangkok, Thailand. The meeting was organized to assess the status and outcome of the pilot program on standardized reporting forms being undertaken by the Cambodia and Lao PDR and discuss the next steps in the implementation of the standard reporting forms.

Lead Technical Officer Dr. Carolyn Benigno presided during the meeting and discussed the meeting objectives. Dr. Imelda Santos and Mr. Rafael Umbrero presented the Work Agreements and Highlights of the Cambodia Assessment Workshop and Lao PDR Reporting Indicators Workshop conducted in September 2012 and October 2012, respectively.

Dr. Sar Chetra and Chun Vireak of EAHMI Cambodia presented the status of piloting of the five standard reporting forms namely; Animal Quarantine Movement, Disease Outbreak Investigation, Farm Profile, Slaughtered Animals, and Animal Vaccination in the seven partner provinces of Banteay Meanchey, Battambang, Kampong Cham, Preah Sihanouk, Pursat, Svay Rieng, and Takeo. The first pilot program was implemented on 15 June to 15 September 2012 and the second pilot program on 1 December 2012 to 28 February 2013.

Meanwhile, Dr. Settha Sinthasak presented the status of the pilot program of the four standard reporting forms on Farm Profile focusing on pigs, Animal Movement, Animal Health Monitoring and Meat Consumption in the three provinces of Vientiane Capital, Salavan and Xayabouly conducted on 1 December 2012 to 28 February 2013.

Both piloting of standard reporting forms in Cambodia and Lao PDR had experienced constraints such as late submission of reports, incomplete information on the standard reporting forms, lack of capacity of

district and provincial staff to use GPS device, insufficient data collection in the field due to multitasking of staff and inaccessibility of some districts with no operational budget for long travels.

The NFPs of EAHMI Cambodia and Lao PDR expressed that their government counterparts have already realized the importance of the key indicators for standard reporting forms in which comprehensive data can be gathered and computerized.

Furthermore, it was agreed that the piloting will continue until May 2013 and the NFPs will closely coordinate with the provinces to ensure report submission. The NFPs will conduct re-orientation in accomplishing the forms and the pilot standardized reporting forms can be expanded in other provinces later. The data collected during the piloting will be summarized and analyzed to demonstrate the usefulness and importance of the standard reporting forms to the Department of Animal Production and Health (Cambodia) and Department of Livestock and Fisheries (Lao PDR). Posters will be prepared on the reporting indicators for the EAHMI project Booth display during the ASWGL meeting in Manila on May 2013. Likewise, a full paper will be subsequently developed for presentation during the EAHMI Dissemination Workshop in September 2013.

#### **4. National Focal Points Meeting**

With the nearing completion of the third phase of the EAHMI project, all the National Focal Points and relevant staff from Cambodia, Lao PDR, Myanmar, Philippines, and Vietnam were convened on 13 – 14 March 2013 at FAORAP Conference Room, Bangkok, Thailand to discuss the activities for completion, the timelines required to complete the activities and plans for consolidation of all results.

The EAHMI Project progress and achievements were presented by the RFP and RGISM which discussed the highlights of the February 2012 Tripartite Review Meeting, the institutional strengthening and GIS/GPS/MS Excel capacity building activities that have been implemented in the EAHMI member countries. The implementation progress of the Philippine Animal Health Information System (PhilAHIS) was shown and will be used as template for the pilot program on standardized reporting forms in Cambodia and Lao PDR. The status of the commissioned studies carried out by partner organizations and agencies in the member countries as well as the secondment programme that is currently being handled in the EAHMI Regional Base/Philippines were also reported.

The country reports from Cambodia, Lao PDR, Myanmar, Philippines and Vietnam were presented by the National Focal Points. The country reports focused on staffing complement of the EAHMI project offices, status and expected date of completion of the workplan activities and the proposed solutions to the challenges/constraints, and plans for integrating EAHMI into the national veterinary services planning and implementation.

The five EAHMI members also indicated their plans on integrating environmental animal health management into their respective national veterinary services that will sustain the achievements of the project. These are:

- Maintenance of national EAHMI offices with the human resource and organizational structure with the Department/Ministry and provision for budget.
- EAHMI Regional base will continue its support for the secondment programme.

- EAHMI Philippines will adopt PhilAHIS as a national reporting system that will be linked in the Bureau of Animal Industry's overall Information Management System (IMS) and Animal Health Information Communication (AHIC).
- Building of institutional and human resources capacity at the national veterinary services and provincial/district level on GIS/GPS applications.
- Establishment of national, geo-referenced database of animal diseases and livestock resources linked to GIS.
- Other EAHM strategies that can be streamlined in the national veterinary services planning and implementation that include:
  - GIS/GPS applications for routine disease monitoring and surveillance activities.
  - GIS/GPS applications utilized for mapping vaccination program, disease incidence reports, and establishment of disease free zones such as FMD, rabies and HPAI.
  - Mapping of native animal genetic resources for conservation of native animal species.
- Formulation of National Disease Control and Management Strategy (such as for Surra, Fasciolosis) based on results of commissioned studies.
- Development of National Livestock Development Strategy, Policy and Planning based on results of commissioned studies and publication of atlas on farm animal resources.
- Development of Policy and Regulations on Animal Production and Health such as for culled animal disposal, duck market operations and management based on results of commissioned studies.
- Collaboration with other regional livestock projects, such as Korean FMD Project, ADB, NRSLLD, Telefood Project and ECTAD HPAI Project.
- Close collaboration with other government offices, institutions, academe, NGOs to ensure access to detailed, up to date and reliable data available on livestock production and health.
- Standardization of animal health and production reporting data in Cambodia and Lao PDR
- Development of Animal Production and Health Information System for Cambodia and Lao PDR.

With the project ending this year, discussions on the sustainability plans were made on the activities that can be maintained by each EAHMI member country which also sustain the project gains. The EAHMI Regional base/Philippines has committed to implement the following activities:

- Maintenance of the EAHMI website
- GIS capacity building support (through FAO assistance)
- Networking with the project partners
- Provide support for the secondment programme
- Maintain the project's subregional database
- Demonstrate applications of the Philippine Animal Health Information System (PhilAHIS)

On the other hand, Cambodia and Lao PDR have committed to maintain activities such as:

- Continue the implementation of standardized reporting indicators on animal health and production
- Share data to the subregional database
- Maintenance of Department of Animal Production and Health website by Cambodia

Myanmar and Vietnam also committed to implement the activities which are:

- GIS applications on animal health
- Share data to the subregional database.

The budget allocations were presented by the LTO and the Secretariat Support Consultant. The National Focal Points were requested to review the budget allocations and to submit a revised allocation based on the pending activities per country.

The LTO also facilitated the discussions for the EAHMI participation in the forthcoming ASWGL meeting in May 2013 in Manila, Philippines; the Gender and Livestock Training Workshop in June 2013 and the EAHMI Project Closing/Dissemination Workshop in September 2013.



## Annex 1a. Agenda of the Meeting of EAHMI Cambodia and Lao PDR on Reporting Indicators



Environmental Animal Health Management Initiative for Enhanced Smallholder Production in  
Cambodia, Lao PDR, Myanmar, the Philippines and Vietnam  
(GCP/RAS/244/ITA)

### Meeting of EAHMI Cambodia and Lao PDR on Reporting Indicators Bangkok, Thailand 12 March 2013

| Time          | Activities   | Responsible Person  |
|---------------|--|---|
| 830 – 845     | Registration   | Grace Balingit<br>C. Uawongkun  |
| 845 – 930     | Brief Opening/Group Photo  |   |
| 930-945       | Briefing on Meeting Objectives   | Carolyn Benigno   |
| 945 – 1015    | Work Agreements and Highlights of the Reports on Cambodia Assessment Workshop (Sep 2012) and Lao PDR Reporting Indicators Workshop (Oct 2012)  | Imelda Santos<br>Rafael Umbrero   |
| 1015 – 1045   | Coffee Break   |   |
| 1045 AM -1115 | Cambodia Summary Report on Accomplishments/Constraints with the 2 <sup>nd</sup> Pilot Program on Standardized Reporting Forms on areas of timely submission, accuracy of information, completeness of information entered in the forms, use of all forms | Sar Chetra<br>Virak Chun  |
| 1115 – 1145   | Lao PDR Summary Report on Accomplishments/Constraints with the Pilot Program on Standardized Reporting Forms   | Settha Sinthasak  |
| 1145 – 1230   | Discussion on Issues with the Pilot Program  |   |
| 1230 – 1330   | Lunch Break  |   |
| 1330 – 1430   | Work Agreements, Summary and Conclusions   | Carolyn Benigno<br>Imelda Santos<br>David Bourn<br>Sar Chetra<br>Settha Sinthasak |
| 1430 – 1500   | Closing, End of Meeting  |   |
| 1500          | Coffee Break   |   |

## Annex 1b. Agenda for National Focal Points Meeting



Environmental Animal Health Management Initiative for Enhanced Smallholder  
Production in Cambodia, Lao PDR, Myanmar, the Philippines and Vietnam  
(GCP/RAS/244/ITA)

### AGENDA FOR NATIONAL FOCAL POINTS MEETING

Bangkok, Thailand

13-14 March 2013

| Time                 | Activity/Presentation                                       | Presenter                           |
|----------------------|---|-------------------------------------|
| <b>13 March 2013</b> |   |                                     |
| 0830 - 0845          | Registration  | Grace Balingit<br>Chanrit Uawongkun |
| 0845 -0930           | Brief Opening/ Group Photo                                  |                                     |
| 0930 - 0945          | Briefing on Meeting Objectives                              | Carolyn Benigno                     |
| 0945 - 1000          | Project Report  | Imelda Santos<br>Rafael Umbrero     |
| 1000 - 1030          | Coffee/Tea Break  |                                     |
| 1030 - 1100          | Country Project Activity Update (Cambodia)                  | Sar Chetra                          |
| 1100-1130            | Country Project Activity Update (Lao PDR)                   | Settha Sinthasak                    |
| 1130 -1200           | Country Project Activity Update (Myanmar)                   | Okkar Soe                           |
| 1200 - 1300          | Lunch Break   |                                     |
| 1300 -1330           | Country Project Activity Update (Philippines)               | Rubina Cresencio                    |
| 1330 - 1400          | Country Project Activity Update (Vietnam)                   | Pham Hien                           |
| 1400 - 1430          | Budget allocations  | CBenigno<br>CUawongkun              |
| 1430 -1500           | Plans for the ASWGL   | CBenigno                            |
| 1500 - 1530          | Coffee/Tea Break  |                                     |
| 1530 -1600           | Plans for the ASWGL   | CBenigno                            |
| 1600                 | End of Day 1  |                                     |
| <b>14 March 2013</b> |   |                                     |
| 0900 - 1000          | Work plan presentation                                      | CBenigno                            |
| 1000 -1030           | Coffee/Tea Break  |                                     |
| 1030- 1200           | Agreements on work plan implementation,<br>Closing Workshop |                                     |
| 1200 - 1215          | Closing, End of the Meeting                                 |                                     |
| 1215                 | Lunch Break   |                                     |

**Annex 2a. List of Participants during the Preliminary Meeting of EAHMI Cambodia and Lao PDR on Reporting Indicators, 12 March 2013.**

|                      |   |
|----------------------|---|
| Dr. Carolyn Benigno  | Lead Technical Officer                              |
| Dr. David Bourn      | Regional Project Coordinator                        |
| Dr. Imelda J. Santos | Regional Focal Point                                |
| Chanrit Uawongkun    | Secretariat Support Consultant                      |
| Rafael Umbrero       | Regional GIS Manager                                |
| Dr. Sar Chetra       | National Focal Point, EAHMI Cambodia                |
| Chun Vireak          | GIS & Database Manager                              |
| Dr. Settha Sinthasak | National Focal Point, EAHMI Lao PDR                 |
| Grace T. Balingit    | Administrative Finance Assistant, EAHMI Philippines |

**Annex 2b. List of Participants during the National Focal Points Meeting, 13 – 14 March 2013.**

|                      |   |
|----------------------|---|
| Dr. Carolyn Benigno  | Lead Technical Officer                              |
| Dr. David Bourn      | Regional Project Coordinator                        |
| Dr. Imelda J. Santos | Regional Focal Point                                |
| Chanrit Uawongkun    | Secretariat Support Consultant                      |
| Rafael Umbrero       | Regional GIS Manager                                |
| Dr. Sar Chetra       | National Focal Point, EAHMI Cambodia                |
| Chun Vireak          | GIS & Database Manager, EAHMI Cambodia              |
| Dr. Settha Sinthasak | National Focal Point, EAHMI Lao PDR                 |
| Dr. Rubina Cresencio | National Focal Point, EAHMI Philippines             |
| Dr. Okkar Soe        | National Focal Point, EAHMI Myanmar                 |
| Dr. Pham Thu Hien    | Technical/Admin. Assistant, EAHMI Vietnam           |
| Grace T. Balingit    | Administrative Finance Assistant, EAHMI Philippines |

## Annex 3a. Workshop Agreements and Highlights of the EAHMI Cambodia and Lao PDR on Reporting Forms



Environmental Animal Health Management Initiative for Enhanced Smallholder Production in Cambodia, Lao PDR, Myanmar, the Philippines and Vietnam (GCP/NAI/144/09)

**Workshop Agreements and Highlights**  
EAHMI Cambodia and Lao PDR  
on Reporting Indicators

Rafael Umbrero, Regional GIS Manager  
Imelda Santos, Regional Focal Point

Bangkok, Thailand  
12 March 2013

### Cambodia

**Assessment Workshop for Pilot Program on Standardizing Animal Health and Production Reporting Forms:**  
19 September 2012

- To evaluate the implementation of the pilot standard reporting forms usage, reporting, data collection and data consolidation in the seven provinces (Banteay Meanchey, Battambang, Kampong Cham, Preah Sihanouk, Pursat, Svay Rieng, and Takeo)



### Piloted Standard Reporting Forms

- Animal Quarantine Movement
- Disease Outbreak Investigation
- Farms Profile
- Slaughtered Animals
- Animal Vaccinations

### Issues

- Late report submissions due to different submission dates of the government prescribed forms and the pilot forms
- Most reports were submitted as hard copy and were filled by hand
- Some reports were filled using MS Word instead of MS Excel which can be difficult to consolidate
- Incomplete information on the standard reporting forms
- Lack of capacity of district officials to use the GPS device
- Inefficient data collection in the field due to:
  - Multitasking of provincial staff
  - Inaccessibility and no operational budget for long travels

### Agreements

- Forms will be revised based on the comments from the partner provinces on data entry
- Revised forms will be adopted and piloted again for another three months commencing on December 2012
- NFP of EAHMI Cambodia will officially notify the provincial heads of office on the pilot usage of the forms and explain the relevance of the exercise to get their full support to the activity

### Agreements

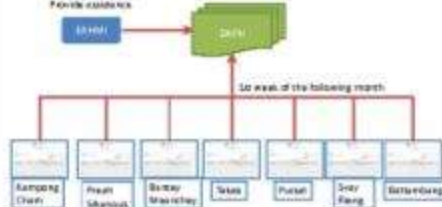
- Reporting period will follow the government prescribed reporting period of 1-30<sup>th</sup> of each month and submission during the first week of following month
- Training on the use of GPS units for district veterinarians will be conducted by EAHMI Cambodia
- Partner provinces requested support to purchase external drives and UPS for proper data storage and handling subject to availability of funds

## Agreements

- Partner provinces were requested to document and share good practices on the gathering of data and the use of the standardized reporting forms.
- GESDEM of EAHM Cambodia will train for two weeks at the EAHM Regional Base (Philippines) under the EAHM secondment programme and will work on the form design changes and the database.

