

**12th Minute Report of
Special MRV Technical Team Meeting**

Date: Thursday and Friday, July 25-26, 2014

Venue: Independence Hotel, Sihanouk Ville

| <i>Meeting Objective</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|-------------------------------------|--|--|----------------------|------|---------|---------------------------|------|----------------|----------------------|------|-----------------|--------------------|------|-------------------|--------------|------|-----------|-------------------|------|-------------|---------------|------|----------|------------|------|---------------|-------------------|------|-----------|------------|------|----------------|--|------|--------------|
| <ol style="list-style-type: none"> 1. Review of results of Land Cover Classification (LCC) training, review and discussion additional proposals for submission to REDD+ taskforce (Eg. MMU, Forest definition, etc.) 2. Review and contribution to the assessment of existing institutional capacity and capacity needs, and identification of roles and arrangement in National Forest Monitoring System (NFMS) 3. Drafting national appropriate NFMS 4. Others | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Process and Outputs</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p><i>“Review of results of Land Cover Classification training”, by Leng Chivin and Emiliano Stefanini</i></p> | <p>The training on “Land Cover Classification (LCC) was conducted for 3 days from 21-23 July, 2014 at Raffles Le Royal Hotel, Phnom Penh.</p> <ul style="list-style-type: none"> ▪ Key objective: to build capacity of technical government officers on Forest Cover and Land Cover Classification for the process of the REDD+ programme in Cambodia. ▪ 25 attendees from: FA, General Department of Agriculture (GDA) of Ministry of Agriculture, Forestry and Fishery (MAFF), FiA, MoE, MLUPC, Cambodia National Mekong Committee (CNMC), JICA, and FAO. <p>The training introduced the following items:</p> <ul style="list-style-type: none"> ▪ The installation of software programmes: Quantum GIS, Google Earth, LCCS3, and Java. ▪ Boundary drawing on Land Use on Google Earth ▪ Method of Forest Land Cover Classification and Land Cover Development in LCCS3 programme. <p>The outputs of the training:</p> <ul style="list-style-type: none"> ▪ Trainees were divided into 6 small groups according to specific institutions they are working for. They practiced the introduced software and the group was invited to present the group outputs to the whole group. ▪ The classes were actively discussed among technical groups according to their institutions (6 different groups were divided: FA (2groups), FiA (1group), CNMC+JICA (1group), GDA (1group), MLUPC (1group) and MoE (1 group). 21 classes were proposed: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">Forest Cover and Land Cover Classes</th> </tr> </thead> <tbody> <tr> <td style="width: 33%;">(1) Evergreen Forest</td> <td style="width: 33%;">(11)</td> <td style="width: 33%;">Wetland</td> </tr> <tr> <td>(2) Semi-Evergreen Forest</td> <td>(12)</td> <td>Oil Plantation</td> </tr> <tr> <td>(3) Deciduous Forest</td> <td>(13)</td> <td>Tree Plantation</td> </tr> <tr> <td>(4) Flooded Forest</td> <td>(14)</td> <td>Rubber Plantation</td> </tr> <tr> <td>(5) Mangrove</td> <td>(15)</td> <td>Grassland</td> </tr> <tr> <td>(6) Rear Mangrove</td> <td>(16)</td> <td>Paddy field</td> </tr> <tr> <td>(7) Pine Tree</td> <td>(17)</td> <td>Cropland</td> </tr> <tr> <td>(8) Bamboo</td> <td>(18)</td> <td>Urban/Buildup</td> </tr> <tr> <td>(9) Regrow Forest</td> <td>(19)</td> <td>Bare land</td> </tr> <tr> <td>(10) Water</td> <td>(20)</td> <td>Village Garden</td> </tr> <tr> <td></td> <td>(21)</td> <td>Cloud/Shadow</td> </tr> </tbody> </table> | Forest Cover and Land Cover Classes | | | (1) Evergreen Forest | (11) | Wetland | (2) Semi-Evergreen Forest | (12) | Oil Plantation | (3) Deciduous Forest | (13) | Tree Plantation | (4) Flooded Forest | (14) | Rubber Plantation | (5) Mangrove | (15) | Grassland | (6) Rear Mangrove | (16) | Paddy field | (7) Pine Tree | (17) | Cropland | (8) Bamboo | (18) | Urban/Buildup | (9) Regrow Forest | (19) | Bare land | (10) Water | (20) | Village Garden | | (21) | Cloud/Shadow |
| Forest Cover and Land Cover Classes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (1) Evergreen Forest | (11) | Wetland | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (2) Semi-Evergreen Forest | (12) | Oil Plantation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (3) Deciduous Forest | (13) | Tree Plantation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (4) Flooded Forest | (14) | Rubber Plantation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (5) Mangrove | (15) | Grassland | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (6) Rear Mangrove | (16) | Paddy field | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (7) Pine Tree | (17) | Cropland | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (8) Bamboo | (18) | Urban/Buildup | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (9) Regrow Forest | (19) | Bare land | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (10) Water | (20) | Village Garden | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (21) | Cloud/Shadow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|--|---|
| | <p>As a result of the discussion of the MRV Team meeting decided the following:</p> <ul style="list-style-type: none"> ▪ Proposed for deleting 2 classes: Cloud/Shadow and Village Garden ▪ Proposed for adding 2 additional sub classes in Paddy Field: (1) Rain Fed and Irrigation) ▪ Proposed for an additional thorough study on 4 classes: <ul style="list-style-type: none"> ✓ Pine tree: should classify and create sub-classes of natural and planted pine tree. ✓ Regrow forest: should discuss further with technical experts about the classifying classes before requesting for approval for use. ✓ Bare Land: should consider coastal areas and mountainous areas with rocks. ✓ Wet Land: should include both areas along Mekong River and Tonle Sap. ▪ Feedback on the training: The training went well for the three days. The participants found the training very useful for their work; however, the training’s period was found a bit short in order to fully capture or understand the LCCS programme and essentially put it into practice for map production. Participants had proposed to have similar training if possible with longer period provided especially on the practical exercises. |
| <p>“A series of GHG Inventory Training” for MRV/REL TT members, by Uy Kamal</p> | <p>FAO with General Department of Administration for Nature Conservation and Protection (GDANCP) of MoE is planning to conduct 3 series of trainings of GHG inventory under 3 purposes:</p> <ul style="list-style-type: none"> ➢ Bring the general introduction on Climate Change to MRV/REL Technical Team (TT) ➢ MRV/REL TT is able to understand more about the contents and process of the GHG Inventory reporting preparation. ➢ Improve the quality and quantity of each relevant institution in practicing the GHG Inventory where its source comes from Land Use, Land Use Change and Forestry (LULUCF). <p>The dates and venues of trainings were discussed as following:</p> <ol style="list-style-type: none"> (1) GHG Training 1: 11-12th, August, 2014 at Kampong Cham province. (2) GHG Training 2: 1-2nd, September, 2014 at Battambang Province. (3) GHG Training 3: 1-2nd, October, 2014, at Rattanakiri Province. <p><i>*Note: In case, there will be any changes in regard to dates and venues, the MRV/REL TT will be contacted.</i></p> |
| <p>“Capacity Needs Assessment Survey”, by Mathieu Van Rijn and Seak Sophat</p> | <p>Introduced the list of assessment survey for the study on capacity assessment needs for the officers in the GHG Inventory’s related institutions.</p> <p>The questionnaire survey required for some revision appropriate for MRV’s work. The technical team has decided that Mr. Seak Sophat (RUPP) is in charge of questionnaire revision and it is to work with Mr. Mathieu Van Rijn (FAO) and to send to the team members again in the later meeting. The main purposes are:</p> <ul style="list-style-type: none"> ▪ To assess existing institutional capacity and capacity needs of each involved ministry/institution against AFOLU GHG inventory, ▪ To identify possible roles and institutional arrangements to meet AFOLU GHG inventory and MRV requirements, ▪ To identify recent available information/data, this will contribute to data catalog development for GHG Inventory. |

