Plans to uptake the Council Study in the MRC work: High-level dissemination, State of Basin Report, Sustainable Hydropower Development Strategy

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Background and Scope of Works

- The council study was completed by Dec 2017
- The study has accomplished major advances in assessing Mekong Basin social, economic and environmental conditions
- Many Impact assessment tools and KB and key messages and policy recommendations have been developed

2011 Apr 2016 May 2016 Dec 2017 Jan 2018 Dec 2018

Formulation of concept work plan and Inception report
- Concept Note
- Inception Report
- Term of Reference
- Data collection

Phase 2 Implementation: Impact assessment and tools
- Development of assessment method and approach
- Impact assessment for main and sub-scenario
- Final impact assessment reports
- Stakeholder Engagements
- Key policy messages/recommendation

Uptake Plan of CS
- Capacity building and knowledge transfer
- Uptake of CS results and recommendations into action and value-added to the on-going projects
- Enhance institutionalization capacity on impact assessment for immediate uses
- CS results/tools support immediate and strategic works of MRC
- Dissemination of the CS results and finding to various stakeholders
Key Priorities and Implementation Approach

A. Institutionalization

Enhance Ownership of CS in New structure

Document and Knowledge and Data management

B. Target Audience

Main Target: MRCS Staff

Second Target: National LAs Staff

Specific Transfer:
- Knowledge (20%)
- Skill (80%)

C. Immediate and Strategic Uses

Dissemination and Publication

Others Stakeholders (DP, public)

D. Dissemination and Publication

Tools and Data: DSF, eWater Source, WUP-fin, KB, MEA, CIA, DRIFT and CC

Manuals and Guideline: DRIFT, DSF, Impact assessment, Scenarios formulation, WUP-fin, CC, eWater Sources, SEA, MEA, CIA, iMAT etc.

CS working Processes and completions: Reports on working and assessment processes, method and approach, evident of Changes

<table>
<thead>
<tr>
<th>Person</th>
<th>Use</th>
<th>Tools</th>
<th>How</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEO, CPO, CHO, CSP</td>
<td>BDS</td>
<td>Modeling Tools, DRIFT, SEA, MEA, CIA</td>
<td>Use of CS results and tool for specific additional assessment</td>
<td>On-job training, Specific training, and working session</td>
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<tr>
<td>CEM, FO, CPO</td>
<td>Env-Mang Strategy</td>
<td>Modeling Tools, DRIFT</td>
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<tr>
<td>SEO, CPO CHO, CSP</td>
<td>SOBR</td>
<td>Modeling Tools, DRIFT, SEA, MEA, CIA</td>
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<tr>
<td>HFC, CHO, WCS, DMO</td>
<td>Flood and Drought strategy</td>
<td>Modeling Tools, DRIFT, SEA, MEA</td>
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</tbody>
</table>

AD: Knowledge management and reporting (HR and Library)
ED: administrator of DRIFT, BioRA results and methodology (Chief of EM and Fishery specialist)
TD: Administrator of all modeling tools, KB, IMAT and Supervise the new project (Director, Chief of hydrology, DBM and modelers)
PD: Administrator of CC, SEA, MEA, CIA and supervise the uptake of CS results (Director, Chief of PO, SES, HPS)
OCEO: Improve and facilitate the uptake and uptake result of the CS in strategic plan and others stakeholders communication and publication of manual, report and guideline (Chief of SP, M&ES, CO)

2018
- Hydropower-Strategy
- SOBR
- PNPCA
- Flood and Drought strategy

2019
- BES
- Env-Mang Strategy
- Modeling Tools, DRIFT, SEA, MEA, CIA
- Use of CS results and tool for specific additional assessment
- On-job training, Specific training, and working session
Hydrologic modeling

Hydraulic modeling

DSF & IWRM impact assessment tool

Socio-economic assessment tool

Macro economic assessment tool

Environmental assessment tool

CIA assessment tool

Current integrated tool:
• ArcGIS processing
• Vba with Excel platform integration