## Agreements

Follow up to DAFN  
Provide evidence



## Lao PDR

### Workshop on Identification of Key Indicators/Parameters of Animal Production and Health for Environmental Animal Health Management in Lao PDR: 2 – 3 October 2012

- To review the current information reporting practices by the EAHM partner provinces (Vientiane Capital, Salavan and Xayabouly)
- Identify key indicators/parameters for the standardization of reporting forms



## Agreements

- Agreed standard reporting flow:



## Agreements

- Standardized reporting forms
  - Farm Profile (pig)
  - Animal Movement
  - Animal Health Monitoring
  - Meat Consumption
- Data submission on the standardized reporting forms will be computerized.

## Agreements

- EAHM Lao PDR will finalize the standardized reporting forms (translated into Lao) by November 2012.
- In November 2012, DAFN will announce the use of the standardized reporting forms in the three partner provinces (Vientiane Capital, Salavan, and Xayabouly).
- Four farms will be piloted for three months from December 2012 to February 2013.

## Agreements

- RACG will submit the reporting forms to EAHM/ Lao PDR
  - Database/GIS Assistant will receive the forms from the 3 provinces (reports must be received by Thursday).
  - NFP will follow up, monitor and check the quality of reports.
- Assessment workshop on the pilot program will be organized in March 2013.
- Central database will be established in DLF with the pilot database initially established in EAHM/ Lao PDR under the jurisdiction of the NFP.

## Annex 3b. Presentation of EAHMI Cambodia during the preliminary meeting on Reporting Indicators

  
 ENVIRONMENTAL ANIMAL HEALTH MANAGEMENT INITIATIVE FOR ENHANCED  
 SMALLHOLDER PRODUCTION IN CAMBODIA, LAO PDR, MYANMAR, THE  
 PHILIPPINES AND VIETNAM  
 (DGP/RAS/244/ITA)  
  
**Meeting of EAHMI Cambodia and Lao PDR on Reporting  
 Indicators**  
  
**Bangkok, Thailand  
 12 March 2013**  
  
**Mr. Chun Vireak,  
 GIS and Database Manager of EAHMI Cambodia**

### Situation of DAPH: Data Reporting

- **Data parameters to be reported**
  - Administration
  - Animal Production
  - Animal Health
  - Public Health activities
  - Law and Conflict activities
  - Planning-Accounting activities
  - Animal Production Research
  - National Veterinary Research
  - Technical Extension

### Situation of DAPH: Reporting (Cont.)

- **Mode of reporting**



```

graph TD
    A[Village] --> B[Clerk/Veterinarian]
    B --> C[Provincial Office of animal production and health]
    C --> D[Department of Animal Production and Health (DAPH)]
    
```

### Situation of DAPH: Reporting (Cont.)

- **Periods for reporting**
  - Monthly report
  - Quarterly report
  - Six month report
  - Nine month report
  - Annual report

### Situation of DAPH: Reporting (Cont.)

- **Date of report arrived, period of preparation and date for submitting to MAFF**
  - Report have to arrive Adm. office at least every 15<sup>th</sup> day of the month,
  - Adm. office start to prepare summary report during 10 days (from 15<sup>th</sup> to 24<sup>th</sup> of the month),
  - On the 25<sup>th</sup> of the month, DAPH have to submit the report to MAFF.

### Situation of DAPH: Reporting (Cont.)

- **For emergency reporting**
  - Relevant offices have to cooperate and prepare immediately by their own responsibility like: flood report, disease occurrence report, vaccination report etc. to be sent to MAFF on time.
  - DAPH also has three task forces for emergency in case of disease outbreaks like: AI, FMD, PRRS etc.

### Situation of DAPH: Reporting (Cont.)

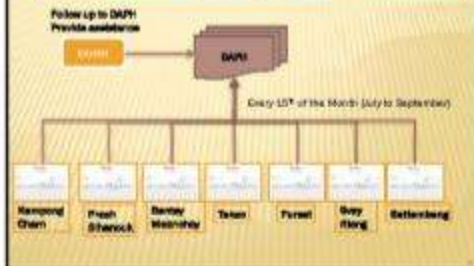
- **Report submission**
  - By taxi/bus (mostly hard copies)
  - By fax,
  - By email,
  - In case of laziness, ask them to submit as soon as possible by phone,
- **Reporting form:**
  - Not standardized, based on each province
- **Programs to be used:**
  - MS Word and MS Excel
- **Date of report arrived**
  - Provincial reports submit to Administration office of DAPH every 15<sup>th</sup> day of the month

## 1<sup>ST</sup> PILOT PROGRAM (15 JUNE-15 SEPTEMBER 2012)

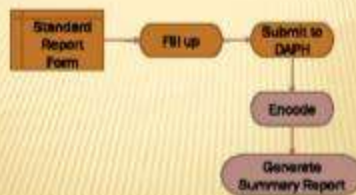
### Objectives of Pilot Activities (Standardizing Animal Health and Production Reporting Forms)

- One of the main objectives of EAHMI Cambodia in 2012 is to develop a pilot computerized data entry system for the recording and reporting of animal production and health information in the 7 provinces.
- Expectedly, data will be consolidated in a central database at DAPH headquarters in Phnom Penh.

### Reporting Flow



### Piloting Process flow



### Outcomes from Piloting Activities

- The standardized reporting forms on five parameters (animal diseases/disease outbreak investigation, animal movement, number of vaccinated animals, number of slaughtered animal, and farm profile) were developed in the seven pilot provinces;
- Information from each standardized reporting form is more comprehensive,
- Data was submitted to DAPH via email (minimizing the reporting time),
- Capacity of provincial staff were improved in terms of reporting, report submission, data entry, GIS mapping.



### Problems Encountered

- Some staff of DAPH and provinces are not familiar with the standardized reporting forms, resulting in late report submission, and incomplete reporting forms.
- Capacity of staff was limited in filling these forms as well as in mapping GIS, and the use of GPS units.

### Conclusion

- By the 1<sup>st</sup> pilot program in 3 months, DAPH noticed that it provided many advantages to DAPH such as an easiness to collect data through email, comprehensive data, and data can be easily computerized with coding.
- The five standardized reporting form were simplified according to Cambodia's situation.
- Provision of training will be needed to improve capacity of staff in terms of data collection, data entry, reporting, GIS and GPS application.

## 2<sup>ND</sup> PILOT PROGRAM

(1<sup>ST</sup> DEC 2012-28<sup>TH</sup> FEB 2013)

### REPORT ON 2<sup>ND</sup> PILOTING ACTIVITIES IN 3 MONTHS

1<sup>st</sup> month: 1<sup>st</sup> - 31<sup>st</sup> December 2012

Reports Sent by Provinces

| Province         | Number of Reports | Number of Photos | Number of Maps | Number of Videos | Number of Audio | Number of Other |
|------------------|-------------------|------------------|----------------|------------------|-----------------|-----------------|
| Banteas Meanchey |                   |                  |                |                  |                 |                 |
| Battambang       | ✓                 |                  | ✓              | ✓                | ✓               | ✓               |
| Kamping Chhn     |                   |                  |                |                  |                 |                 |
| Pursat           | ✓                 |                  |                | ✓                |                 |                 |
| Preah Vihear     | ✓                 |                  | ✓              | ✓                | ✓               | ✓               |
| Stung Treng      |                   |                  |                |                  |                 |                 |
| Takeo            |                   |                  |                |                  |                 |                 |
| <b>Total</b>     | <b>4</b>          | <b>0</b>         | <b>2</b>       | <b>2</b>         | <b>2</b>        | <b>2</b>        |

2<sup>nd</sup> month: 1<sup>st</sup> - 31 January 2013

Reports Sent by Provinces

| Province         | Number of Reports | Number of Photos | Number of Maps | Number of Videos | Number of Audio | Number of Other |
|------------------|-------------------|------------------|----------------|------------------|-----------------|-----------------|
| Banteas Meanchey |                   |                  | ✓              | ✓                |                 |                 |
| Battambang       | ✓                 |                  | ✓              | ✓                | ✓               | ✓               |
| Kamping Chhn     | ✓                 | ✓                | ✓              | ✓                | ✓               | ✓               |
| Pursat           | ✓                 |                  |                | ✓                |                 |                 |
| Preah Vihear     | ✓                 |                  | ✓              | ✓                | ✓               | ✓               |
| Stung Treng      |                   |                  |                | ✓                |                 |                 |
| Takeo            |                   |                  |                |                  |                 |                 |
| <b>Total</b>     | <b>4</b>          | <b>1</b>         | <b>4</b>       | <b>5</b>         | <b>3</b>        | <b>3</b>        |

Date of Report Submission

| Province         | 1 <sup>st</sup> December 2012 | 1 <sup>st</sup> January 2013 | Number   |
|------------------|-------------------------------|------------------------------|--|
| Banteas Meanchey | 2/1/2012                      | 11/1/2013                    | 2 <sup>nd</sup> month: AM, SA, SA, AM<br>2 <sup>nd</sup> month: AM, DOI, AM              |
| Battambang       | 4/1/2012                      | 11/1/2013                    | 2 <sup>nd</sup> month: DOI<br>2 <sup>nd</sup> month: DOI                                 |
| Kamping Chhn     |                               | 4/1/2013                     | 2 <sup>nd</sup> month: AM, SA, PE, DOI, AM   |
| Pursat           | 26/11/2012                    | 11/1/2013                    | 2 <sup>nd</sup> month: AM, PE, DOI<br>2 <sup>nd</sup> month: AM, PE, DOI                 |
| Preah Vihear     | 4/1/2012                      | 4/1/2013                     | 2 <sup>nd</sup> month: DOI<br>2 <sup>nd</sup> month: DOI                                 |
| Stung Treng      |                               | 18/1/2013                    | 2 <sup>nd</sup> month: AM, SA, PE, DOI, AM<br>2 <sup>nd</sup> month: AM, PE, DOI, AM     |
| Takeo            |                               |                              | 2 <sup>nd</sup> month: AM, AM, SA, PE, DOI<br>2 <sup>nd</sup> month: AM, AM, SA, PE, DOI |

**1<sup>st</sup> month: 1-31 December 2012**  
Mode of Report Submission

| Province     | By Email  | By Hand Copy | MS Excel | MS Word |
|--------------|-----------|--------------|----------|---------|
| Burien       | Soft copy |              | ✓        |         |
| Muarkei      |           |              |          |         |
| Batambeng    | Soft copy |              | ✓        |         |
| Kampung Cham |           |              |          |         |
| Prasat       | Soft copy |              | ✓        |         |
| Preak Sraek  | Soft copy |              | ✓        | ✓       |
| Sroy Rieng   |           |              |          |         |
| Takeo        |           |              |          |         |

**2<sup>nd</sup> month: 1 - 31 January 2013**  
Mode of Report Submission

| Province     | By Email  | By Hand Copy | MS Excel | MS Word |
|--------------|-----------|--------------|----------|---------|
| Burien       | Soft copy |              | ✓        |         |
| Muarkei      |           |              |          |         |
| Batambeng    | Soft copy |              | ✓        |         |
| Kampung Cham | Soft copy |              | ✓        |         |
| Prasat       | Soft copy |              | ✓        |         |
| Preak Sraek  | Soft copy |              | ✓        | ✓       |
| Sroy Rieng   | Soft copy |              |          | ✓       |
| Takeo        |           |              |          |         |

**1<sup>st</sup> month: 1-31 December 2012**  
Quality of Reports: Animal Quarantine Movement

| Province       | Details Not Filled up  | Remarks       |
|----------------|--|---------------|
| Burien/Muarkei |  | Not submitted |
| Batambeng      | <ul style="list-style-type: none"> <li>Products Inspected</li> <li>Qty</li> <li>Average Price</li> </ul> |               |
| Kampung Cham   |  | Not submitted |
| Prasat         | <ul style="list-style-type: none"> <li>Products Inspected</li> <li>Qty</li> <li>Average Price</li> </ul> |               |
| Preak Sraek    | <ul style="list-style-type: none"> <li>Products Inspected</li> <li>Qty</li> <li>Average Price</li> </ul> |               |
| Sroy Rieng     |  | Not submitted |
| Takeo          |  | Not submitted |

