Council Study

Progress Update: Formulation of Development Scenarios
- Agriculture and Land Use Change

5th RTWG Meeting
Siem Reap, Cambodia
13-14 August 2015

Contents

• Overall Progress
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• Required Data and Data Collection
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OVERALL PROGRESS

Overall Progress as of 31 Jul 2015

- All required experts on board, except international consultant
- Work plan for the formulation of sub-scenarios developed
- Technical working session conducted, 3 sub-scenarios discussed and agreed
- Guidance and template for data collection finalized
- Data collection in progress
SCENARIO FORMULATION AND DEVELOPMENT

Detailed progress
Technical Working Session
on 9 July 2015

Discussed and agreed on:
(1) Overall context and guidance for formulation of sub-scenario development
(2) Approach, methodology and proposed for sub-scenarios development
(3) Data requirements and handling data gaps
(4) Detailed schedule
In general, Planned Development Scenario 2040 (PDS 2040) in Agriculture and Land Use Change thematic theme, covers development of Agriculture and Land Use Change that would be in place by 2040.

Scenarios Formulation and Development

Sub-sectors are considered:
• Rain-fed Agriculture
• Surface Mining
• Forestry

Note:
• Irrigated Agriculture: Irrigation Thematic area
• Urban area development: Domestic and industrial water use Thematic area
Scenarios Formulation and Development (cont.)

Characteristics of plans available in MCs

- Existing planning achievement varies amongst MCs and from a sector to other.
- Some plans have been developed in detail and received commitment from concerned agencies to implement.
- Some other plans are still general, can be existed in a format of a vision or development directions for the future.
- Some plans to 2020; other to 2030, 2040

Plans can be classified into 2 groups:

- “Specific plans”:
  (i) plan is under-implementation,
  (ii) plan has got commitment to implement, (iii) plan has specific proposal and (iv) plan is considered as a high priority to implement
- “General plans” which indicate for example vision, development direction.

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Factors impact to implementation

From planning to reality.........

- Demography
- Technology
- Changes in national policies and priority
- Socio-Economic Condition
- Global context

LMB in 2040

How 2040 PDS would be implemented?

- Sub 1: Low
- Sub 2: Medium
- Sub 3: High

Scope of Sub-Scenarios

Deviation of Implementation

- Continuous trend to develop
- All General plans
- All specific plans

2040 PDS

Sub 1
Sub 2
Sub 3
The 3 sub-scenarios

Sub-scenarios 1: Low level of PDS implementation achievement: only all “specific” plans are implemented. They include (i) plan is under-implementation, (ii) plan has got commitment to implement, (iii) plan has specific proposal and (iv) plan is considered as a high priority to implement.

The 3 sub-scenarios (cont.)

Sub-scenarios 2: Medium level of PDS implementation achievement: all specific plans + General plans (all vision/development directions) are implemented (= PDS 2040)

Sub-scenarios 3: High level of PDS implementation achievement: all specific plans + general plans (all visions/development directions) + continued trend to develop are implemented.
Methods to formulate sub-scenarios

• Apply concept of PDS and sub-scenarios
• Participatory approach with an approval from MCs for formulated scenarios
• Data collection: available secondary data

REQUIRED DATA AND DATA COLLECTION
What datasets are Required?

1. **Early development 2007;** - Area and spatial distribution, characteristics on rainfed agriculture, forest and surface mining in 2007

2. **Definite development 2020;** - Area and spatial distribution, characteristics on rainfed agriculture, forest and surface mining in 2020

3. **Current situation;** - Demography, Socio-economic condition and national development policies, Data on area, production, technology, water use and land suitability in each sector: Rain-fed agriculture, Surface mining, Forest

4. **Plans 2040** (including specific plans and other such as visions and development directions)- Land use plan (map and report): area and spatial distribution of each sector development, Sector development plans on rainfed agriculture, forestry, and surface mining: area, spatial allocation, production, technology, water use, investment...

Data collection

Template of data collection developed in Excel sheet for national consultants:

1. Land use specifications

2. Mining development and their environmental impacts

(see in excel file)

Guideline for data collection in Word file.
# SCHEDULE

## Schedule (1)

<table>
<thead>
<tr>
<th>No.</th>
<th>Activity</th>
<th>Lead</th>
<th>Due Date</th>
<th>Note</th>
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<tbody>
<tr>
<td>1</td>
<td>Develop work plan</td>
<td>AIP Team. Consult with CS Coordinator</td>
<td>12/06/2015</td>
<td></td>
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<tr>
<td>2</td>
<td>Technical working session on scenarios development for Agriculture and Land use Change thematic theme</td>
<td>Regional AIP Team</td>
<td>09/07/2015</td>
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<tr>
<td>3</td>
<td>3.1 Revise data template, guideline in detail for data collection, addressing comments at meeting 3.2 Send data template, guideline to consultants to get final comments 3.2 Send available data at MRCS to consultants</td>
<td>Regional AIP Team</td>
<td>14/07/2015</td>
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<tr>
<td>4</td>
<td>Finilize data template and guideline, send to consultants</td>
<td>Regional AIP Team</td>
<td>18/07/2015</td>
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<tr>
<td>5</td>
<td>Conduct data collection</td>
<td>National consultants</td>
<td>18-28/07/2015</td>
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<td>6</td>
<td>Conduct data analysis, identify data gap and develop sub-scenarios for each MC</td>
<td>National consultants and AIP technical support</td>
<td>28/07-15/08/2015</td>
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<td>7</td>
<td>Progress report to 5th RTWG</td>
<td>AIP Team</td>
<td>Early Aug 2015</td>
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# Schedule (2)

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<td>8</td>
<td>National consultation meeting for seeking comments on sub-scenarios</td>
<td>NMCs</td>
<td>TBD: Sep – Oct. 2015</td>
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<td>9</td>
<td>Conduct final data collection</td>
<td>National consultants</td>
<td>01-20/09/2015</td>
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<td>10</td>
<td>Improve sub-scenarios and submit scenarios development documents</td>
<td>National consultants</td>
<td>01-23/09/2015</td>
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<td>11</td>
<td>Approval of sub-scenarios</td>
<td>AIP Team and NMCs</td>
<td>23-30/09/2015</td>
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<td>12</td>
<td>Submit scenarios development documents to CS Coordinator</td>
<td>AIP Team</td>
<td>30/09-01/10/2015</td>
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<td>13</td>
<td>Discuss for Approval</td>
<td>6th RTWG Meeting – Date to be Determined</td>
<td>Include Scenarios/Sub-scenarios Data/Map Specification Document</td>
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Challenges

- Required data collected in time; availability, accessibility,
- Time constraint
- Limited human resources at AIP

In Summary

- Implementation Progress: Steady
- Implementation: Data collection in progress
The RTWG is specifically requested to:

• Take note of the progress
• Provide feedback and agree if possible with the proposed development scenarios
• Provide feedback and guidance on the approach for determining the level of development and management for each of the proposed thematic sub-scenarios

Thank you