Potential sector and approach to formulate JCM projects

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Current JCM projects in all the partner countries

- Saving electricity from the grid is major type of JCM project
- Saving fossil fuel at boiler or vehicle has also potential.
GHG emissions in Lao PDR

- Major source of GHG emission is from LULUCF sector
- In energy sector, transport and manufacturing have a large share of the emission

Source: UNFCCC. Greenhouse Gas Inventory Data - Detailed data by Party. Indonesia.
http://unfccc.int/DetailedByParty/Event.do?event=go#
http://unfccc.int/resource/docs/natc/laonc2.pdf

Better to focus on fossil fuel substitution instead of electricity saving

- Most of electricity are supplied by hydro power
  - CO₂ emission reduction by renewable energies would be small or zero.
- Electricity is imported from Thailand
  - Installation of electricity vehicle should be carefully considered.
### Potential JCM projects in Lao PDR

#### Fossil fuel saving for vehicle

<table>
<thead>
<tr>
<th>Country</th>
<th>Project Description</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viet Nam</td>
<td>Eco-Driving by Utilizing Digital Tachograph System</td>
<td>JCM registered</td>
</tr>
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</table>

#### Fossil fuel saving at boiler

<table>
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<tbody>
<tr>
<td>Mongolia</td>
<td>Centralization of heat supply system by installation of high-efficiency Heat Only Boilers in Bornuur soum Project</td>
<td>JCM registered</td>
</tr>
</tbody>
</table>

Source: GEC (2015) progress of JCM financing Programme and Feasibility Studies for JCM Projects by MOEJ

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### Potential JCM projects in Lao PDR

#### Biogas utilization

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<td>Viet Nam</td>
<td>Anaerobic Digestion of Organic Waste for Biogas Utilization at Market</td>
<td>JCM model project</td>
</tr>
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Source: GEC (2015) progress of JCM financing Programme and Feasibility Studies for JCM Projects by MOEJ
Steps to develop JCM projects

- Develop business idea
- Find Japanese partner
- Develop Consortium
- Apply JCM financial scheme and develop methodology
- Secure cash in flow other than JCM, or
- Find another financial source for the rest of 50% of initial cost (JCM covers maximum 50% of initial cost)
- Japanese partner submits application for JCM financial scheme

Find more information

- Contact address
  - Akihisa Kuriyama: kuriyama@iges.or.jp
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- Website for JCM
  - Official JCM Webpage will provide all the rules and guidelines as well as the JCM project information: https://www.jcm.go.jp/
  - Outlines of each JCM Model Project and feasibility study are summarized at GEC website http://gec.jp/jcm/
  - JCM booklet summarizes the JCM Model Project, PS, and FS http://gec.jp/jcm/publications/index.html