

Draft Meeting Summary Notes
Internal Kickoff Meeting: Formulation of Development Scenarios
13 May 2015
MRC Office of the Secretariat in Vientiane

Action Items:

- CS Coordinator to draft schedule for the formulation of development scenarios and discuss during the CS Coordinating Group Meeting on 14 May 2015
- CS Coordinator to prepare draft TOR for the Review Team of the Development Scenarios. Tasks will include consolidating (including organizing data in a central repository) and reviewing formulated scenarios of the Thematic Teams and working with the modeling team to incorporate these scenarios in the models. Dr. Phan volunteered to have CCAI host the data.
- Thematic Teams prepare detailed work plan for the formulation of development scenarios for their respective thematic teams (First draft due on 31 May 2015)
- CS Coordinator to revise report structure and outline according to comments received during the meeting. Include teams responsible for the different reports.
- CS Coordinator to revise data inventory document according to comments received during the meeting.
- Thematic Teams to expedite the recruitment of the technical lead and national consultants to help with the formulation of development scenarios

Session Summary Notes

Overall Context and Guidance

1. Process for formulating development scenarios will involve the following steps:
 - a. Follow-up internal working meetings (CS-wide and team-specific)
 - b. Small technical work group meetings with MCs
 - c. National consultation (all teams combined)
 - d. 5th RTWG Meeting
2. Target date of completing formulation of development scenarios by September 2015 is difficult to meet for some of the thematic areas (i.e., Agriculture and Land Use change since it is a new thematic area).
3. Scope of the formulation includes:
 - a. Cumulative scenarios (2007 Early Development, 2020 Definite Future Scenario, 2040 Planned Development)

- b. Thematic sub-scenarios which represent plausible thematic-specific deviations (uncertainties) from the 2040 Planned Development Scenario)
4. Technical leads and national consultants of the thematic teams should be contracted soon to be able to assist in the formulation of development scenarios
5. More detailed guidance was suggested to be made available to the Thematic Teams first before the Thematic Teams can do the work. However, detailed guidance in addition to the overall guidance is not available and will have to be developed by the teams working together. It was noted that detailed guidance may not be needed since the process while it takes time is straightforward as will be presented in the next presentation (BDP2 Experience in Formulating Development Scenarios).

BDP2 Experience in Formulating Development Scenarios

1. The formulation of scenarios during BDP2 took about 1.5 years. However, this process is expected to be faster for the Council Study because of lessons learned from BDP2 experience.
2. Active sectors considered in BDP2 include domestic/industrial water use, irrigated agriculture, hydropower, and flood management and mitigation. In the Council Study, navigation and agriculture/land use change are added as active sectors (or thematic areas)
3. Consistent with Council Study principle for thematic sub-scenarios, the BDP2 scenarios have to be plausible.
4. Endorsement of the formulated development scenarios is important.
5. Data used for the domestic/industrial water use sector was primarily derived from analyzing population, population growth rate, domestic per capita demands (rural and urban) and percentage of industrial demand from domestic demand.
6. Irrigation data include project location, crop areas, and cropping calendar.
7. Dam data include project location, dam and reservoir characteristics and operation rules
8. Flood management data include flood protection areas/locations, infrastructure, and management schemes

Cumulative and Thematic Development Scenarios

1. Climate change (cc) scenarios will be only applied to the 2040 Planned Scenarios. Three cc scenarios will be used: upper bound, lower bound, medium. The cc scenarios will be available by end of June 2015
2. Discussion on whether IKMP can lead the collection/compilation of data for the development scenarios for 2007 Early Development Scenario, and BDP for the 2020 Definite Scenario because of the assumption that they have already the data for these scenarios. The final decision was for the Thematic Teams to lead the collection/compilation of data for all three cumulative

scenarios. A Review Team will be formed to lead the review and consolidation of the data from the thematic teams. The CS Coordinator will coordinate the work of the 6 thematic teams.

3. Example potential sub-scenarios for the irrigation, flood protection, and navigation were presented to illustrate further the concept and use of the thematic sub-scenarios.

Formulation of Development Scenarios for the Flood Protection and Floodplain Infrastructure

1. FMMP will define flood protection infrastructure likely to be required in 2040 based on impacts on flood behavior
2. FMMP to request thematic areas to nominate locations on a map where they would like flood behavior assessed
3. FMMP to request thematic areas to nominate flood behaviors they are interested in
4. FMMP is responsible for interpreting model results in terms of impacts (increase/decrease in flood risk). For other impacts, discipline teams are responsible (in conjunction with thematic teams). In essence, FMMP (a thematic team) also acts as a discipline team (i.e., an extension of the Hydrologic Assessment Team responsible for interpreting changes in flood behavior in terms of impacts on flood risk)
5. Viet Nam has a flood plan for 2040. Other MCs likely do not have. Suggested to check whether MCS have strategy and then check if there are plans developed to implement the strategy.

Formulation of Development Scenarios for the Navigation

1. Two man pockets of development: commercial navigation between PR China and Thailand + cruise shipping; and commercial navigation between overseas trading partners and Cambodia and Viet Nam + inland shipping
2. Navigation development can take advantage of the existing and planned mainstream hydropower dams in mainstream Mekong
3. Dredging and channel regulating works in Mekong Estuary (south of Ho Chi Minh()) and Mekong river (downstream of Phnom Penh)
4. Navigation feasibility in Mekong River between Don Sahong and Sambor Dams is questionable
5. Navigation development in combination with road infrastructure
6. As part of the Master Planning, Navigation team will begin brainstorming on development scenarios on the week of May 18, 2015
7. Consider pollution from shipping : Vessel discharges; Petroleum (diesel and benzene) spill; environmental impacts from dredging and port constructions; safety
8. Navigation is anticipated to have more economic impacts than environmental
9. SIMVA can provide lots of data for assessing immediate socio-economic impacts – noise generation, river bank erosion
10. CCAI socio-economic impact assessment will be completed by September 2015

Formulation of Development Scenarios for Land Use Change

1. Land use change thematic area is new and the formulation of development scenarios may involve more time
2. Land use change data from the MCs may not be available and may have to be “predicted” using models that consider several factors and data including population/demographic changes, agricultural production, soil functions, technology, economic activities, global trends, policies, land markets, etc.
3. A suggestion was made that simpler methodologies should be pursued

Other Topics

1. Draft report outlines were reviewed and comments noted. Action item is to provide revised draft report outlines
2. Draft data inventory were reviewed and comments noted. Action item is to provide revised data inventory
3. Schedule was discussed. Action item is to provide draft detail schedule for discussion during the next day’s monthly coordination meeting