**Quality of Reports: Farm Profile**

| Province          | Details Not Filled up   | Remarks       |
|-------------------|---|---------------|
| Batambeng/Muarkei | <ul style="list-style-type: none"> <li>Age</li> <li>Sex</li> <li>Color</li> <li>Weight</li> <li>Health</li> </ul>   |               |
| Batambeng         | <ul style="list-style-type: none"> <li>Age</li> <li>Sex</li> <li>Color</li> <li>Weight</li> <li>Health</li> <li>Location</li> <li>Number of Farms</li> <li>Age of Farmer</li> <li>Sex of Farmer</li> <li>MSL Female</li> </ul>                                |               |
| Kampung Cham      |   | Not submitted |
| Prasat            |   | Not submitted |
| Preak Sraek       | <ul style="list-style-type: none"> <li>Identification Number</li> <li>Age</li> <li>Sex</li> <li>Color</li> <li>Weight</li> <li>Health</li> <li>Location</li> <li>Number of Farms</li> <li>Age of Farmer</li> <li>Sex of Farmer</li> <li>MSL Female</li> </ul> |               |
| Sroy Rieng        |   | Not submitted |
| Takeo             |   |               |

**Quality of Reports: Slaughtered Animals**

| Province       | Details Not Filled up   | Remarks                   |
|----------------|---|---------------------------|
| Burien/Muarkei |   | Not submitted             |
| Batambeng      | <ul style="list-style-type: none"> <li>Average Price</li> </ul> |                           |
| Kampung Cham   |   | Not submitted             |
| Prasat         |   | All information filled up |
| Preak Sraek    |   | All information filled up |
| Sroy Rieng     |   | Not submitted             |
| Takeo          |   | Not submitted             |

**Quality of Reports: Vaccination**

| Province       | Details Not Filled up   | Remarks       |
|----------------|---|---------------|
| Burien/Muarkei |   | Not submitted |
| Batambeng      | <ul style="list-style-type: none"> <li>Age</li> </ul>   |               |
| Kampung Cham   |   | Not submitted |
| Prasat         |   | Not submitted |
| Preak Sraek    | <ul style="list-style-type: none"> <li>Owner's Name</li> <li>Age</li> <li>Total Animals Owned</li> <li>Source of Vaccine</li> <li>Vaccine Used</li> </ul> |               |
| Sroy Rieng     |   | Not submitted |
| Takeo          |   | Not submitted |

2<sup>nd</sup> month: 1-31 January 2013  
Quality of Reports: Animal Quarantine Movement

| Province       | Fields Not Filled Up  | Remarks       |
|----------------|---|---------------|
| Berbay         |   | Not submitted |
| Meanchey       |   |               |
| Battambang     | <ul style="list-style-type: none"> <li>•Products Inspected</li> <li>•Qty</li> <li>•Average Price</li> </ul> |               |
| Kampong Cham   | <ul style="list-style-type: none"> <li>•Products Inspected</li> <li>•Qty</li> <li>•Average Price</li> </ul> |               |
| Pursat         | <ul style="list-style-type: none"> <li>•Products Inspected</li> <li>•Qty</li> <li>•Average Price</li> </ul> |               |
| Preah Sihanouk | <ul style="list-style-type: none"> <li>•Male No</li> <li>•Female No</li> </ul>                              |               |
| Svay Rieng     |   | Not submitted |
| Takeo          |   | Not submitted |

Quality of Reports: Disease Outbreak Investigation

| Province       | Fields Not Filled Up  | Remarks       |
|----------------|---|---------------|
| Berbay         |   | Not submitted |
| Meanchey       |   |               |
| Battambang     |   | Not submitted |
| Kampong Cham   | <ul style="list-style-type: none"> <li>•Owner's Name</li> <li>•Age</li> <li>•Total Animals Owned</li> <li>•Total Animals Destroyed</li> <li>•Total Animals Slaughtered</li> </ul> |               |
| Pursat         |   | Not submitted |
| Preah Sihanouk |   | Not submitted |
| Svay Rieng     |   | Not submitted |
| Takeo          |   | Not submitted |

Quality of Reports: Farm Profile

| Province     | Fields Not Filled Up  | Remarks       |
|--------------|---|---------------|
| Berbay       | <ul style="list-style-type: none"> <li>•Establishment No</li> <li>•Email</li> <li>•House No</li> <li>•Contact</li> </ul>  |               |
| Meanchey     |   |               |
| Battambang   | <ul style="list-style-type: none"> <li>•Establishment No</li> <li>•Email Address</li> <li>•Longitude, Latitude</li> <li>•Name of Farm</li> <li>•Contact</li> <li>•Date of Inventory</li> <li>•Breed</li> </ul>  |               |
| Kampong Cham | <ul style="list-style-type: none"> <li>•Establishment type</li> <li>•House of Farm</li> <li>•Contact</li> <li>•Contact Number</li> <li>•House No</li> <li>•Breed No</li> <li>•Longitude, Latitude</li> <li>•Name of Farm</li> <li>•Contact</li> <li>•Date of Inventory</li> </ul> |               |
| Pursat       |   | Not submitted |

Quality of Reports: Farm Profile (cont.)

| Province       | Fields Not Filled Up  | Remarks       |
|----------------|---|---------------|
| Preah Sihanouk | <ul style="list-style-type: none"> <li>•Establishment No</li> <li>•Contact No</li> <li>•Email Address</li> <li>•House No</li> <li>•Street No</li> <li>•Longitude, Latitude</li> <li>•Name of Farm</li> <li>•Contact</li> <li>•Date of Inventory</li> <li>•Age</li> <li>•Male, Female</li> </ul> |               |
| Svay Rieng     |   | Not submitted |
| Takeo          |   | Not submitted |

Quality of Reports: Slaughtered Animals

| Province       | Fields Not Filled Up   | Remarks                            |
|----------------|--|------------------------------------|
| Berbay         |  | All required information filled up |
| Meanchey       |  |                                    |
| Battambang     | <ul style="list-style-type: none"> <li>•Average Price</li> </ul>   |                                    |
| Kampong Cham   | <ul style="list-style-type: none"> <li>•Date of Slaughter</li> <li>•Contact</li> <li>•Village</li> <li>•Owner's Name</li> <li>•Average Price per kg</li> </ul> |                                    |
| Pursat         |  | All required information filled up |
| Preah Sihanouk |  | All required information filled up |
| Svay Rieng     | <ul style="list-style-type: none"> <li>•Average Price per kg</li> </ul>  |                                    |
| Takeo          |  | Not submitted                      |

Quality of Reports: Vaccination

| Province        | Fields Not Filled Up   | Remarks       |
|-----------------|--|---------------|
| Berbay/Meanchey |  | Not submitted |
| Battambang      | <ul style="list-style-type: none"> <li>•Age</li> </ul>   |               |
| Kampong Cham    | <ul style="list-style-type: none"> <li>•Date Vaccinated</li> <li>•Owner's Name</li> <li>•Age</li> </ul>  |               |
| Pursat          | <ul style="list-style-type: none"> <li>•Name of Vaccinator</li> </ul>  |               |
| Preah Sihanouk  | <ul style="list-style-type: none"> <li>•Owner's Name</li> <li>•Age</li> <li>•No Animal Owned</li> <li>•Source of Vaccine</li> <li>•Vaccine Used</li> </ul> |               |
| Svay Rieng      |  | Not submitted |
| Takeo           |  | Not submitted |

### × 3<sup>rd</sup> month: 1 - 28 February 2013

- Report will be prepared after the meeting.

### CHALLENGES ENCOUNTERED

- × Multi-tasking of provincial staff made it difficult for the new forms to be implemented.
- × All five reporting forms were not filled up properly.
- × Some district officials had difficulty filling in the required information on the new forms.
- × District officials could not use GPS device so GPS coordinates were not recorded on the forms.
- × Maps were not attached to some of the provincial reports.

### CONCLUSIONS AND RECOMMENDATIONS

- Some difficulties were encountered during the piloting of Standardized Animal Health and Production Reporting Forms in 7 target provinces, and its challenges need to be met.
- Although not all 7 provinces were compliant, by the end of the pilot program in 3 months, DAPH noticed that there are advantages such as an ease to collect data through email, comprehensive data, and data can be easily computerized with coding.
- Training of staff is needed to further improve capacity esp. at district level in terms of data collection, data entry, reporting, GIS and GPS application.
- Piloting of Standardized Animal Health and Production Reporting Forms in 7 target provinces should be continued and enhanced.

**THANK YOU!**

### Annex 3c. Presentation of EAHMI Lao PDR during the preliminary meeting on Reporting Indicators

  
 Environmental Animal Health Management Initiative for Enhanced Smallholder  
 Production in Cambodia, Lao PDR, Myanmar, the Philippines and Vietnam  
 (GO/945/244/13R)

**Meeting of EAHMI Cambodia and Lao PDR on  
 Reporting Indicators**

**Settha Sinthasak  
 National Focal Point, EAHMI Lao PDR**

**Bangkok, Thailand  
 12 March 2013**

**Pilot Program in 3 months  
 1<sup>st</sup> month 6 to 27 December 2012  
 Reports Sent by Provinces (PAFO)**

| Provinces         | Animal Movement | Animal Health Monitoring | Farm Profile on Pigs | Meat Consumption | Remarks  |
|-------------------|-----------------|--------------------------|----------------------|------------------|--|
| Vientiane Capital | 3               | 2                        | 1                    | 3                | - No report on AMM<br>- Delayed report submission<br>- Provide training to the staff across the provinces<br>- District no. 10a GH |
| Kaysabouly        | 3               | 5                        | 2                    | 3                | - One week a month for meat consumption report<br>- District no. 10a GH  |
| Savannakhet       | 0               | 0                        | 0                    | 0                | - None report submitted  |
| <b>Total:</b>     | <b>6</b>        | <b>7</b>                 | <b>3</b>             | <b>6</b>         |  |

**Pilot Program in three months  
 2<sup>nd</sup> month 3 to 31 January 2013  
 Reports Sent by Provinces (PAFO)**

| Provinces         | Animal Movement | Animal Health Monitoring | Farm Profile on Pigs | Meat Consumption | Remarks   |
|-------------------|-----------------|--------------------------|----------------------|------------------|-----------|
| Vientiane Capital | 1               | 0                        | 1                    | 7                | 9         |
| Kaysabouly        | 2               | 8                        | 1                    | 2                | 13        |
| Savannakhet       | 5               | 5                        | 0                    | 5                | 15        |
| <b>Total:</b>     | <b>8</b>        | <b>13</b>                | <b>2</b>             | <b>14</b>        | <b>37</b> |

**Pilot Program in three months  
 3<sup>rd</sup> month 7 to 28 February 2013  
 Reports Sent by Provinces (PAFO)**

| Provinces         | Animal Movement | Animal Health Monitoring | Farm Profile on Pigs | Meat Consumption | Remarks   |
|-------------------|-----------------|--------------------------|----------------------|------------------|-----------|
| Vientiane Capital | 4               | 0                        | 1                    | 1                | 6         |
| Kaysabouly        | 2               | 5                        | 2                    | 3                | 12        |
| Savannakhet       | 4               | 4                        | 0                    | 4                | 12        |
| <b>Total:</b>     | <b>10</b>       | <b>9</b>                 | <b>3</b>             | <b>8</b>         | <b>30</b> |

**Date of Report Submission**

| Provinces         | 6 to 27 December                                     | 3 to 31 January  | 7 to 28 February                                     | Remarks  |
|-------------------|--|--|--|--|
| Vientiane Capital | 31/12/2012   | 10/01/2013<br>17/01/2013<br>24/01/2013<br>31/01/2013               | 07/02/2013<br>14/02/2013<br>21/02/2013<br>28/02/2013 | 1 <sup>st</sup> month: AM(2); RP(1); MC(2)<br>2 <sup>nd</sup> month: AM(5); MC(2)<br>3 <sup>rd</sup> month: AM(4); RP(1); MC(4)                              |
| Kaysabouly        | 05/12/2012<br>12/12/2012<br>20/12/2012<br>27/12/2012 | 03/01/2013<br>10/01/2013<br>17/01/2013<br>24/01/2013               | 07/02/2013<br>14/02/2013<br>21/02/2013<br>28/02/2013 | 1 <sup>st</sup> month: AM(2); AM(2); RP(2); MC(3)<br>2 <sup>nd</sup> month: AM(2)<br>3 <sup>rd</sup> month: AM(2); AM(2); AM(2); RP(1); MC(2)                |
| Savannakhet       | No any report for AM, AMM, RP or AMC                 | 03/01/2013<br>10/01/2013<br>17/01/2013<br>24/01/2013<br>31/01/2013 | 07/02/2013<br>14/02/2013<br>21/02/2013<br>28/02/2013 | 1 <sup>st</sup> month: no report<br>2 <sup>nd</sup> month: AM(5)<br>3 <sup>rd</sup> month: AM(4); MC(3)<br>4 <sup>th</sup> month: AM(4); AM(4); RP(1); MC(3) |

**1<sup>st</sup> month 6 to 27 December 2012  
 Mode of Report Submission**

| Provinces         | By E-mail | By Fax    | MS Excel |
|-------------------|-----------|-----------|----------|
| Vientiane Capital | Soft Copy | Hard Copy | ✓        |
| Kaysabouly        | Soft Copy | Hard Copy | ✓        |
| Savannakhet       | Soft Copy | Hard Copy | ✓        |

**2<sup>nd</sup> month 3 to 31 January 2013  
Mode of Report Submission**

| Provinces    | By E-mail | By Fax | MS Excel |
|--------------|-----------|--------|----------|
| Western Cape | Soft Copy | X      | ✓        |
| Keybody      | Soft Copy | ✓      | ✓        |
| Sabien       | Soft Copy | X      | ✓        |

**3<sup>rd</sup> month 7 to 28 February 2013  
Mode of Report Submission**

| Provinces    | By E-mail | By Fax | MS Excel |
|--------------|-----------|--------|----------|
| Western Cape | Soft Copy | X      | ✓        |
| Keybody      | Soft Copy | X      | ✓        |
| Sabien       | Soft Copy | X      | ✓        |

