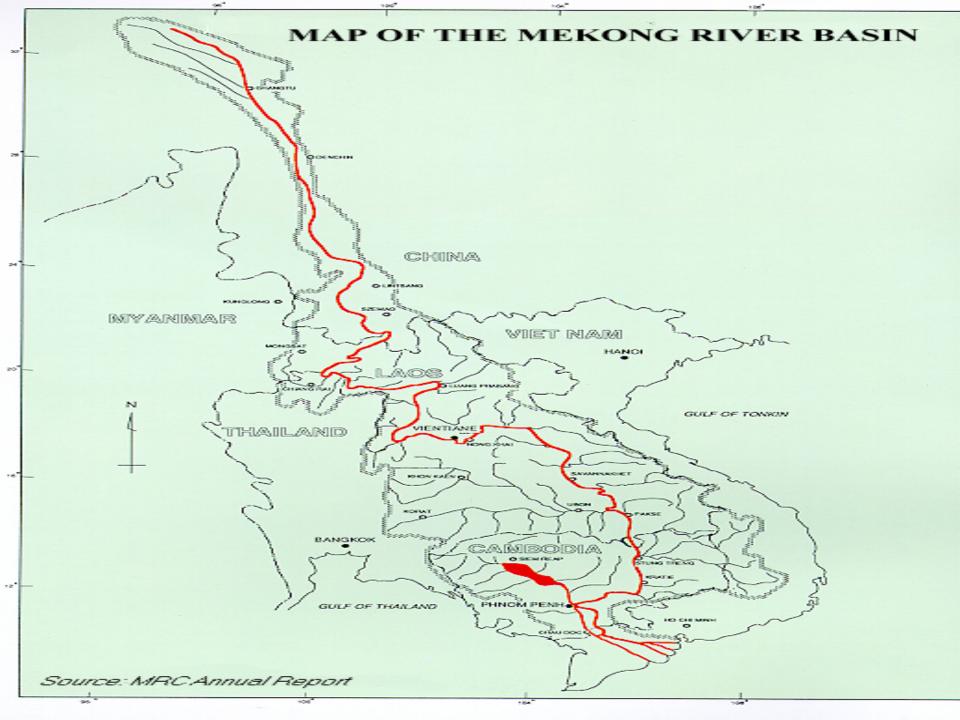
# Evolution of approaches and tools for basin planning towards IWRM

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#### IWRM: Implication of Macroeconomic Development Goals

- How to effectively support, promote and coordinate the multitude of development in such an active investment environment to ensure a smooth and sustainable development process; and
- How to identify suitable and efficient water and related projects to maintain such high economic growth rates.



#### My basin planning experience

- Variety of problems in river basin management
- Difference of approaches and tools in river basin management

KEY ISSUE: How to prioritize water resources management activities within limited resources and diverse interests and different perception of priorities

### **Key Challenges In Water Policy Implementation**

- Planning-related issues: Inadequate investment levels, Water resources information, International cooperation
- Management-related issues: Community participation, Protection of water resources, Demand management, Wateruse efficiency
- Overall consideration: Lack of continuity and consistency, Low absorption capacity, Low flexibility in management

#### Important periods of Mekong River basin development

- 1. Early stage of Mekong cooperation
- 2. Transition period (1947-1956)
- 3. Mekong Committee (1957-1975)
- 4. Interim Mekong Committee
- 5. Mekong River Commission (1995 onwards)

## Past Mekong major activities in basin planning

- 1970 Indicative Basin Plan
- 1987 Revised Indicative Basin Plan
- Other Important Planning Studies
- Important Experiences



### Past Mekong approaches in basin development planning (BDP)

- Idealistic International Approach
   Basin as a single unit. Maximum water resources development.
- National Development-Oriented Approach
   *Maximum support to national development* and basin planning as long-term guidelines
- Integrated development planning approach Social-economic targets, environmental goals and institutional framework.

#### Mekong basin planning process

Over the decades, the basin planning process has changed significantly from the planning activities to the planning practices, approaches and underlying philosophy. Apart from basin potentials and the needs of the riparian countries; the evolved planning approaches focus also on economic development opportunities, the common goals of basin development and priority areas of cooperation: toward a Shared Vision proc

#### **Mekong Recognition**

- ◆ Benefits to the riparian countries: stabilizing factor, economic and social achievements.
- ◆ International recognition: financial resources, recognition awards and continuity in support.
- Foundation for subregional growth: the Basin forms the core element of a major Development Growth Subregion of Asia.

