Planning the next phase of MRC Collaboration

Jeremy Bird
CEO, MRC Secretariat
Outline

- First MRC Summit, April 2010
- Strategic Plan 2011-15
- Core River Basin Management Functions
First MRC Summit
5 April 2010

- High level commitment to sustainable Mekong Basin development and environmental protection
  “Meeting the Needs, Keeping the Balance”
- Calls for strengthened cooperation with China, Myanmar, ASEAN, GMS
First MRC Summit: areas of “priority action”

- IWRM based Basin Strategy
- Climate change adaptation
- Risk management
- River navigation, trade
- Water quality
- Sustaining aquatic resources, wetlands, bio-diversity
- Advising on opportunities and challenges of infrastructure development
- ...

Climate change likely to intensify disasters affecting people in the Mekong Basin

The cumulative effects of existing and new hydropower facilities on natural resources are being analyzed by a combination of MRC programmes
MRC Strategic Plan 2011-2015

Results oriented specific goals (draft in progress)

Adoption of IWRM-based Basin Development & related sector strategies and guidelines for promoting sustainable and equitable development.

Operational basin-wide monitoring, impact assessment, modeling, forecasting and knowledge management systems to support effective decision making.

Efficient dialogue and coordination processes between basin countries and other stakeholders for effective regional cooperation.

Raised awareness and strengthened capacities and enabling institutional environment for IWRM policy adoption and implementation.

Efficient MRC organizational transition for full riparianization and effective implementation of Core Functions.
Formulation process

Member Country Governments (Jul 09 - Nov 10)
- National consultation & commissioning of thematic papers
- 16th Council Meeting
- 32nd Joint Committee Meeting / 15th Dialogue Meeting
- 17th Council Meeting

Civil society, private sector, others (Oct 09 - Sept 10)
- BDP Stakeholder Forum
- Strategic Plan Stakeholder Forum
- Input from programme meetings – e.g. Environment Symposium

Development Partners (Nov 09, Jun & Nov 10)
- 14th Donor Consultative Group Meeting
- Informal Donor Meeting 2010
- 15th Donor Consultative Group Meeting
Core Functions

1. Data acquisition, exchange and monitoring
2. Analysis, modelling and assessment
3. Planning support
4. Forecasting, warning and emergency response
5. Implementing MRC procedures
6. Promoting dialogue and coordination
7. Reporting and Dissemination
Commitment to increased ownership

- Financial autonomy by 2030
- Full riparianisation of MRCS staff
- Gradual transition of some functions to national agencies and working groups
- Downsizing of MRC Secretariat
- Emphasis on targeted capacity building – similar to the ASEAN Integration Initiative
1. Data acquisition, exchange and monitoring
2. Analysis, modelling and assessment

Baseline Scenario
Mean Monthly Flow of Mekong at Kratie

Mean monthly flow (m³/s)

- 1985-2000
- 2010-2025
- 2026-2041
- 2042-2050
- 2010-2050
3. Planning support

Overview Basin-Wide Scenario Formulation

<table>
<thead>
<tr>
<th>Scenarios</th>
<th>Install Capacity (MW)</th>
<th>Wet Irrigated area (10^4 ha)</th>
<th>Water supply (10^9 m^3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Baseline 2000</td>
<td>1,586 (9,049)</td>
<td>3.7</td>
<td>1,784</td>
</tr>
<tr>
<td>2) Upper Mekong Dams</td>
<td>17,036 (32,942)</td>
<td>3.7</td>
<td>1,784</td>
</tr>
<tr>
<td>3) Definite Future</td>
<td>19,818 (44,415)</td>
<td>3.5</td>
<td>2,832</td>
</tr>
<tr>
<td>4) LMB 20-Year Plan</td>
<td>39,511 (69,825)</td>
<td>5.3</td>
<td>4,361</td>
</tr>
<tr>
<td>5) LMB 20-Year Plan without mainstream dams</td>
<td>24,814 (46,959)</td>
<td>5.3</td>
<td>4,361</td>
</tr>
<tr>
<td>6) LMB 20-Year Plan</td>
<td>19,313 (34,512)</td>
<td>5.3</td>
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4. Forecasting, warning and emergency response
5. Implementing MRC procedures
6. Promoting dialogue and coordination
Mekong Panel on Climate Change: Scope of Work

- Whole of Basin perspective
- Triennial report on status and progress of climate change and adaptation in the Mekong Basin
- Science-based knowledge, expert judgment and policy guide supporting adaptation at different levels
- Capacity development and knowledge sharing
- ....
7. Reporting and Dissemination


Volume 1, September 2006

Adaptation to climate change in the countries of the Lower Mekong Basin

September 2009

Climate change impacts the Mekong Basin in a variety of ways:
- Increasing temperatures and changes in precipitation patterns
- Sea-level rise
- Changes in river flows

Moving the needs, keeping the balance

It's a reminder that we are all interdependent.

Human activity and climate change:
- Changes in atmospheric temperatures
- Changes in rainfall patterns
- Changes in river flows
- Changes in sea levels

The Mekong Basin is a critical ecosystem for the region.
Thank you