**1<sup>st</sup> month # 6 to 27 December 2012  
Quality of Reports: Animal Movement**

| Provinces    | Fields Not Filled Up  | Remarks  |
|--------------|---|--|
| Western Cape | <ul style="list-style-type: none"> <li>Longitude, Latitude</li> <li>Date, Letter Number</li> <li>Authority Name for Animal Movement</li> <li>Exact Animal Weight</li> </ul> | <ul style="list-style-type: none"> <li>No GPS mark</li> <li>Some form submission</li> <li>No authority name and signature in VIE</li> <li>Weight not identified in Rg</li> </ul> |
| Keybody      | <ul style="list-style-type: none"> <li>Longitude, Latitude</li> <li>Market Name</li> <li>Exact Animal Weight</li> </ul>   | <ul style="list-style-type: none"> <li>No GPS mark</li> <li>Not done for market name</li> <li>Identified in animal No. and in Rg</li> </ul>                                      |
| Sabien       | <ul style="list-style-type: none"> <li>Longitude</li> <li>Latitude</li> <li>Report reason</li> </ul>  | <ul style="list-style-type: none"> <li>No GPS mark and some no report reason</li> </ul>  |

**2<sup>nd</sup> month # 3 to 31 January 2013  
Quality of Reports: Animal Health Monitoring**

| Provinces    | Fields Not Filled Up  | Remarks   |
|--------------|---|---|
| Western Cape | <ul style="list-style-type: none"> <li>Longitude</li> <li>Latitude</li> </ul>   | <ul style="list-style-type: none"> <li>No GPS in the Districts</li> <li>Name listed is not and report submitted to PMS and a few form profiles on page</li> </ul>   |
| Keybody      | <ul style="list-style-type: none"> <li>Longitude</li> <li>Latitude</li> <li>Animal Disease</li> <li>Clinical Sign</li> <li>Vaccination</li> </ul> | <ul style="list-style-type: none"> <li>No GPS in the Districts</li> <li>Name listed not filled, animal disease, clinical sign and vaccination</li> <li>There are not pig farms in these areas, not marked on map</li> </ul> |
| Sabien       | <ul style="list-style-type: none"> <li>Longitude</li> <li>Latitude</li> <li>Vaccination</li> </ul>  | <ul style="list-style-type: none"> <li>GPSs marked in districts</li> <li>Form in Westgalia and Galesburging not filled and form profiles</li> </ul>   |

**3<sup>rd</sup> month # 7 to 26 February 2013  
Quality of Reports: Farm Profile on Pigs**

| Provinces    | Fields Not Filled Up  | Remarks   |
|--------------|---|---|
| Western Cape | <ul style="list-style-type: none"> <li>Longitude</li> <li>Latitude</li> </ul> | <ul style="list-style-type: none"> <li>No GPS in Districts</li> <li>Map on MS Excel not filled because of 50 locations in District</li> </ul> |
| Keybody      | <ul style="list-style-type: none"> <li>Longitude</li> <li>Latitude</li> </ul> | <ul style="list-style-type: none"> <li>No GPS in Districts</li> <li>Map on MS Excel not filled because of 50 locations in District</li> </ul> |
| Sabien       | <ul style="list-style-type: none"> <li>Longitude</li> <li>Latitude</li> </ul> | <ul style="list-style-type: none"> <li>No GPS in Districts</li> </ul>   |

**Quality of Reports: Meat Consumption**

| Provinces    | Fields Not Filled Up  | Remarks  |
|--------------|---|--|
| Western Cape | <ul style="list-style-type: none"> <li>No data on GPS</li> <li>TB is not completed</li> </ul>   | <ul style="list-style-type: none"> <li>No GPS in the Districts</li> <li>Name listed filled in report to PMS and form submitted to DLT</li> </ul>   |
| Keybody      | <ul style="list-style-type: none"> <li>No data on GPS</li> <li>Average animal weight</li> </ul> | <ul style="list-style-type: none"> <li>No data on GPS in the Districts</li> <li>Name listed filled in report to PMS and form submitted to DLT</li> <li>Map on MS Excel not filled because of 50 locations in District</li> <li>Map on MS Excel not filled because of 50 locations in District</li> <li>Map on MS Excel not filled because of 50 locations in District</li> </ul> |
| Sabien       | <ul style="list-style-type: none"> <li>No data on GPS</li> <li>No data on pig farm</li> </ul>   | <ul style="list-style-type: none"> <li>No GPS in the Districts</li> <li>Name listed filled in report to PMS and form submitted to DLT</li> <li>Map on MS Excel not filled because of 50 locations in District</li> <li>Map on MS Excel not filled because of 50 locations in District</li> <li>Map on MS Excel not filled because of 50 locations in District</li> </ul>         |

### Constraints Encountered

1<sup>st</sup> Month : 6 to 27 December 2012

- Salavan PAFO no report submission for 4 forms
- Vientiane PAFO no report submission on AHM because not disease outbreak.
- Delayed report submission to DLF
- Reporting forms not submitted on time
- District staff and PAFOs can't use GPS and no GPS

### Constraints Encountered

2<sup>nd</sup> month: 3 to 31 January 2013

- Data collection for some district not available due to remote area as mountainous district in Xayabouly and Salavan
- No report on GPS identification
- Some districts have no access to Fax (e.g. Pak-Ngeum)
- Sisanak is a center district and prohibition for animal raising

### Constraints Encountered

3<sup>rd</sup> month: 7 to 28 February 2013

- No GPS data identification
- Few Farm Profile on Pigs in Salavan, but it is a private backyard cattle free raising openly in the jungle.
- Late submission from District to PAFO
- Limited staff in district level and do many things.

### Conclusions and Recommendations

- After the pilot program and once the reporting compliance from the 3 partner provinces had improved, DLF should extend the official use of the standard reporting forms to the other provinces (17 provinces).
- The 4 key indicator reporting forms will serve as the standard reporting forms of DLF.
- The 4 standard reporting forms will become part of one basic report system from PAFO to Epidemiology Unit and DLF.

### Conclusions and Recommendations (Cont'd)

- Information collected from the 4 standard forms can be used by the Epidemiology Unit database under DLF for data analysis on animal health/disease situation, animal movement, pig production and meat consumption.
- Data on animal health monitoring can serve as reliable data for Epidemiology Unit to monitor disease outbreaks and to develop national control strategy pathway for diseases.

### Conclusions and Recommendations (Cont'd)

- The data collection on the 4 standard reporting forms can help in the development of the information system that will be beneficial to DLF.
- Data collected from the field can be used for reporting from DLF to MAF.
- Data generated from the standard reporting can be used for report submissions to international organizations like FAO, OIE, etc.
- Constraint in data collection due to remote areas (mountainous) and no electricity access so unable to use FAX to send in reports.

## Annex 3d. Agreements on EAHMI Cambodia and Lao PDR Reporting Indicators

Environmental Animal Health Management Initiative for Enhanced Smallholder Production in Cambodia, Lao PDR, Myanmar, the Philippines and Vietnam (ICP/RAS/204/ITA)

### Agreements on EAHMI Cambodia and Lao PDR Reporting Indicators

Bangkok, Thailand  
12 March 2013

### Cambodia

- Continue pilot activities in 7 provinces
- ✓ Training of focal persons of 7 provinces to improve filling up of data on the standardized reporting forms
- ✓ Refresher training course of district/provincial/DAPH staff on GPS/GIS (about 15 pax)
- ✓ Encourage partner provinces to submit outstanding data forms
- ✓ Summarize and analyze the data obtained from the reports
- ✓ Disseminate successful implementation of standardized reporting forms by certain provinces to other provinces

### Cambodia

- Establish DAPH website
- Preparation of posters for ASWGL meeting in May 2013
- ✓ Get internal approval from DAPH to follow up recommendations from ASWGL meeting
- Expand progressively the use of standardized reporting forms, GIS/GPS capacity building activities to the other 17 provinces
- Develop national animal production and health information system

### Piloted Standard Reporting Forms

- Animal Quarantine Movement
- Disease Outbreak Investigation
- Farm Profile
- Slaughtered Animals
- Animal Vaccinations

### Lao PDR

- Continue to implement 4 key indicator forms in the 3 provinces
- ✓ EAHMI-FAO to discuss with NFP how to use the forms
- ✓ NFP teach provinces how to use the forms (refresher course)
- ✓ Encourage partner provinces to submit outstanding data forms
- ✓ Implement pilot program from 1 March-15 May

### Lao PDR

- Follow up recommendations of Reporting Indicators Meeting
- ✓ Discuss with DG of DLF to order 3 provinces to use the form, later to expand to other provinces
- ✓ Summarize and analyze the data obtained from the reports
- ✓ Develop paper on reporting indicators for Dissemination Workshop in Sep 2013



## Lao PDR

- Standardized reporting forms
  - Farm Profile (pig)
  - Animal Movement
  - Animal Health Monitoring
  - Meat Consumption

## Annex 4a. Presentation of the LTO



GCP/RAS/244/ITA Environmental Animal Health Management Initiative (EAHMI) for enhanced smallholder production in Southeast Asia

National Focal Points Meeting  
13-14 March 2013

### Objectives

- To review past activities and plan for the completion and consolidation of such activities.
- To develop plans for the dissemination activity and closing workshop

### Objectives

- To review past activities and plan for the completion and consolidation of such activities.
  - Completion by June 2013
  - To include additional activities agreed in the reporting indicators meeting
  - Development of papers/policy briefs/posters, etc.

### Objectives

- To develop plans for the dissemination activity and closing workshop
  - Plans for dissemination (ASWGL, website)
  - Closing workshop (EAHM conference)

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### Country allocation 2013

| Component                 | Original Commitment | Less: Reversal | Revised Commitment | Actual Disbursement | Balance        | 2013           |
|---------------------------|---------------------|----------------|--------------------|---------------------|----------------|----------------|
| Administrative            |                     |                |                    |                     |                |                |
| Consultants Budget        | 37,000              | -2,000         | 35,000             | -                   | 35,000         | 34,200         |
| Contract Charges On       |                     | 3,400          | 29,600             | 30,000              | 3,400          | 30,143         |
| Local Contribution Budget |                     | 5,000          | 5,000              |                     | 5,000          | 24,200         |
| Travel Budget             | 11,200              |                | 11,200             |                     | 11,200         | 11,200         |
| Training Budget           | 40,000              | -1,000         | 39,000             | 12,000              | 27,000         | 11,700         |
| Equipment Budget          |                     | 3,000          | 3,000              | 3,000               |                | 15,700         |
| Other Expenses            |                     |                |                    |                     |                | 10,000         |
| Equipment Budget          |                     |                |                    | 3,000               | 3,000          | 3,000          |
| Travel Budget             | 30,000              |                | 30,000             |                     | 30,000         | 27,000         |
| Equipment Budget          |                     | 3,000          | 3,000              | 3,000               |                | 15,700         |
| Other Expenses Budget     |                     |                |                    |                     |                | 10,000         |
| <b>Total</b>              | <b>200,000</b>      | <b>-10,000</b> | <b>190,000</b>     | <b>48,000</b>       | <b>142,000</b> | <b>190,700</b> |
| Contractual Obligations   | 200,000             | 10,000         | 190,000            | 48,000              | 142,000        | 190,700        |
| Disbursements             |                     |                |                    | 48,000              |                | 190,700        |

| Year | Indicator           | 2010   | 2011   | 2012   | 2013   | 2014   | 2015   |
|------|---------------------|--------|--------|--------|--------|--------|--------|
| 2010 | FAO Livestock Stock | 0      | 0      | 0      | 0      | 0      | 0      |
| 2011 | FAO Livestock Stock | 0      | 0      | 0      | 0      | 0      | 0      |
| 2012 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2013 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2014 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2015 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2016 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2017 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2018 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2019 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2020 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2021 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2022 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2023 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2024 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2025 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2026 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2027 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2028 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2029 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2030 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2031 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2032 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2033 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2034 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2035 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2036 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2037 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2038 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2039 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2040 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2041 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2042 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2043 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2044 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2045 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2046 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2047 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2048 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2049 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2050 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2051 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2052 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2053 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2054 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2055 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2056 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2057 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2058 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2059 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2060 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2061 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2062 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2063 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2064 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2065 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2066 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2067 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2068 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2069 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2070 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2071 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2072 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2073 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2074 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2075 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2076 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2077 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2078 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2079 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2080 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2081 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2082 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2083 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2084 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2085 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2086 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2087 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2088 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2089 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2090 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2091 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2092 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2093 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2094 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2095 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2096 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2097 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2098 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2099 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |
| 2100 | FAO Livestock Stock | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |



### Transition Plans

- Display during the ACCAHZ (20-21May), ASWGL meeting (22-24 May)
  - Philippines requested to hold meeting in one venue
  - EAHMI Regional Staff to coordinate booth display
- FAO presentation on EAHMI during the ASWGL meeting
  - Presentation to focus on Reporting Indicators
  - Cambodia and Laos to move for ASEAN support so it can be tabled in the next ASWGL meeting, 2014

### Transition Plans

#### Gender and Livestock

- Objective: To provide support to the project social component related to the empowerment of poor livestock keepers, both women and men, to participate in policy decision making processes
- Training: Understanding and integrating gender issues into livestock projects and programmes
  - building an understanding of the social and gender aspects of livestock management while increasing their capacity of mainstreaming the identified social components in ongoing and future livestock projects and programmes.

### Transition Plans

#### Gender and Livestock

- Three day training
- Venue: Bangkok
- Date: June 2013
- Participants:
  - o EAHM member countries, Thailand, OIE (7)
  - o should be currently designing, implementing, monitoring livestock-related programmes and projects.