| | |
|--|--|
| | |
| <i>“Draft on National Forest Monitoring System (NFMS)”, Ono Shigeru</i> | <p>The draft on NFMS was developed based on the one reference documents of UNREDD published in 2013. This NFMS has 2 functions: (1) Monitoring and (2) Measuring, Reporting and Verification (MRV).</p> <ul style="list-style-type: none"> ▪ <i>Functioning as Monitoring:</i> to verify and monitor various testing in the REDD+ phase II and to monitor on policy’s support with some measures in practicing phase III (note: 3 phases in REDD+ processes: (1) preparing (2) testing (3) practicing that Cambodia is currently working on the 1st phase). ▪ <i>Functioning as MRV:</i> requires a working Land Management System using Satellite Images, National Forest Inventory and GHG Inventory. |
| <i>Recap and Next step</i> | |
| <i>Capacity Needs Assessment Survey</i> | Sophat and Mathieu: to work together on finalizing the questionnaire and to provide the updates to the team when necessary. |
| <i>GHG trainings</i> | Kamal: to follow-up the team members if any changes on the venues and dates. |
| <i>Invitation for other relevant institution</i> | Chivin: to invite GDA/MAFF to be part of the MRV TT. |
| <i>Next MRV Meeting</i> | The 13 th MRV TT meeting will be held again on 5 th August, 2014 in Phnom Penh to discuss the progress of the MRV/REL TT prior to the 8 th Programme Board Executive meeting (PEB) this upcoming 7 th August, 2014. |

