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Council Study

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



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

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OVERALL PROGRESS

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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

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SCENARIO FORMULATION AND DEVELOPMENT

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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

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PDS 2040 in Agriculture and Land Use Change

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.

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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**

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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

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Scenarios Formulation and Development (cont.)



Plans can be classified into 2 groups:

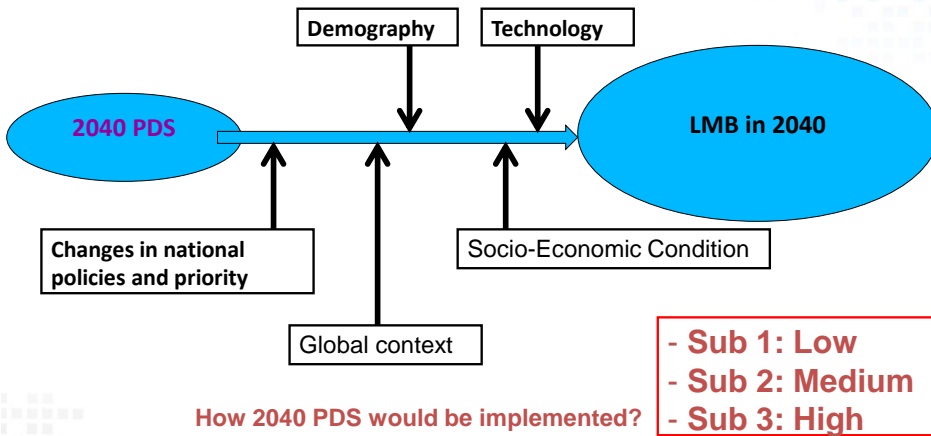
- **“Specific plans”**: (i) plan is under-implementation, (ii) plan has got commitment to implement, (iii) plan has specific proposal and (iv) plan is considered as a high priority to implement
- **“General plans”** which indicate for example vision, development direction.

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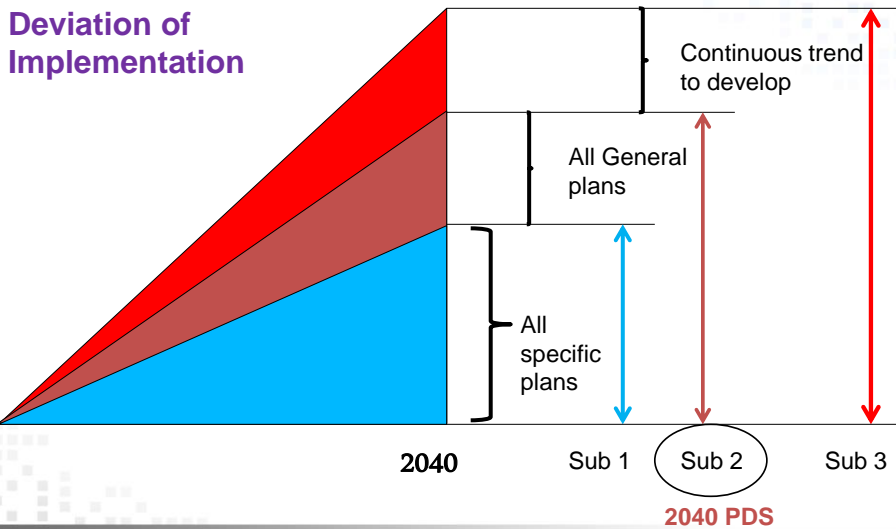
Factors impact to implementation



From planning to reality.....



Scope of Sub-Scenarios



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.

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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.

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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

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REQUIRED DATA AND DATA COLLECTION

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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...

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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.

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SCHEDULE

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Schedule (1)



No.	Activity	Lead	Due Date	Note
1	Develop work plan	AIP Team. Consult with CS Coordinator	12/06/2015	
2	Technical working session on scenarios development for Agriculture and Land use Change thematic theme	Regional AIP Team	09/07/2015	
3	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	Regional AIP Team	14/07/2015	
4	Finalize data template and guideline, send to consultants	Regional AIP Team	18/07/2015	
5	Conduct data collection	National consultants	18-28/07/2015	
6	Conduct data analysis, identify data gap and develop sub-scenarios for each MC	National consultants and AIP technical support	28/07-15/08/2015	
7	Progress report to 5 th RTWG	AIP Team	Early Aug 2015	

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Schedule (2)



No.	Activity	Lead	Due Date	Note
8	National consultation meeting for seeking comments on sub-scenarios	NMCs	TBD: Sep – Oct. 2015	
9	Conduct final data collection	National consultants	01-20/09/2015	
10	Improve sub-scenarios and submit scenarios development documents	National consultants	01-23/09/2015	
11	Approval of sub-scenarios	AIP Team and NMCs	23-30/09/2015	
12	Submit scenarios development documents to CS Coordinator	AIP Team	30/09-01/10/2015	
13	Discuss for Approval		6 th RTWG Meeting – Date to be Determined	Include Scenarios/Sub-scenarios Data/Map Specification Document

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CHALLENGES

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Challenges

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



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In Summary

- Implementation Progress : Steady
- Implementation: Data collection in progress



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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

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Thank you



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