### Transition Plans

- EAHM conference (Manila, Philippines, September 2013)
  - Internal meeting among EAHM member countries
  - Open to all (registration online, finalize venue and programme)
  - Papers to be presented by member countries
  - Invite others to submit papers
  - Network registered members

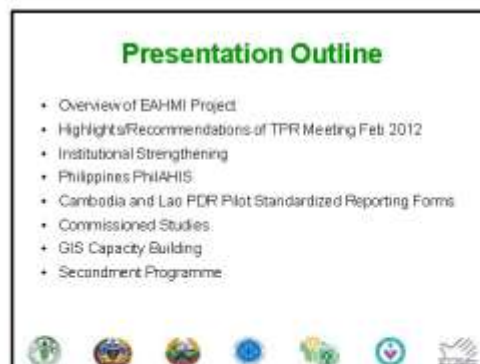
### What can be maintained by the Regional Base

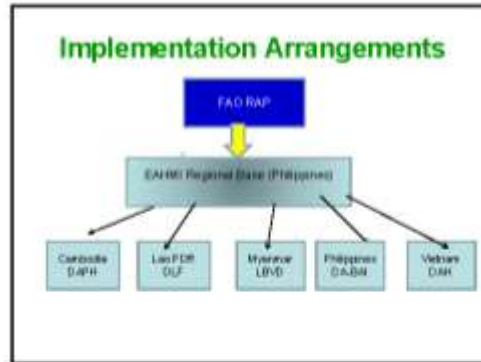
- Website
- GIS support (through FAO assistance)
- Networking
- Secondment programme
- Maintain project subregional database
- Demonstrate applications of PHLAHIS

### What can be maintained by EAHMI Member Countries

- Cambodia, Lao PDR:
  - Continue implementing the reporting indicators on animal health and production
  - Website maintenance by Cambodia
  - Sharing data to the subregional database
- Myanmar:
  - GIS applications on animal health
  - Sharing data to the subregional database
- Vietnam:
  - GIS applications on animal health
  - Sharing data to the subregional database

## Annex 4b. Project Report Progress and Achievements by the RFP and RGISM





### Tripartite Review Meeting 25 Feb 2012 Hanoi, Viet Nam Highlights of Recommendations

- Capacity building and human resource development should remain a high priority to sustain the project gains in the Philippines, Cambodia and Lao PDR to achieve similar results in Myanmar and Vietnam.
- A plan to develop and strengthen a regional EAHM network must be put in place within the project period to guarantee sustainability of project gains.
- EAHM should take steps to increase its visibility at both policy and community level. In this respect the possibility of organizing a final workshop to disseminate the outputs should be explored.

### Tripartite Review Meeting 25 Feb 2012 Hanoi, Viet Nam Highlights of Recommendations

- Further examples of EAHM best practices should be documented and distributed within the project and published to benefit other stakeholders.
- Veterinary services partnering with academic institutions are strongly encouraged to ensure sustainability of project inputs.
- Animal production and health professional associations and relevant educational establishments should be encouraged to endorse the EAHM concept and approach in their charters and curricula.

### Tripartite Review Meeting 25 Feb 2012 Hanoi, Viet Nam Highlights of Recommendations

- EAHM member countries must commence with developing sustainability plans by initially seeking counterpart funds to maintain the country offices in the short term and then to develop long term plans where EAHM is fully integrated in the animal health and production planning and implementation.
- The mission recommends to re-direct emphasis to vectors, vector-borne and endemic diseases.

### Institutional Strengthening

|             | Cambodia | Laos | Myanmar | Philippines | Vietnam |
|-------------|----------|------|---------|-------------|---------|
| EAHM Office | ✓        | ✓    | ✓       | ✓           | ✓       |
| Staff       | 4        | 5    | 1       | 5           | 3       |
| Transport   | ✓        | ✓    |         | ✓           |         |
| Computers   | ✓        | ✓    | ✓       | ✓           | ✓       |
| Phones      | ✓        | ✓    | ✓       | ✓           | ✓       |
| GIS + GPS   | ✓        | ✓    | ✓       | ✓           | ✓       |
| Internet    | ✓        | ✓    | ✓       | ✓           | ✓       |
| Website     | ✓        | ✓    | ✓       | ✓           | ✓       |

## Phil-AHIS


Philippine Animal Health Information System

- SURVEILLANCE AND MONITORING SYSTEM** – This system which aims to monitor the health, welfare and control the animal health status information in the country. Details of 2 major animal health activities: the basic information regarding data input and disease monitoring. Includes a report on 2009 and the national roll-out last year 2010.
  - Surveillance** – animal health monitoring, water services, outbreak reports, anti-zoonosis, Animal Quarantine and Animal Identification.
  - Monitoring** – Vaccination Report, vaccine status, and Vaccination map.
- DISEASE MONITORING MONITORING SYSTEM** – linked to Quarantine Management System (QMS), includes all information related to animal movement with an local movement records (or international import/export).
- LABORATORY INFORMATION SYSTEM** – the Computerized Animal Disease Diagnostic Information System (CADDIS). The module includes tools for Serology, Bacteriology, Biochemistry, Clinical Pathology, US, Saliva, excretions.



## Phil-AHIS Capabilities

- Provide detailed information on animal health situation and other livestock-related activities at the grassroots level.
- Simple and fast report generation
- Reports are exportable to excel and can be manipulated in any format required by the users.
- Data generated from the system is GIS ready and can be easily mapped out for analysis.
- Validation of report can be easily done.
- Data can be exported and imported into Extensible Mark-up Language format (XML) and it lessens the margin of errors in encoding.
- Meet the reporting requirements of the DA, BAI and international organizations.



## PHIL-AHIS MILESTONES



- July 2009 – Pilot testing in 4 Regions**
  - Region I
  - Region III
  - Region VIII
  - Region XI
- August 2010 – National Roll-out**
  - Region CAR
  - Region II
  - Region IV-A
  - Region IV-B
  - Region V
  - Region VI
  - Region VII
  - Region IX
  - Region X
  - CARAGA
- July 2012 – Deployment in 2 Regions**
  - ARMM
  - Region XII

To date a total of 138 cities and municipalities installed Phil-AHIS

## Pilot Program on Standardized Reporting Forms

| Cambodia  | Lao PDR  |
|---|--|
| <ul style="list-style-type: none"> <li><b>First Pilot</b><br/>15 June - 15 Sep 2012</li> <li><b>Second Pilot</b><br/>1 Dec 2012 - 28 Feb 2013</li> <li><b>Reporting Forms</b> <ul style="list-style-type: none"> <li>✓ Animal Quarantine Movement</li> <li>✓ Disease Outbreak Investigation</li> <li>✓ Farm Profile</li> <li>✓ Slaughtered Animals</li> <li>✓ Animal Vaccination</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li><b>First Pilot</b><br/>1 Dec 2012 - 28 Feb 2013</li> <li><b>Reporting Forms</b> <ul style="list-style-type: none"> <li>✓ Animal Movement</li> <li>✓ Animal Health Monitoring</li> <li>✓ Farm Profile (agg)</li> <li>✓ Meat Consumption</li> </ul> </li> </ul> |

## Pilot Program on Standardized Reporting Forms

| Cambodia  | Lao PDR   |
|---|---|
| <ul style="list-style-type: none"> <li><b>Area Coverage</b> <ul style="list-style-type: none"> <li>✓ Battambang</li> <li>✓ Kampong Cham</li> <li>✓ Preah Vihear</li> <li>✓ Pursat</li> <li>✓ Svay Rieng</li> <li>✓ Takeo</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li><b>Area Coverage</b> <ul style="list-style-type: none"> <li>✓ Vientiane Capital</li> <li>✓ Salavan</li> <li>✓ Xayabouly</li> </ul> </li> </ul> |



## Prototype Cambodia Animal Production and Health Management Information System



## Commissioned Studies

### • Cambodia

- ✓ National Assessment of Cambodia's Main Crop and Fodder Resources (CeAgnd) – completed in Feb 2012
- ✓ Livestock Breeds/Genetic Resources (RUA)
- ✓ Mapping and Description of Duck Market Dynamics in Seven Provinces (NaVR) – progress report submitted in Feb 2013



## Commissioned Studies

### • Philippines

- ✓ Ecological factors related to seroprevalence of EPRV (CLSU) – July 2012
- ✓ Agricultural Land-use Planning in Nueva Ecija (NEUST) – Oct 2012
- ✓ Epidemiology of Fasciolosis including assessment of ecological factors, recommended control measures (CLSU) – Jan 2012
- ✓ Relative abundance of tabanids and prevalence of surra in selected barangays of Davao del Norte and Compostela Valley (DARFU XI, USM, CMU) – July 2012

## Commissioned Studies

### • Vietnam

- ✓ Data extraction of GSO 2011 Agricultural Survey – final report for peer review
- ✓ Conducting a Pig and Poultry Market Supply Chain Study in Quang Nam Province
- ✓ Review of culled animal disposal methods and regulations in Viet Nam (HUA) – final report for peer review
- ✓ Survey of veterinary services infrastructures



<http://www.eahmi.org/>



## 2013 Philippine ESRI GIS User Conference 22-23 Jan 2013

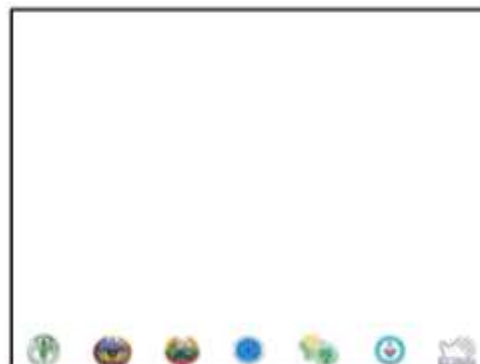




### EAHMI II CD



More than 100 documents, reports, posters, maps and presentations



Environmental Aerial Health Management Initiative for Enhanced Smallholder Production in Cambodia, Lao PDR, Myanmar, the Philippines and Vietnam  
EOPHAI/EAHMI

### GIS Capacity Building Secondment Programme

**National Focal Points Meeting  
Bangkok, Thailand  
12 March 2013**

### GIS Capacity Building

| Cambodia   | Lao PDR  | Vietnam  | Myanmar  |
|--|--|--|--|
| Refresher Training on Fundamentals GIS using ArcGIS Desktop 10.1 and SpatialGIS 8.0<br>14-17 February 2012 | Basic GIS/ GPS Training for 100 # GIS Officers<br>20-24 August 2012              | 2nd Basic Training Course on Data Input and GIS Mapping<br>14-17 May 2012      | Training of Vietnam GIS of GIS Software<br>04 October 2012   |
|  | Basic GIS/ GPS Training for 100 # GIS Officers (Bore Land)<br>20-24 October 2012 | Second Basic Training Course on Data Input and GIS Mapping<br>28-30 July 2012  | Basic Training on Microsoft Office Suite, GPS and GIS for Training Laboratory Officers<br>1-7 January 2012 |
|  |  | Third Basic Training Course on Data Input and GIS Mapping<br>27-29 August 2012 |  |
|  |  | Workshop on SpatialGIS Mapping<br>5-6 August 2012                              |  |

### Number of Personnel Trained

| Training Level | Cambodia                    | Lao PDR                     | Vietnam                      | Myanmar                                    |
|----------------|-----------------------------|-----------------------------|------------------------------|--|
| Basic          |                             | 10<br>(15 males, 3 females) | 76<br>(53 males, 23 females) | 21<br>(12 males, 9 females)                |
| Intermediate   | 22<br>(19 males, 3 females) | 19<br>(16 males, 3 females) | 24<br>(17 males, 7 females)  | 7<br>(all males)<br>(Training of Trainers) |

### Upcoming Trainings

| Cambodia | Lao PDR | Vietnam  | Myanmar |
|----------|---------|--|---------|
|          |         | Intermediate on SpatialGIS Mapping<br>March/April 2013 |         |

### Completed Training/Workshops - Philippines

- Funded and implemented by the Bureau of Animal Industry
- First Level Re-engagements (Region)**
  - Phil-AHIS Assessment and Strategic Planning
  - Data Transfer and Website Development
  - Orientation and Consultation
- Second Level Phil-AHIS Re-engagements (Province)**
- Third Level Phil-AHIS Re-engagements (Town/City)**
- Phil-AHIS Deployment in ARMM and Region XII**
  - 1st Level and 2nd Level Phil-AHIS Training
  - Basic Quantum GIS
  - 3rd Level Phil-AHIS Training
- Phil-AHIS National Planning Workshop**
- Phil-AHIS National Conference**
  - Phil-AHIS Best Practices Poster Competition

### Number of Personnel Trained - Philippines

|                                      | Number of Participants |                         |                         |
|--------------------------------------|------------------------|-------------------------|-------------------------|
|                                      | First Level (Region)   | Second Level (Province) | Third Level (Town/City) |
| Re-engagement                        |                        | 425                     | 660                     |
| Deployment in ARMM, XII              | 60                     |                         | 160                     |
| QuantumGIS in ARMM, XII              | 90                     |                         |                         |
| Phil-AHIS National Planning Workshop |                        |                         | 60                      |
| Phil-AHIS National Conference        |                        |                         | 200                     |

### EAHMI Secondment Programme

- To further strengthen the skills on GIS and GPS through knowledge sharing
- Focus on data management in Excel
  - Data cleaning, formatting, pivot table
- QuantumGIS mapping
- Field data collection using GPS
- Work on own datasets



### EAHMI Secondment Programme

- Mr. Vireak Chun**
  - GISDBM of EAHMI Cambodia
  - 14-27 October 2012
- Managing data in Excel
- Mapping livestock resources
- GIS analyses for disease control strategies
- GPS data collection



### EAHMI Secondment Programme



### EAHMI Secondment Programme

- Dr. Emerson Tapdasan**
  - Veterinarian at the Bohol Province Veterinary Office, Philippines
  - Trainee at Regional Field Epidemiology Training Program for Veterinarian (FETPV) in Thailand
  - 17 - 21 December 2012
- Describe the influence of environmental factors such as topography, rainfall, temperature, land cover, etc. to the reported cases of Hemorrhagic septicemia in Bohol
- Simple correlation analysis using Excel



### EAHMI Secondment Programme



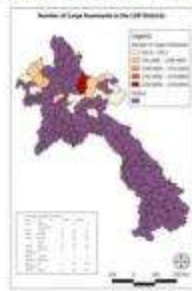
### EAHMI Secondment Programme



- Dr. Moua Yang
  - Project Officer of the Northern Region Sustainable through Livestock Development Project, Lao PDR
  - 28 January – 8 February 2013

- Data management in Excel
- Mapping livestock resources
- Basic GIS spatial analyses for disease control strategies
- GPS data collection

### EAHMI Secondment Programme

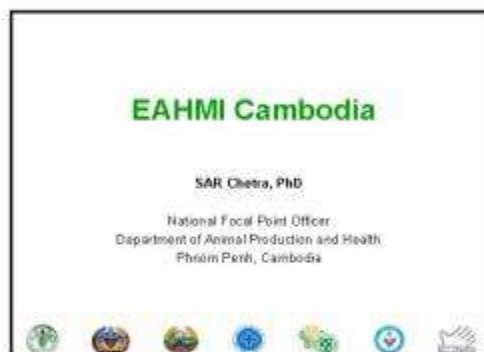


### EAHMI Secondment Programme

- Upcoming
  - EAHMI Vietnam
  - EAHMI Myanmar
  - EAHMI Philippines
  - ECTAD Lao PDR



## Annex 4c. Presentation of EAHMI Cambodia



## Staffing Complement (Cont.)

### LOA

- Royal University of Agriculture: Field studies on the distribution of animal breeds and disease syndromes, and herd composition and production status of cattle, buffaloes, pigs, goats and horses in Cambodia.
- CoAgrid: A National Assessment of Cambodia's Fodder Resources
- NaVRI: The Mapping and Description of Duck Markets and Duck Market Dynamics in 7 provinces.