The Mekong Spirit, as known internationally for the common efforts and goals of development, forms the major driving force to overcome short-term problems and to unify divergence of views in development. Understanding the strategic and key elements of the Mekong Spirit will further consolidate the foundation of cooperation, thus contributing to prosperity to all the **Mekong peoples** and ensuring **sustainable** development of the Mekong River basin.

#### Core element of BDP: the Mekong Spirit Strategic elements

- Shared vision of cooperation
- Mutual understanding
- **Mutual trust** ♦
- **♦ Common goal:** the River of Prosperity

Key element: Mutual respect



#### Recognition of the Mekong Spirit

- \* Magsaysay Peace Award in 1968
- \* Assistance provided by 26 donor countries and 19 international organizations (1994)
- \*Planning and Development Funds amounted to about US\$2,000 million (up to 1987)
- Continued interest and support by the United Nations System

### Approaches in water resources management

- Project-based approach: for decisionmaking (feasibility of activities)
- **Natural resource-based approach:** for policy-making (sharing of resources in space and time)
- Socio-economic approach: for prioritization in decision-making (<u>resources allocation to suit</u> <u>development objectives</u>)
- Integrated water resources management approach: for integration into policy and decision making (strategic planning and management)

#### Key issues in BDP approaches

- 1. Active participation of the riparian countries
- 2. Continuity and consistency of basin planning
- 3. Advanced technology and latest methodology
- 4. BDP be solidly based on basin development knowledge
- 5. Establishment of core human resources group to support BDP process

#### **Important lessons in BDP**

- BDP needs to link to <u>national targets of</u> <u>social-economic development</u> of the riparian countries
- BDP needs to establish development strategies forming criteria to prioritize development projects
- BDP needs to be supported by <u>an appropriate legal and institutional framework</u>
- Formulation needs active participation of riparian countries.

#### **BDP Conceptual Elements**

- Common goals of basin development
- Common and related national strategies
- Priority programmes of action and related mechanisms
- Dynamic legal and institutional framework conducive to development
- Facilities and necessary information systems

#### The New Mekong Vision

- An interdependent subregional growth
- Faster and stable growth with better income distribution, cultural enrichment and environmental protection in the region
- Better climate and environment for major investment and development

### Challenges in integrated water resources management (IWRM)

- Resource mobilization versus social equity
- **♦ Coordination and stakeholders'** participation
- Continuity and consistency of development

#### Challenges in IWRM

- IWRM requires tools to mobilize participation of all key stakeholders and their resources
- IWRM requires tools that support leadership and maintain commitment of leaders in planning and management
- IWRM requires tools that would allow the use of the strength of existing planning practices and introduction of a new management mindset
- IWRM requires tools to create conducive environment for incorporating IWRM principles into the existing legal framework of water resources planning and development

#### Tools in Water Resources Management

- **♦ Project-based approach:** project-focused tools to support decision-making (*Local optimization*)
- **► Natural resource-based approach:** Water balance models; Basin-system simulation; System optimization models (*Master Plans, Basin Plans*)
- Socio-economic approach: Multi-criteria models; Utility trade-off analysis; Generalized optimization models (*Regional plans & strategies*)
- Integrated water resources management approach: strategic planning and management models (integration of models including consensus building, conflict resolution and prevention)

#### Recommendations

- BDP needs to link to <u>national targets of</u> <u>social-economic development</u> of the riparian countries
- BDP needs to establish development strategies forming <u>criteria to prioritize development</u> <u>projects</u>
- BDP needs to be supported by an appropriate legal and institutional framework
  - Formulation needs active participation of riparian countries.

#### Core elements of basin planning

- Urgent needs of economic development Transport system development; tourism development; industrial development
- Stabilization of basin development process Provision of good-quality water for domestic consumption; Expansion of irrigated agriculture; Improvement in resources management; Protection of the environment
- Physical development plan; Legal and institutional framework; Human resources core group; Financial resources

#### Conclusion of my experience

- Effective implementation of IWRM requires adoption of "Strategic Planning and Management" (SPM)
- Capacity building is instrumental to successful application of SPM
- Successful application of SPM requires change of "Mindsets" of key stakeholders
- BDP needs to be action-oriented

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