Photos of the Meeting



©Figure 1: Photo of Special MRV TT Meeting 24-26 July 2014 at Independence Hotel, Sihanouk Ville



©Figure 2: Photo of Special MRV TT Meeting 24-26 July 2014 at Independence Hotel, Sihanouk Ville

Meeting Agenda

| Date | Activity | Location |
|---|---|--|
| Day 1 (24 July 2014): | Individual travel from Phnom Penh to Sihanouk ville | Hotel check in at Independence hotel (accommodations are arranged for MRV TT members) |
| Day 2 (25 July 2014) <i>Full day</i> | <p>Morning:</p> <p>8:30—Registration 9:00—Welcome remarks</p> <p>9:15— Review of results of Land Cover Classification training, review and discussion additional proposals for submission to REDD+ taskforce (Eg. MMU, Forest definition, etc.) <i>(Coffee Break 10:30)</i></p> <p>11:30 – Lunch</p> <p>Afternoon:</p> <p>13:30 – Review and contribution to the assessment of existing institutional capacity and capacity needs, and identification of roles and arrangement in NFMS <i>(Coffee Break 15:00)</i></p> <p>15:15— Review and contribution to the assessment of existing institutional capacity and capacity needs, and identification of roles and arrangement in NFMS</p> <p>17:00—Wrap-up 18:00 – Dinner</p> | <p>Independence Hotel</p> <p>Kheang Seangly Leng Chivin</p> <p>Leng Chivin and Kamal Uy</p> <p>Independence Hotel</p> <p>Mathieu van Rijn and Seak Sophat (RUPP)</p> |
| Day 3 (26 July 2014) <i>Half day</i> | <p>Morning:</p> <p>7:30 – Breakfast 7:45—Registration 8:00 – 11:30 Drafting national appropriate National Forest Monitoring System <i>(Coffee break: 10:00)</i></p> <p>11:40—Wrap-up 12:00 – Lunch</p> <p>Individual travel back to Phnom Penh</p> | <p>Independence Hotel</p> <p>Mathieu van Rijn, Ono Shigueru and Leng Chivin</p> <p>Hotel check out</p> |

List of Participants

| No. | Name | Position | Organization | Phone Number | Email |
|------------|-----------------------|---|---------------------|---------------------|--|
| 1 | Leng Chivin | DD-DFC | FA | 012 392 120 | lengchivin@yahoo.com |
| 2 | Seab Kimsrim | Officer | FA | 017 541 415 | Kimsrim71@gmail.com |
| 3 | Hout Naborey | Officer | FA | 077 388 488 | huotnaborey@gmail.com |
| 4 | Uy Kamal | DD-GDANCP | MoE | 012 283 956 | kamaluy@hotmail.com |
| 5 | Sokha Sophorn | DD-DAF | MoE | 012 226 232 | sophorn_pa@yahoo.com |
| 6 | Seng Leang | Officer -DFiC | FiA | 093 300 600 | leangsng@gmail.com |
| 7 | Pen Vuthdavann | Officer -DTSF | MLUPC | 089 500 025 | pvuthdavannmrv@gmail.com |
| 8 | Sreng Sopheap | DD- DGLA | MoI | 012 879 396 | srengsopheap@yahoo.com |
| 9 | Heang Bora | DD-DET | MME | 012 888 476 | heangbora@yahoo.com |
| 10 | Kim Soben | Head of CAES | RUA | 012 724 686 | kimsoben@gmail.com |
| 11 | Seak Sophat | Head of DNRM&D | RUPP | 016 506 88 | seak.sophat@rupp.edu.kh |
| 12 | Nok Ven | IPs representative- CIYA | CG | 096 9999 266 | nokven.ipunciya@gmail.com |
| 13 | Mathieu Van Rijn | Forestry Officer | FAO/UNREDD | 017 852 368 | mathieu.vanrijn@fao.org |
| 14 | Kheang Seangly | National Programme Assistant | FAO/UNREDD | 012 249 534 | seangly.kheang@fao.org |
| 15 | Emiliano Stefanini | Consultant | FAO | 097 274 8204 | emiliano.stefanini@outlook.it |
| 16 | Ing Paulratanak | Deputy chief of forest demarcation office | FA | | |