Mekong Integrated Water Resources Management Project

TRANSBOUNDARY COOPERATION BETWEEN VIET NAM – CAMBODIA: Integrated Water Resources Management in the Sesan and Srepok Sub-Basins

Nguyen Hong Phuong, Viet Nam National Mekong Committee
Project Areas

A. Northern highlands
   1. Northern Laos
   2. Chiang Rai
B. Central plateau and highlands
   3. Nong Khai / Songkhram
   4. Central Laos
   5. Muang / Chai
C. Southeast highlands
   6. Southern Laos
   7. Se San/Se Pok/Se Kong
D. Southern region
   8. Kratie
   9. Tonne Sap
   10. Delta

Legend:
- Area outside LMB affected by Mekong flood
- National sub-areas
- National boundaries
- Major rivers

Version: May 2006
Uses of Water in Se San – Sre Pok Basin in Viet Nam part

- Agriculture (812,420 ha)
- Irrigation structures (984, of which 507 reservoirs, 455 weirs, 22 pumping stations)
- Aquaculture (8,100 ha)
- Urban/domestic, industries
- Hydropower
**Hydropower development in Se San – Sre Pok in Viet Nam part**

<table>
<thead>
<tr>
<th>No</th>
<th>Hydropower plant</th>
<th>Flv Km²</th>
<th>Nlm MW</th>
<th>Eo GMh</th>
<th>Year of operation</th>
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<td>1</td>
<td>Lưu vực Sesan</td>
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<tr>
<td>2</td>
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<td>Sesan 3</td>
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<td>1.224</td>
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<td>Sesan 3A</td>
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<td>6</td>
<td>Sesan 4</td>
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<td>7</td>
<td>Lưu vực Srepok</td>
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<tr>
<td>1</td>
<td>Đức Xuyên</td>
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<td>2</td>
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Nexus Issues in Sesan – Srepok River Basin

- Shortage of water; ground water depleted and polluted
- Flood and Drought
- Hydropower impacts
- Water pollution and Waste water management
- Conflicts among water users including environment;
- Transboundary water management with Cambodia (upstream - downstream relationship), and other Lower Mekong River countries

Transboundary Significant Water Management Issues:
- Data and Information sharing
- Communication of issues
- Problems and conflicts solving (hydropower development and operation)
Transboundary Cooperation

Enhancement of dialogue and sharing of data and information towards harmonized water resource management and future investment

to address Transboundary Significant Water Management Issues
Key Outputs

- All relevant data and information collected and reviewed, gaps identified
- Existing knowledge, data and information sharing mechanisms reviewed and respective needs for future transboundary cooperation defined
- An enhanced knowledge and data and information sharing mechanism for transboundary cooperation developed
- An effective transboundary dialogue established
- Joint action plan to implement priority coordination and management activities
- A future transboundary Sesan - Srepok Sub-basin Monitoring Plan developed

to address Transboundary Significant Water Management Issues
General Principles:

• Build on existing bilateral mechanisms: between Viet Nam National Mekong Committee and Cambodia National Mekong Committee, between border provinces, etc.

• Learn experiences and lessons from other bilateral mechanisms regionally and internationally; and

• Address issues locally with basin wide perspectives and taking into account global concerns
APPROACH AND METHODOLOGY

Technical and Administrative:

1. Organize joint fact-finding and technical study groups for needs assessments, specifying terms of reference, and planning and facilitating activities;

2. Apply analytical and diagnostic tools such as hydrological and hydraulic models including the MRC Decision Support Framework;

3. Build capacity in interest and value-based discussions of trade-offs between beneficial and non-beneficial impacts as well as conflicts;

4. Plan and organize awareness campaigns as well as conflict prevention and management.
ESTABLISHMENT OF SE SAN - SREPOK RIVER BASIN ORGANISATION in Viet Nam
Se San – Sre Pok RBO Establishment Plan

- **2014**: Inception
- **2015**: RBO set up
- **2016**: Plans, Studies, Researches for the RBO
- **2017**: Support the Operation of the RBO
- **2018**: Set up water resources monitoring system for the 2S Basin

**Capacity building**
THANK YOU FOR YOUR ATTENTION