## Capacity Training

| No. | Description                | Participants |   |       | Duration             |            | Location        |
|-----|----------------------------|--------------|---|-------|----------------------|------------|-----------------|
|     |                            | M            | F | Total | Date                 | Total Days |                 |
| 1   | HSB Data & Advanced Course | 10           | 3 | 13    | 08 Jul - 17 Feb 2012 | 34 Days    | ICB Phnom Penh  |
| 2   | HSB Data Access            | 10           | 3 | 13    | 10 Mar - 16 Apr 2012 | 19 Days    | ICB Phnom Penh  |
| 3   | CoAGrids Training          | 10           | 2 | 12    | 29 Mar - 02 Mar 2012 | 2 Days     | DAPI Phnom Penh |
| 4   | CoAGrids Training          | 7            | 3 | 10    | 15 Jul - 22 Sep 2012 | 68 Days    | PCDC Phnom Penh |
| 5   | Refresher CoAGrids         | 5            | 1 | 6     | 12-16 Oct 2012       | 5 Days     | DAPI Phnom Penh |



## Institutional Strengthening

### Pilot Activities

- The Seven provinces are conducting the Pilot Program on Standardizing Animal Health and Production Reporting Forms.

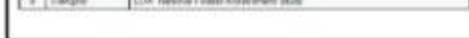
### DAPI Website

- AIDOC of MAFF is processing the establishment of website for Department of Animal Production and Health.



## Collaboration, Networking and Data Sharing

| No. | Organizations | Type of Collaboration  |
|-----|---------------|--|
| 1   | Office of DAH | The data on livestock population and others in year 2010 and 2011, forms of IT training  |
| 2   | NAHR, DAPI    | Joint data files with location of all IPAs submitted in poultry and reported cases in humans and the animal world in village level, the PPT files on current situation of IPAs in Cambodia |
| 3   | NAHR, DAPI    | Collaboration on available samples conducted in field projects with Cambodia   |
| 4   | DAH           | LOA Field studies on the distribution of water breeds and disease conditions, and herd composition and production status of cattle, buffalo, pigs, goats and horses in Cambodia            |
| 5   | MAFF          | 2010 General Population Census, Man, House, Water Rivers, Schools, Health Centers, and National Hospital, the data type and situation of GIS map system                                    |
| 6   | FAO           | GIS Training, The software of ArcGIS 9.3 in raster version and data file of use in GIS (DCA) and administrative boundary, human population in 2011 and 2009                                |
| 7   | DAPI, MAFF    | Sharing relevant data under MAFF, and attendance at DAH/DAPI training organized by DAH   |
| 8   | CoAgrid       | LOA National Fodder Assessment Study   |



## Work Plan: Jan 2012 - June 2013

|     | Activities  | Status (Output) | Expected Completion |
|-----|---|-----------------|---------------------|
|     | <b>Output 2: Capacity to analyze animal disease risk and develop and apply strategies on environmental animal health management on further strengthened and applied in selected priority areas in Cambodia.</b> |                 |                     |
| 2.1 | Formulate members of National Working Group to facilitate and coordinate in standardized data collection and reporting, and information system development  | Completed       |                     |
| 2.2 | Work workshop to design and plan deployment of computerized animal production and health data collection and reporting system   | Completed       |                     |
| 2.3 | Review and assist in the design and establishment of official DAPI website to be maintained by Department   | Not Completed   | March/April 2012    |
| 2.4 | Design standard forms for data collection and reporting system for risk analysis in selected provinces  | Completed       |                     |
| 2.5 | Work workshop to assess data collected from pilot study and identify priorities for further development and deployment of the reporting system  | Completed       |                     |



## Work Plan: Jan 2012-June 2013 (Cont.)

|      | Activities  | Status (Output) | Expected Completion                  |
|------|---|-----------------|--------------------------------------|
| 2.6  | Commission Royal University of Agriculture to review documents and related information about Cambodian livestock breeds and guidelines on management of animal genetic resources, and identify priority provinces and requirements for formulation of national strategies and action plans for management of animal genetic resources | Not Completed   | March 2012                           |
| 2.7  | Work workshop to present and discuss findings of Cambodia Animal Genetic Resources (AGR) review   | Not Completed   | April 2012 (No budget allocated yet) |
| 2.8  | Commission National Veterinary Research Institute to conduct genotypically oriented, duck market marketing field sampling study   | Not Completed   | March 2012                           |
| 2.9  | Work workshop to present and discuss findings of duck market and field sampling study, and recommend any follow up activities required  | Not Completed   | April 2012 (No budget allocated yet) |
| 2.10 | Work with Regional GEM and update geodatabase to include latest information on administrative boundaries, village names, rivers and coordinates, sample, husbandry records, and animal production related infrastructures   | Not Completed   | March 2012                           |



## Work Plan: Jan 2012-June 2013 (Cont.)

|      | Activities   | Status (Output) | Expected Completion |
|------|--|-----------------|---------------------|
| 2.2  | Conduct Advisory Group to review assessment and lesson learned, and identify activities for future action.   | Not completed   | March-April 2013    |
| 2.3  | Prepare and translate policy briefs, maps and poster material on EAHM for dissemination of subjects, including good practice poster/policy brief based on CLAHM/other study. | Completed       |                     |
| 2.10 | Prepare and implement EAHM integration plan.   | Not Completed   | April 2013          |
| 2.11 | Prepare summary report of achievements and present at WARDI and closing workshop.  | Not completed   | May 2013            |
| 2.12 | Monthly progress reports JAVROL quarterly monitoring, coordination and technical support visits.   | Completed       |                     |



## Challenges and Proposed Solutions

- Encountered some difficulties of piloting Standardizing Animal Health and Production Reporting Forms in 7 target provinces.
  - Training of staff is needed to further improve capacity esp. at district level in terms of data collection, data entry, reporting, GIS and GPS application.
  - Piloting of Standardized Animal Health and Production Reporting Forms in 7 target provinces should be continued and enhanced.
- Slow process for development of DAPH website.
  - Consider the LPC to PSA contract for AIDOC while AIDOC did not have the AIDOC bank account.
  - Once established, more training will be needed for DAPH staff in terms of data entry and uploading as well as website maintenance.



## EAHM Integration Plan into the National Veterinary Services

- Building of institutional and human resources capacity at DAPH and Provincial Office of Animal Production and Health, in veterinary services in terms of hardware and software application of GIS/GPS.
- Standardization of animal health and production reporting data.
- Establishment of national, geo-reference database of animal diseases and livestock resources linked to GIS.
- Development of Cambodian Animal Production and Health Information System
- Formulation of National Disease Control Strategy
- Development of National Livestock Development Strategy, Policy and Planning



## Meeting on Reporting Indicators Way Forward 12 March 2013

- Continue pilot activities in 7 provinces
- Training of focal persons of 7 provinces to improve filling up of data on the standardized reporting forms
- Refresher training course of district/provincial/DAPH staff on GPS/GIS (about 15 pax)
- Encourage partner provinces to submit outstanding data forms
- Summarize and analyze the data obtained from the reports
- Disseminate successful implementation of standardized reporting forms by certain provinces to other provinces



## Meeting on Reporting Indicators Way Forward 12 March 2013

- Establish DAPH website
- Preparation of posters for ASWGL meeting in May 2013
- Get internal approval from DAPH to follow up recommendations from ASWGL meeting
- Expand progressively the use of standardized reporting forms, GIS/GPS capacity building activities to the other 17 provinces
- Develop national animal production and health information system
- Develop paper on reporting indicators for Dissemination Workshop in Sep 2013



Thank you



## Annex 4d. Presentation of EAHMI Lao PDR



### Work Plan: Jan 2012 – June 2013

| Activities   | Status (Output)       | Expected Completion |
|--|-----------------------|---------------------|
| <b>Output 3: Capacity to analyse animal disease risk and develop and apply strategies on environmental animal health management are further strengthened and applied in selected priority areas in Lao PDR</b> |                       |                     |
| 3.1. Hold joint stakeholder and Task Force Workshop to identify TADs/contaminants by monitoring indicators   | Organized 04 Dec 2012 | Completed           |
| 3.2. Collaborate with VAVI Centre for Statistical and Information Systems (SIS) Agricultural Centre  |                       | Completed           |
| 3.3. Identify government needs and implement attachment plan   |                       | Completed           |
| 3.4. Identify further training needs, arrange plans and engage training  |                       | Completed           |
| 3.5. Collaborate in preparing National Atlas of Livestock Animal Resources   |                       | May 2013            |
| 3.6. Update geo-databases to include latest information on administrative, village names, roads and coordinates, people, and livestock resources   | Ongoing               | May 2013            |

### Work Plan: Jan 2012 – June 2013

| Activities  | Status (Output)                      | Expected Completion |
|---|--------------------------------------|---------------------|
| 6.1. Complete datasets on both 13 risk consumption estimates and live animal export/import figures from selected border crossing points, commercial/ferrous livestock capital   | Ongoing                              |                     |
| 6.2. Develop collaborative links with other stakeholders to further demonstrate geo-database applications, such as (FAO) Emergency Centre for Transboundary Animal Diseases (ECTAD) for mapping disease outbreaks and related projects to identify zones suitable for pig and goat production | Ongoing with CTA, FMD Korean project |                     |
| 6.2.1. Collaborate with WOMP PHS surveillance study   |                                      | Completed           |
| 6.2.2. Collaborate with OIE/FAO active surveillance monitoring study  |                                      | Completed           |
| 6.3. Prepare maps, poster and map/pictorial books on Environmental Animal Health Management   | Ongoing                              |                     |
| 6.4. Prepare and implement integration and custom database for EAHMI/FAO/EC   |                                      | May 2013            |

### Work Plan: Jan 2012 – June 2013

| Activities  | Status (Output) | Expected Completion |
|---|-----------------|---------------------|
| 8.10. Follow up on initial contacts with Zoonosis Institute, Veterinary and National Agriculture and Forestry Research Institute to explore potential for collaboration |                 | Completed           |
| 8.11. Monitor progress reports, Quarterly monitoring, coordination and follow up support visits   | Ongoing         |                     |
| 8.12. Prepare summary report of achievements and progress at AHWI and Closing Workshop  |                 | April 2013          |

- ### Solutions to address challenges with Pilot Program on Standardized Reporting Forms
- Continue to implement 4 key indicator forms in the 3 provinces
  - ✓ EAHMI-FAO to discuss with NFP how to use the forms
  - ✓ NFP to teach provinces how to use the forms (refresher course)
  - ✓ Encourage partner provinces to submit outstanding data forms
  - ✓ Implement pilot program from 1 March-15 May

- ### Solutions to address challenges with Pilot Program on Standardized Reporting Forms
- Follow up recommendations of Reporting Indicators Meeting
  - ✓ Discuss with DG of DLF to order 3 provinces to use the form, later to expand to other provinces
  - ✓ Summarize and analyze the data obtained from the reports
  - ✓ Develop paper on reporting indicators for Dissemination Workshop in Sep 2013

- ### EAHMI Integration Plan into the National Veterinary Services
- EAHMI Lao PDR office
  - Results of collaborative studies
  - Pilot program on standardized reporting forms
  - GIS/GPS capacity building
  - Collaborate with other livestock projects, such as Korean FMD project, ADB Northern Region Sustainable Livelihoods through Livestock Development and HPAI project



## Annex 4e. Presentation of EAHMI Philippines



**Environmental Animal Health Management Initiative  
for Enhanced Smallholder Production**

Website: <http://www.eahmi.org>



**Cambodia, Laos, Myanmar, Philippines and Viet Nam**

**Sub-regional Environmental Animal Health  
Management Initiative for Enhanced  
Smallholder Production in South-East Asia  
(GCP-RAS-244-ITA)**

**National Focal Points Meeting  
Bangkok, Thailand**


**13-14 March 2013**



**EAHMI Philippines**


**Rubina O. Cresencia**

National Focal Point Officer  
Bureau of Animal Industry  
Quezon City, Philippines



**Presentation Outline**

- Brief Introduction of EAHMI Philippines Staffing Complement
- Country Work Plan Activities Indicating Status and Expected Time of Completion
- Challenges and Proposed Solutions
- Plans of Integrating EAHMI into the National Veterinary Services



**EAHMI Philippines Staff**


EAHMI Project Coordination Office at the Bureau of Animal Industry, Visayas Avenue, Quezon City, Philippines

- National Focal Point
- Regional Focal Point
- Regional GIS Manager
- System Administrator  
NTE 30 June 2012
- Information Systems Consultant  
NTE 31 Oct 2012
- Administrative/Finance Assistant
- Project Driver




