Joint Crediting Mechanism towards Sustainable Low-Carbon Society Development in Laos

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Contents

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- Future prospects and challenges of JCM projects through 3E Nexus initiative
Major Sectors:
Agriculture (14.4%)
LUCF (83.3%)
Energy (2.0%)
Waste (0.3%)
Industrial Products (0.1%)
Japanese program to facilitate JCM/BOCM

<table>
<thead>
<tr>
<th>JFY2011</th>
<th>JFY2012</th>
<th>JFY2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Government consultation</td>
<td>Formalization of JCM/BOCM and start it</td>
<td>BOCM/JCM Operation</td>
</tr>
<tr>
<td>Feasibility Studies</td>
<td>MRV Model Projects</td>
<td>JCM/BOCM Model Projects</td>
</tr>
<tr>
<td>Explore potential JCM/BOCM projects and develop MRV</td>
<td>Apply and finalize MRV to projects in operation</td>
<td>Improve JCM/BOCM design and start JCM/BOCM operation</td>
</tr>
</tbody>
</table>
Japan and Lao PDR signed the bilateral document for the Joint Crediting Mechanisms (JCM) on 7th August 2013.

**JAPAN**
- Leading low carbon technologies, etc, and implementation of mitigation actions
- MRV Methodologies will be developed by the Joint Committee
- Used to achieve Japan’s emission reduction target

**Lao PDR**
- JCM Projects
- MRV
- GHG emission reductions/removals

**Credits**
Cooperation Framework for the JCM Project Finding and NAMAs Capacity Building Cooperation Programme

MONRE
- Designation/Advice
- Recommendation

The Climate Change Working Group
- Secretariat (DDMCC)
- base study/secretariat function

Lao Organizations
- DDMCC (Support on the JCM project development/NAMAs development)
- Consultant
- Related organization

MOEJ
- Recommendation
- Designation/Advice/Finance

Japan JCM/NAMA Support Team (base study/secretariat function)
- OECC (Secretariat & Support)
- Experts (Consultants/technology owners)
- Technical Advices/Training/Finance

Source: Government of Japan (2014)
JCM Scheme

**Japan**
- **Government**
  - Issuance of credits
  - Request issuance of credits
- **Project Participants**
  - Implementation & monitoring projects

**Host**
- **Government**
  - Issuance of credits
  - Request registration of projects
- **Project Participants**
  - Implementation & monitoring projects

**Joint Committee (Secretariat)**
- Both sides communication
- Conduct policy consultations
- Reports issuance of credits

**Third Party entities (TPE)**
- Validation of projects
- Verification of amount of GHG emission reductions or removals
- Submit PDD/monitoring report
- Inform results of validation/verification

**Both**
- Notify registration of projects
- Notify issuance of credits
- Submit PDD/monitoring report
- Inform results of validation/verification

*Slide 4 of “Recent Development of The Joint Crediting Mechanism (JCM)”, October 2014, MOEJ, Government of Japan*
Feasibility studies JCM in Lao PDR

Ministry of the Environment, Japan (MOEJ)
- Biomass Utilization in Cement Kiln (FY2014)
- REDD+ in Luang Prabang Province (FY2014)
- City-to-City Cooperation between Vientiane and Kyoto (FY 2014)
- Promotion of use of electric Vehicles in Vientiane Capital (FY 2013)

Ministry of Economy, Trade and Industry (METI)
- Energy saving at beer plant (FY2013)
- REDD+ (FY2014)
- Energy efficiency container date center (FY2014)
JCM projects in Laos PDR 2012, 2013, and 2014

2012 (Transportation; Waste Management)

2013 (Transportation)

2014 (Land use management; Biomass utilization)

Diagram showing demonstration and feasibility for each year.
Biomass Utilization in Cement Kiln

"By utilizing agricultural biomass in Lao PDR as an alternative fuel to cement manufacturing process, a large CO2 emission reductions can be achieved, as well as saving coal resources."

REDD+ in Luang Prabang Province

"This study aims to monitor the effectiveness of REDD+ activities and quantify the amount of GHG emissions reductions by REDD+ activities in a part of Phonxay District, Luang Prabang Province (30,000 ha), a location with severe deforestation and forest degradation mainly due to shifting cultivation.

REDD+ activities will be implemented based on JICA’s activities (e.g. introduction of alternative livelihoods) and will be promoted by participatory methods with local people.”
Implementation of Domestic Network

Network Consortium (NC)

- Establish a one stop service/domestic network consortium (DNC) in each partner country.
- Capacity building activities such as a training and workshops on advanced technologies for low carbon development.
- Develop a common platform to provide educational materials and exchange knowledge.