Future integrated tool:
• Web based platform
• Online Impact Assessment tools
• Flexible tools for assessment
• Link with Modeling cloud server and MRC data server and portal

MRC iMIAT Design Architecture

MRC Data Portal at Cloud server

Modeling Portal at Cloud server

Current DSF package+ new models

Integrated Mekong Impact Assessment Tools (iMIAT)
Council Study’s Uptake Plan

• **Immediate Actions and Short-term Plan**
  - Dissemination of the study results and findings to technical and high levels at MCs, DPs, IOs, diplomat..
  - Enhance and improve capacity building, knowledge transfer and IA tools developments
  - Uptake the study’s results and findings to 1) update of SOBR 2018, 2) update of MRC-IF, 3) update of HP development strategy and guidelines, 4) drought management strategy, 5) implement collaborative modeling (trade-off, Benefit sharing mechanism and opportunity of development spaces), and 6) improve and update BDS 2021-2025

• **Proposed Future Actions and Long term Plan**
  - Improve capacity and capability of MRCS on **regional data generation and development** to align with MRC-IF → Development of data generation and development strategy and investment
  - Repeat the integrated impact assessment study as such “council study” **every 5 years** to assess the impact of all planned development in the basin to prepare a better **BDS 2021-2015**
  - Establish a **regional cross-country** platform/dialogue/mechanism, where all MCs can jointly discussed on their **national development** and **planning policies**.
### National and Regional Briefing Meetings on CS’s Results and Findings

<table>
<thead>
<tr>
<th>National meeting</th>
<th>Schedule</th>
<th>Remark</th>
<th>Result</th>
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<tbody>
<tr>
<td>National briefing meeting organized by LNMC</td>
<td>Early of Feb 2018</td>
<td>High level meeting with MRCS-Lao PDR staff to present</td>
<td>Good results with some comments</td>
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<tr>
<td>Briefing meeting with VN embassy in Vientiane</td>
<td>Early of Feb 2018</td>
<td>MRCS-VN staff presented to ambassadors</td>
<td>Appreciated and Good Results with some comments</td>
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<tr>
<td>Regional meeting with DPs</td>
<td>27 Feb 2018</td>
<td>All MRCS CS staff represented to DPs</td>
<td>Appreciated and Good results some suggestions</td>
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<tr>
<td>National Briefing for CNMC</td>
<td>19-20 Feb 2018</td>
<td>MRCS-KH staff presented to high level from CNMC and LAs</td>
<td>Appreciated and Good results some suggestions</td>
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<td></td>
<td>28 Feb 2018</td>
<td></td>
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<tr>
<td>National Briefing for TNMC</td>
<td>21-22 Feb 2018</td>
<td>TNMC organized by themselves</td>
<td>Appreciated and Good Results with some suggestions</td>
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<tr>
<td>Mekong Public Forum</td>
<td>20 Mar 2018</td>
<td>NGOs and local communities</td>
<td>Good feedback and reflections</td>
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<tr>
<td>National Briefing for VNMC</td>
<td>March 2018</td>
<td>MRCS-VN staff presented to high level from VNMC and LAs</td>
<td>Appreciated and Good Results with some suggestions</td>
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<td>International conference</td>
<td>2-3 Apr 2018</td>
<td>Final briefing of the council study</td>
<td>-- good reflection</td>
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Emerging results from CS reinforce the need for a sustainable basin-wide hydropower development strategy to:

- Address the difficult trade-offs
- Design more optimal and sustainable hydropower development pathways

Hydropower is the most important sector economically, but also has the biggest transboundary impact - fish and sediment with their own economic impacts and food security issues.
SP Outcome 2: Environmental management and sustainable water resources development *optimized for basin-wide benefits by national sector planning agencies*

- **Output 2.1:** Basin-wide Strategy for Sustainable Hydropower (SHDS) updated and approved by **Q1/2019**

- **SHDS Objective:** "**Optimal and sustainable hydropower development pathway alternatives are explored, proposed and discussed** – taking into account opportunities to enhance benefits beyond national borders and minimise adverse transboundary impacts while supporting water, food and energy security."
Thank you