**Work Plan: Jan 2012 – June 2013**

| Activity  | Status (Outputs)                       | Expected Completion |
|---|--|---------------------|
| Output 1: Capacity to analyse animal disease risk and develop environmental animal health management strategies are fully integrated as core elements in animal production and health services in the Philippines |  |                     |
| 1.1 Conduct assessment of National Focal Point Officer and project staff  |  | Completed           |
| 1.2 Identify immediate needs and prepare procurement plan   |  | Completed           |
| 1.3 Prepare and submit proposal - signed from Activity 1.1  |  | Completed           |
| 1.4 Follow up on outstanding TORs to ensure that final systems are submitted for review   |  | Completed           |
| 1.5 Finalize and submit National Risk of Philippines Farm Animal Resources  | Finalized version submitted for review | Completed           |
| 1.6 Develop final work plan and prepare implementation and financial training plan  |  | Completed           |




### Work Plan: Jan 2012 – June 2013

| Activities  | Status (Outputs)   | Expected Completion |
|---|--|---------------------|
| 2.1 Review current status of RWQM reporting and feasibility to analyze disease risk, and prepare time-bound plan for further consultation and development | Review the status of RWQM reporting and feasibility to analyze disease risk, and prepare time-bound plan for further consultation and development                      |                     |
| 2.2 Implement RWQM development plan   | 2012 RWQM Strategy/Planning document released in Dec 2012<br>Finalized RWQM reporting guidelines<br>Implement RWQM reporting system<br>Implement RWQM reporting system | December 2012       |




### Work Plan: Jan 2012 – June 2013

| Activities  | Status (Outputs)  | Expected Completion |
|---|---|---------------------|
| 3.1 Draft environmental animal health management strategies based on findings of previously commissioned State Health Virus, Febrile, Typh, Leishmaniasis and other related studies, and prepare time-bound plan for their integration to animal production and health services | Finalized environmental animal health management strategies based on findings of previously commissioned State Health Virus, Febrile, Typh, Leishmaniasis and other related studies, and prepare time-bound plan for their integration to animal production and health services |                     |




### Work Plan: Jan 2012 – June 2013

| Activities  | Status (Outputs)  | Expected Completion |
|---|---|---------------------|
| 3.2 Draft environmental animal health management strategies based on findings of previously commissioned State Health Virus, Febrile, Typh, Leishmaniasis and other related studies, and prepare time-bound plan for their integration to animal production and health services | Finalized environmental animal health management strategies based on findings of previously commissioned State Health Virus, Febrile, Typh, Leishmaniasis and other related studies, and prepare time-bound plan for their integration to animal production and health services |                     |




### Work Plan: Jan 2012 – June 2013

| Activities  | Status (Outputs)   | Expected Completion |
|---|--|---------------------|
| 3.3 Implement SARM integration plan   | Finalized SARM integration plan<br>Implement SARM integration plan<br>Implement SARM integration plan<br>Implement SARM integration plan |                     |
| 3.4 Launch stakeholder workshop portfolio on Sustainable Livestock Production and Health Management | Finalized stakeholder workshop portfolio on Sustainable Livestock Production and Health Management                                       | December 2012       |
| 3.5 Prepare summary report of achievements and present at RWQM and Disease Workshop                 | Finalized summary report of achievements and present at RWQM and Disease Workshop  | January 2013        |




### Work Plan: Jan 2012 – June 2013

| Activities  | Status (Outputs)  | Expected Completion |
|---|---|---------------------|
| 4.1 Develop Technical Scientific and policy dialogues and network for information exchange and dissemination with the participating countries on established with the Philippines, taking a leadership role and the further use of environmental animal health management strategies in animal production and health services | Finalized Technical Scientific and policy dialogues and network for information exchange and dissemination with the participating countries on established with the Philippines, taking a leadership role and the further use of environmental animal health management strategies in animal production and health services |                     |
| 4.2 Prepare plan to develop and strengthen regional SARM network to ensure sustainability of project gains for environment by regional organizations  | Finalized plan to develop and strengthen regional SARM network to ensure sustainability of project gains for environment by regional organizations  |                     |
| 4.3 Refine and update content of SARM Website to include activities of additional countries   | Finalized refined and updated content of SARM Website to include activities of additional countries   |                     |
| 4.4 Prepare conceptual study budget of next phase to submit   | Finalized prepared conceptual study budget of next phase to submit  |                     |



### Work Plan: Jan 2012 – June 2013

| Activities   | Status (Outputs)  | Expected Completion |
|--|---|---------------------|
| 4.5 Prepare technical SARM Newsletter in June 2012, December 2012 and June 2013, and distribute to at least 100 high ranking officials and stakeholders in related production and health | Finalized prepared technical SARM Newsletter in June 2012, December 2012 and June 2013, and distribute to at least 100 high ranking officials and stakeholders in related production and health |                     |
| 4.6 Prepare policy studies and scientific publications of SARM desktop and field activities  | Finalized prepared policy studies and scientific publications of SARM desktop and field activities  |                     |



### Work Plan: Jan 2012 – June 2013

| Activity  | Output (Object)   | Expected Completion |
|---|---|---------------------|
| 23. Integrate main menu (M2/M3) of PHIAHS into development of the Philippine Animal Health Information System   | PHIAHS Main Menu (M2/M3) integrated into PHIAHS system  | June 2012           |
| 24. Provide - at least 3 national technical sub-regional (2012) workshop held and related to provide or follow after sub-regional sub-regional  | 3 national technical sub-regional (2012) workshop held and related to provide or follow after sub-regional sub-regional | June 2012           |
| 25. Identify the requirements and resources to organize both national and regional, prepare and implement strategy campaign for regional Development Animal Health Information System | Requirements and resources identified for regional Development Animal Health Information System                         | June 2012           |



### Work Plan: Jan 2012 – June 2013

| Activity  | Output (Object)  | Expected Completion |
|---|--|---------------------|
| 26. Update PHIAHS database and information reported and user feedback reports and operational reports participate in the online decision-making process of the PHIAHS database  | PHIAHS database updated and information reported and user feedback reports and operational reports participate in the online decision-making process of the PHIAHS database  | June 2012           |
| 27. Provide technical assistance through government intervention  | Technical assistance provided through government intervention  | June 2012           |
| 28. Prepare PHIAHS database and information reported and user feedback reports and operational reports participate in the online decision-making process of the PHIAHS database | PHIAHS database prepared and information reported and user feedback reports and operational reports participate in the online decision-making process of the PHIAHS database | June 2012           |
| 29. Prepare documents, manuals and implementation of integrated information systems of PHIAHS   | Documents, manuals and implementation of integrated information systems of PHIAHS prepared   | June 2012           |



### Challenges and Proposed Solutions

- Lack of permanent staff who can be assigned full-time in PHIAHS for maintenance of the system and for capacity training of regional/provincial staff  
BAI will address issue on "freest filling" of permanent staff and will elevate matter to Office of Secretary of Department of Agriculture
- Further training of staff on GIS applications  
BAI staff has been identified for secondment on GIS mapping and applications



### EAHM Integration Plan into the National Veterinary Services

- Maintenance of national EAHM office
  - human resource, structural organization of EAHM (Under Animal Health Division)
  - inclusion in budget 2014
- Regional Role – continue support for secondment programs
- National Reporting System using PHIAHS
  - Linkage with overall Information Management System (IMS), Animal Health Information Communication (AHIC)



### EAHM Integration Plan into the National Veterinary Services

- Results of commissioned studies are used to develop strategies for disease control and management programmes (Surral)
  - information generated from the EAHM work on some status in the Philippines starting from 2009 to present propelled the project team and the BAI Director to discuss ways on how to integrate this into a strategy
  - workshop was convened in October 2011 attended by stakeholders from the national veterinary services, Department of Agriculture Regional Field Units and Regional Animal Disease Diagnostic Laboratories, Philippine Caribbean Center and the academe.



### EAHM Integration Plan into the National Veterinary Services

- Results of commissioned studies are used to develop strategies for disease control and management programmes (Surral)
  - Purpose of the workshop was to develop a strategy on how to bring all of the earlier initiatives down on how to better control and manage curable
  - Strategy document to control and manage Surra was approved on 5 March 2011.
  - Activity was a result of the EAHM process where findings/results allowed the government now to use this information and develop a strategy for Surra control and management. By doing so, the use of EAHM has been integrated into the veterinary services planning and implementation, an end goal of the project.



### EAHM Integration Plan into the National Veterinary Services

- Results of commissioned studies are used to develop strategies for disease control and management programme (Fasciolosis)
  - ✓ Recommendations for fasciolosis control in smallholder production will be developed into IEC materials by IRAI in collaboration with LSU for dissemination to farmers.



### EAHM Integration Plan into the National Veterinary Services

- Other EAHM strategies being streamlined in the national veterinary services planning and implementation:
  - ✓ GIS/GPS applications used by the Animal Health Division in its disease monitoring and surveillance activities, production of Animal Health Yearbook
  - ✓ GIS/GPS applications utilized for mapping vaccination program, rabies incidence reports, establishment of Rabies Free Zones in connection with Rabies Free Philippines 2020
  - ✓ Mapping of native animal genetic resources for conservation of native animal species.



## Annex 4f. Presentation of EAHMI Myanmar



**Work Plan: Jan 2012 – June 2013**

| Activities  | Status (Outputs) | Expected Completion |
|---|------------------|---------------------|
| Gap in Capacity for database management, analysis and application of GIS to implement environmental animal health management strategies in Myanmar; are developed and strengthened. |                  |                     |
| 2.1 Support focal point officer for EAHMI with a LBVD   | Completed        |                     |
| 2.2 Host inception workshop for stakeholders  | Completed        |                     |
| 2.3 Develop work plan agreement   | Completed        |                     |
| 2.4 Develop and update the database   | Completed        |                     |
| 2.5 Access training needs, identify training priorities and prepare training plan   |                  | Mid-June 2013       |
| 2.6 Review proposal data availability, including administrative structure, land use, environmental conditions and livestock production, diseases                                    |                  | Mid-June 2013       |
| 2.7 Link EAHMI/FAO strength collaboration in GIS training and support for Agriculture Census Mapping  | Completed        |                     |

### Work Plan: Jan 2012 – June 2013

| Activities   | Status (Outputs) | Expected Completion        |
|--|------------------|----------------------------|
| A.3. Invite University of Veterinary Science to submit their Livestock Maps for validation using GISMS   |                  | Start-up of work to finish |
| A.3. EAHM Collaboration with the Livestock and Land Resource Department (LNRD) to share livestock and quality data from their Agricultural Census                      |                  | Start of Nov. 2012         |
| Group Agri. Census geo-database and reports included maps of livestock and quality data from all 180 Tsp. This need. Maps for each province to be prepared for display |                  | Middle of June 2013        |
| A.10. Smallholder Dairy Field Survey: select areas, identify key data to be collected; design and pre-test survey form/questionnaire                                   |                  | Start of Nov. 2012         |
| Conduct survey, compile and analyze data, and produce report and posters   |                  | End of May 2013            |



### Work Plan: Jan 2012 – June 2013

| Activities  | Status (Outputs) | Expected Completion |
|---|------------------|---------------------|
| A.11. Conduct a validation workshop to present livestock and poultry production map from Agricultural Census and drafting of Dairy Survey |                  | Early June 2012     |
| A.12. Prepare an integration and sustainability plan to incorporate and maintain the EAHM approach and activities with the QVD            |                  | End of June 2012    |
| A.13. Prepare summary report of achievements and present at AGM and Closing Meeting   |                  | End of June 2013    |
| A.14. Monthly accomplishment reports, Quarterly monitoring, coordination and technical support visits                                     |                  | Monthly             |



### Challenges and Proposed Solutions

- It is a big challenge collect animal census from SLRD and to validate those to fit in ground situation. Official data are usually released at least after two years.
- First draft data of animal census for the whole country will be collected from the township level vets from LBVD and it needs to ask them to collect data as much as they can.



### EAHM Integration Plan into the National Veterinary Services

- Experience of EAHM project will extend to conduct the mapping of livestock census of targeted 15 townships and then it will scale out to the other townships.
- Training workshop(s) will be organized by the support of LBVD(I) to understand the use of GIS and GPS for the vets who will be involving in the extended works apart from the 15 townships



### EAHM Integration Plan into the National Veterinary Services

- Experience of EAHM project will scale out to conduct the mapping of prevalence of common livestock diseases for the future control of the disease.
- It should include the updated status of those disease with the support of the township vets.