One Stop Service (National Focal Person)

- IR3S Secretariat (Head Quarters)
- Academicians NUOL
- Government officials from different ministries
- Business companies, local communities etc.,
### NFP Workshop outcomes

**Number of Participants from different ministries and university**

<table>
<thead>
<tr>
<th>Ministry/Institute</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DALaM</td>
<td>Department of Agricultural Land Management</td>
</tr>
<tr>
<td>ALUPC</td>
<td>Agricultural Land Use Planning Centre/DALaM</td>
</tr>
<tr>
<td>CA-E C</td>
<td>Conservation Agriculture and Ecological Centre/DALaM</td>
</tr>
<tr>
<td>NAFRI</td>
<td>National Agricultural and Forestry Research Institute</td>
</tr>
<tr>
<td>PRC/NAFRI</td>
<td>Policy Research Centre/NAFRI</td>
</tr>
<tr>
<td>P-C D/NAFRI</td>
<td>Planning and Cooperation Division/NAFRI</td>
</tr>
<tr>
<td>FRC/NAFRI</td>
<td>Forestry Research Centre/NAFRI</td>
</tr>
<tr>
<td>DOF</td>
<td>Department of Forestry</td>
</tr>
<tr>
<td>REDD+ office/DOF</td>
<td>Reduce Emission from Deforestation and Degradation</td>
</tr>
<tr>
<td>NUOL</td>
<td>National University of Laos</td>
</tr>
<tr>
<td>FOF/NUOL</td>
<td>Faculty of Forestry sciences/NUOL</td>
</tr>
<tr>
<td>FOA/NUOL</td>
<td>Faculty of Agriculture/NUOL</td>
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<tr>
<td>FOE/NUOL</td>
<td>Faculty of Environment Sciences/NUOL</td>
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<tr>
<td>MOE</td>
<td>Ministry of Education</td>
</tr>
<tr>
<td>MOST</td>
<td>Ministry of Sciences and Technology</td>
</tr>
<tr>
<td>DTI/MOST</td>
<td>Department of Technology and Innovative/MOST</td>
</tr>
<tr>
<td>REMI/MOST</td>
<td>Recycling Energy Management Institute/MOST</td>
</tr>
<tr>
<td>MONRE</td>
<td>Ministry of Natural Resources and Environment</td>
</tr>
<tr>
<td>DDMCC/MONRE</td>
<td>Department of Disaster Management and Climate Change/MONRE</td>
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<tr>
<td>PCP/MONRE</td>
<td>Pollution Control Department/MONRE</td>
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<tr>
<td>DEQP/MONRE</td>
<td>Department of Extension of Quality Environment</td>
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<tr>
<td>MOIC</td>
<td>Ministry of Industry and Commerce</td>
</tr>
<tr>
<td>DOIH/ MOIC</td>
<td>Department of Industry and Handicraft/MOIC</td>
</tr>
<tr>
<td>MOPH</td>
<td>Ministry of Public Health</td>
</tr>
<tr>
<td>HHPD/MOPH</td>
<td>Hygiene and Health Promotion Department/MOPH</td>
</tr>
</tbody>
</table>

**Total Participants: 29**

![Q & A Session](image1.png)

![Group Photo](image2.png)
Invited Speakers and their presentations

Joint Crediting Mechanism Towards Sustainable Low Carbon Development or REDD+ in Lao PDR by Dr. Savanh Chanthakoummane
1. Policy Towards Low-Carbon in Lao PDR;
2. National REDD+ Framework and Donors Supports to REDD+ in Lao PDR;
3. Progress of REDD+ Activities by Components;
4. Challenges of REDD+

Status of Green growth low-carbon development and Joint credit mechanism in Lao PDR by Dr. Chanhsamone Phongoudome
1. International convention activities
2. Initiative of Green Growth Low Carbon
3. Initiative of Joint Credit Mechanism
4. Future strategies

3E Nexus Initiatives and Joint Crediting Mechanism (JCM) projects for Sustainable Low Carbon Development in Asia-Pacific Region by Dr. Geetha Mohan
1. Introduction of 3E Nexus initiatives
2. Role of One Stop of Service
3. Implementation of 3E Nexus NFP network
4. Joint Crediting Mechanism
5. Statistics of JCM Projects
6. Introduction of MRV and JCM methodology
Outcomes of the workshop

- Need to expand the domestic network
- Invite more resource persons from business persons and other stakeholders includes community persons, NGO’s etc.,
- More capacity building activities required to promote JCM and 3E Nexus initiatives.
- Identify key possibility JCM projects under different sectors (energy, forestry and waste etc.,) through Domestic Network
Future prospects and challenges of JCM projects in Laos

◦ Expand the research network across the local, regional and national level.
◦ Enhance the capacity building activities: e.g. materials, training programmes on MRV methodologies.
◦ Identify the more possible JCM projects through the domestic network.
◦ Try to develop a pilot projects with support of funding agencies and host country.
Thank you for your kind attention