### Way Forward Activities

- Dairy cattle profiling in 15 Tsp
- Livestock data (village tract) entry and mapping (15 Tsp)
- Livestock data from LBVD (2012-13) - editing and mapping (Tsp, Country)
- Data collection (village tract) for whole country (TVOs, LBVD) and mapping
- Animal census from SLRD and data entry and mapping
- Refreshment GPS/GIS training (TVOs)



## Annex 4g. Presentation of EAHMI Vietnam



**Environmental Animal Health Management Initiative  
for Enhanced Smallholder Production**

Website: <http://www.eahmi.org>



**Cambodia, Laos, Myanmar, Philippines and Viet Nam**

**Sub-regional Environmental Animal Health  
Management Initiative for Enhanced  
Smallholder Production in South-East Asia  
(GCP-RAS-244-ITA)**

**National Focal Points Meeting  
Bangkok, Thailand**


**13-14 March 2013**



**EAHMI Vietnam**

**Phan Quang Minh**

National Focal Point Officer  
Department of Animal Health  
Hanoi, Vietnam



**Presentation Outline**

- Brief Introduction of EAHMI Vietnam Staffing Complement
- Country Work Plan Activities Indicating Status and Expected Time of Completion
- Challenges and Proposed Solutions
- Plans of Integrating EAHMI into the National Veterinary Services




**EAHMI Vietnam  
Staffing Complement**

- EAHMI Viet Nam, located in 15/78 Gianghong, Phuong Mai, Dongda, Hanoi, Department of Animal Health, Epidemiology Division
- Staff:
  - National Focal Point Officer
  - Administration/Technical Assistant
  - GIS Manager (changed on December 2012)
- Funding through FAO Viet Nam
- Supervision and monitoring by FAORAP and Project Coordinator Office, Manila, Philippines



**Work Plan: Jan 2012 – June 2013**

| Activities   | Status (Outputs)                                | Expected Completion        |
|--|---|----------------------------|
| Output 1: Capacity for database management, analysis and application of GIS to implement environmental animal health management strategies in Viet Nam are developed and strengthened.   |   |                            |
| 1.1. Recruitment and transfer activities for consultants   | Met on 27 March 2012                            |                            |
| 1.2. Terms and conditions of contract  | Completed                                       |                            |
| 1.3. Database development plan   | Completed                                       |                            |
| 1.4. Capacity building, introduction to data analysis and GIS mapping – term   | Completed in May, July, Aug 2012                | Completed                  |
| 1.5. Capacity building, GIS data analysis and GIS mapping – term/term  |   | Completed on 28 March 2013 |
| 1.6. GIS capacity building of advisory Group to review progress and update plan  | Regular 5 consultations with DGL, HAD, BVA, HAD |                            |
| 1.7. Review progress/termly progress report for GIS data analysis, transfer and update skills to consult regular visits to try (DGL and BVA) and update skills to consult regular visits to try (DGL and BVA) and update skills to consult regular visits to try (DGL and BVA) |   | Completed in June 2013     |



### Work Plan: Jan 2012 – June 2013

| Activities   | Status (Outputs) | Expected Completion |
|--|------------------|---------------------|
| 2.2. Interact/collaborate with relevant stakeholders on a common coordination  | Ongoing          | April 2012          |
| 2.3.1. Collection of data from Government Statistical Office (GSO), 2012 agricultural census and village located coordinates   | For year review  | Completed           |
| 2.3.2. Market supply chain survey in selected provinces: Quang Nam, Hoi An, Ho Chi Minh, Quang Nam and Dong Thap               | Ongoing          | April 2013          |
| 2.3.3. National survey of veterinary check points, infrastructure and disease free farm locations                              | Ongoing          | April 2013          |
| 2.3.4. Commission and complete desk study, review of current animal inspection and regulations in Viet Nam                     | For year review  | Completed           |
| 2.4. Prepare an integration and sustainability plan to incorporate activities into the DAH program and national activities/DAH | Ongoing          | May 2013            |
| 2.5.1. Working on compilation reports  | Ongoing          |                     |
| 2.5.2. Quarterly monitoring, coordination and technical support  | Ongoing          |                     |
| 2.5.3. Prepare quarterly report of achievements and present at AHMI and Steering Committee                                     | Ongoing          |                     |



### Challenges and proposed solutions

- Intermediate training courses should focus on guiding trainees with advance tools inside QGIS software for spatial data analysis including deeper database structure, map projection and map composing.

**Solution:** Liaise and collaborate with Regional GIS Manager in harmonizing GIS Training Manual and developing a regional geodatabase for EAHMI



### Challenges and proposed solutions

- National survey of veterinary check points, infrastructure and disease free farm locations
    - Underestimation of scope of work and resources needed. Required information on live animal markets (species), abattoirs, (types) cannot be collected and data accuracy is doubtful in the given LCA period. Longer period and more funding needed.
    - HPAI, PRRS, FMD and Rabies outbreaks occurred in northern, Central and Southern Vietnam, therefore veterinarians of 7 DAHs and 30 DAHs worked overtime.
    - Insufficient time within the LCA period to get DFP coordinators.
- Solutions:** Key veterinarians of 7 RAHs collaborated in collecting required information.



### Challenges and proposed solutions

- LCA for market supply chain survey in Quang Nam province and Prof. Linh of Hue University of Agriculture and Forestry
  - Challenge:** Quang Nam suffered heavy PRRS outbreaks in 36 communes of 7 districts and 2 human death cases (Streptococcus suis)
  - Solution:** Prof. Linh advised to submit progress report to LTO and RFPD and to complete the survey soon.
- Market supply chain survey in Quang Binh, Haiphong, Dongthap provinces was not implemented due to budget constraints.



### Plans of integrating EAHMI Vietnam into the National Veterinary Services

- It is essential to maintain close collaborative links between DAH and other government offices/institutions to ensure that DAH can access to the most detailed, up to date and reliable data available.
- Establishment of data sharing links between DAH and other government offices/institutions (General Statistic Office (GSO), Department of Livestock and Production (DLP).



### Plans of integrating EAHMI Vietnam into the National Veterinary Services

- Staff of the EAHMI Project Office have been working in DAH, improvement on human resources of DAH.
- Maintenance of project equipment through DAH
- Key veterinarians at the Regional and Provincial level are able to apply QGIS in their work including spatial analysis of disease outbreaks.





### Work Plan: Jan 2012 – June 2013

| Activities  | Status (Outputs) | Expected Completion |
|---|------------------|---------------------|
| 2.0. Health collaborations, collect data on multiple outbreaks  | Ongoing          | April 2013          |
| 2.0.1 Collection of data from Government Statistical Office (GSO) 2010 agricultural survey and village location coordinates | For joint review | Completed           |
| 2.0.2 Market supply chain survey in selected provinces: Quang Nam, Ha Dong, Quang Nam and Quang Tri                         | Ongoing          | April 2013          |
| 2.0.3 National survey of veterinary check points, infrastructure and disease free declarations                              | Ongoing          | April 2013          |
| 2.0.4 Commission and complete desk study review of related animal disease practices and regulations in Viet Nam             | For joint review | Completed           |
| 2.0.5 Prepare an integration and consolidation plan to incorporate and integrate the EAHMI approach and activities with DAH | Ongoing          | May 2013            |
| 2.1. Identify a compilation reports, Quarterly monitoring, coordination and technical support (MIS)                         | Ongoing          |                     |
| 2.1.1 Prepare a summary report of achievements and present at EAHMI and Quang Nam/Quang Tri                                 | Ongoing          |                     |



### Challenges and proposed solutions

- Intermediate training courses should focus on guiding trainees with advance tools inside QGIS software for spatial data analysis including deeper database structure, map projection and map composing.

**Solution:** Liaise and collaborate with Regional GIS Manager in harmonizing GIS Training Manual and developing a regional geodatabase for EAHMI



### Challenges and proposed solutions

- National survey of veterinary check points, infrastructure and disease free farm locations

- Indetermination of scope of work and resources needed. Required information on live animal markets (open air), abattoirs (quarries) needed to be collected and summarized/consolidated at the given LCA period. Longer period and more funding needed.
- HPAI, PRRS, FMD and Rabies outbreaks occurred in Northern, Central and Southern Vietnam. Iterative refinements of 7 RANCs and SCRs worked steadily.
- Insufficient time within the LCA period to get GPS coordinates

**Solutions:** Key veterinarians of 7 RANCs collaborated in collecting required information.



### Challenges and proposed solutions

- LCA for market supply chain survey in Quang Nam province and Prof. Linh of Hue University of Agriculture and Forestry

**Challenge:** Quang Nam suffered heavy PRRS outbreaks in 36 communes of 7 districts and 2 human death cases (Streptococcus suis)

**Solution:** Prof. Linh advised to submit progress report to LTD and RPPO and to complete the survey soon

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### Plans of integrating EAHMI Vietnam into the National Veterinary Services

- Staff of the EAHMI Project Office have been working in DAH, improvement on human resources of DAH.
- Maintenance of project equipment through DAH
- Key veterinarians at the Regional and Provincial level are able to apply QGIS in their work including spatial analysis of disease outbreaks.



### Plans of integrating EAHMI Vietnam into the National Veterinary Services

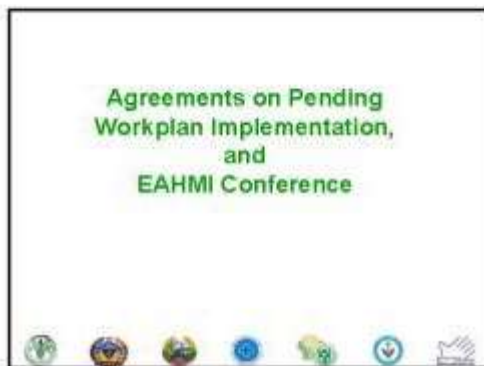
- Results of the commissioned study on culled animal disposal regulations will benefit the Department of Animal Health.  
DAH can issue official technical guidelines/regulations on the disposal of animals and animal products when animal disease outbreaks occurred in a localized area.



**Thank You for  
your attention !**



## Annex 4h. Agreements on pending workplan implementation and EAHMI conference



### Pending Activities Cambodia cont'd

- 6 papers to be prepared as posters for ASWGL meeting and published for EAHMI Conference
  - ✓ Biodigesters
  - ✓ Modeling and Mapping Fasciola Risk in Cambodia
  - ✓ Cambodian animal genetic resources review
  - ✓ Cambodian fodder resources
  - ✓ Duck Market Dynamics
  - ✓ Reporting Indicators



### Pending Activities Lao PDR

- Pilot program on reporting indicators
- Update/share data on regional database
- National Atlas of Laos Animal Resources- to complete atlas data from CSI; later publication
- 2<sup>nd</sup> Lao PDR Secondee to work on HPAI outbreaks data
- ROK FMD Project – mapping of pig markets, slaughterhouses



### Pending Activities Lao PDR (cont'd)

- Telefood Project – mapping of pig and goat production zones
  - ✓ get list of project sites from FAO Laos
  - ✓ map telefood production zones
  - ✓ provide added value to FAO by mapping if Telefood project sites are suitable sites for pig and goat production
- Coordinate with CARE to find out if Good Practice Notes on Animal Husbandry of Laos has been translated
  - ✓ if not yet translated, to continue coordination with Deputy Chief of Animal Husbandry Section of DLP for translation.



### Pending Activities Lao PDR cont'd

- 5 papers to be prepared as posters for ASWGL meeting and published for EAHMI Conference
  - ✓ Reporting indicators
  - ✓ Biogas digesters
  - ✓ Good Practice Notes on Animal Husbandry
  - ✓ National Atlas of Laos Animal Resources- data in ready-to-publish format
  - ✓ NRSLODP Secondee Outputs



### Pending Activities Myanmar

- Smallholder dairy cattle survey
- Refresher training course on GIS/GPS/Excel
- Collaboration with SLRD for release of 2011 agricultural census data for mapping and data entry
- Update/share data on regional database



### Pending Activities Regional Base/Philippines

- Update/share data on regional database
- Convene stakeholder workshop to identify priorities for EAHM implementation
- Newsletter issue Nov-Dec 2012 and June 2013
- Booth display for ASWGL Meeting (May 2013) and EAHMI Conference (Sep. 2013) by May
- Multimedia CD/DVD on EAHMI Phase III outputs/accomplishments by June
- Multimedia CD/DVD on PhilAHS development



## Pending Activities Regional Base/Philippines

- 8 papers to be prepared as posters for ASWGL meeting and published for EAHMI Conference
  - ✓ Use of EAHMI for waste strategy
  - ✓ Relative abundance of ticks and prevalence of ticks in selected herds of Field and Monte and Compostela Valley (DARRM, IFM, CMU), etc studies in Phase 1, II
  - ✓ Epidemiology of Tick-borne, elimination of ecological factors, recommended control measures (LNU)
  - ✓ Ecological factors leading to seroprevalence of DMV (ICU/UTM)
  - ✓ Dissemination of app data in PHILMIS
  - ✓ National Atlas of Philippine Farm Animal Resources
  - ✓ Agricultural Land use Planning in Isabela (EAS/PELUST)



## Pending Activities Vietnam

- Update regional database
- Market supply chain survey in Quang Nam
- National survey of veterinary check points, infrastructure and disease free farm locations



## Pending Activities Vietnam

- 4 papers to be prepared as posters for ASWGL meeting and published for EAHMI Conference
  - ✓ Data extraction of GSO 2011 Agricultural Survey
  - ✓ Conducting a Pig and Poultry Market Supply Chain Study in Quang Nam Province
  - ✓ Review of culled animal disposal methods and regulations in Viet Nam (HUA)
  - ✓ Survey of veterinary services infrastructure



## What can be maintained by the Regional Base

- Website
- GIS support (through FAO assistance)
- Networking
- Secondment programme
- Maintain project subregional database
- Demonstrate applications of PhiAHIS



## What can be maintained by EAHMI Member Countries

- Cambodia, Lao PDR:
  - Continue implementing the reporting indicators on animal health and production
  - Website maintenance by Cambodia
  - Sharing data to the subregional database
- Myanmar:
  - GIS applications on animal health
  - Sharing data to the subregional database
- Vietnam:
  - GIS applications on animal health
  - Sharing data to the subregional database



## ASWGL Meeting (20-24 May 2013)

- FAO presentation on EAHMI to focus on reporting indicators
  - ✓ Cambodia and Laos to move for ASEAN support so it can be tabled in the next ASWGL Meeting, 2014
- EAHMI Regional Staff to coordinate booth display
- Posters from EAHMI member countries for booth display



### Gender and Livestock Training June 2013

- ❑ Three day training
- ❑ Venue: Bangkok
- ❑ Participants:
  - EAHM member countries, Thailand, OIE (?)
  - should be currently designing, implementing, monitoring livestock-related programmes and projects.



### EAHMI Conference Manila, Philippines Sep 2013

- Internal meeting among EAHMI member countries
- Theme: Using EAHM Strategies for Decision-Making
- Papers to be presented by member countries
- Open to all
- Online registration for delegates (free registration)
- Network registered members
- May be organized every 2 years



### EAHMI Conference Manila, Philippines Sep 2013

- Same posters used in ASWGL meeting to be displayed in the EAHMI Conference
- Prepare publishable formats or templates for paper submissions
- Template for paper presentation to be circulated to delegates and downloadable from the website



### EAHMI Conference Manila, Philippines Sep 2013)

- Collaborators/Consultants who did commissioned studies will be invited as Resource Speakers
- Other organizations (outside of EAHMI) to be invited:
  - ✓ AusAID
  - ✓ USAID
  - ✓ JICA
  - ✓ ASEAN
  - ✓ ADB
  - ✓ APHCA
  - ✓ OIE
  - ✓ Italian Cooperation

