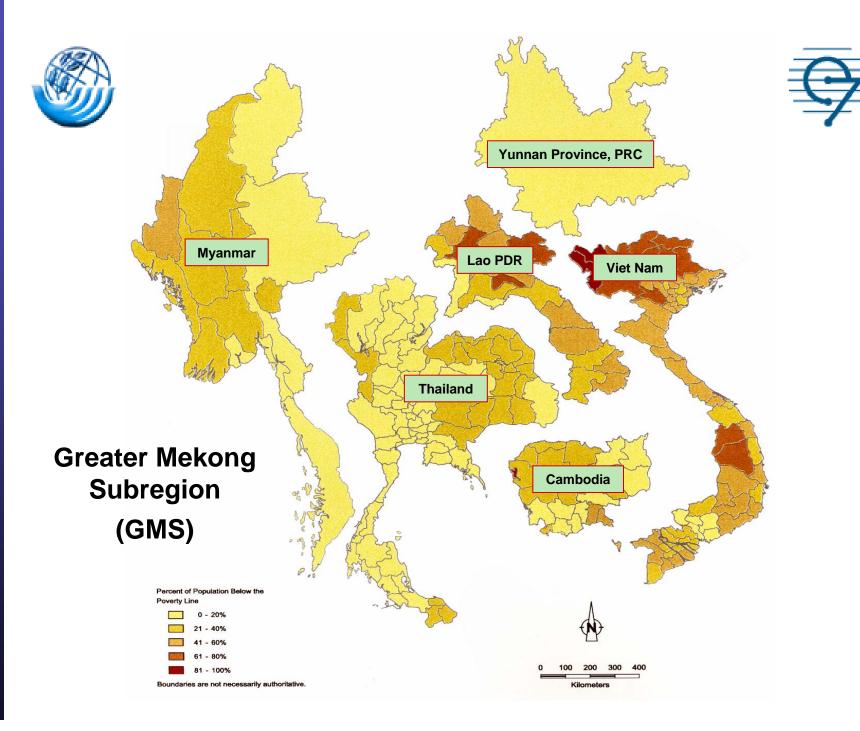


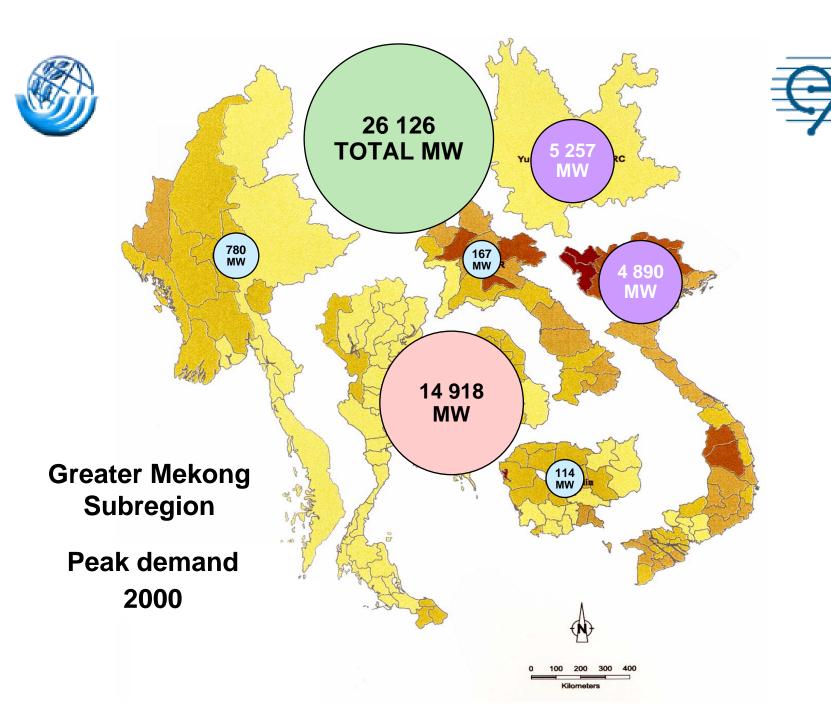
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The Interconnection of Power Systems in the Greater Mekong Subregion



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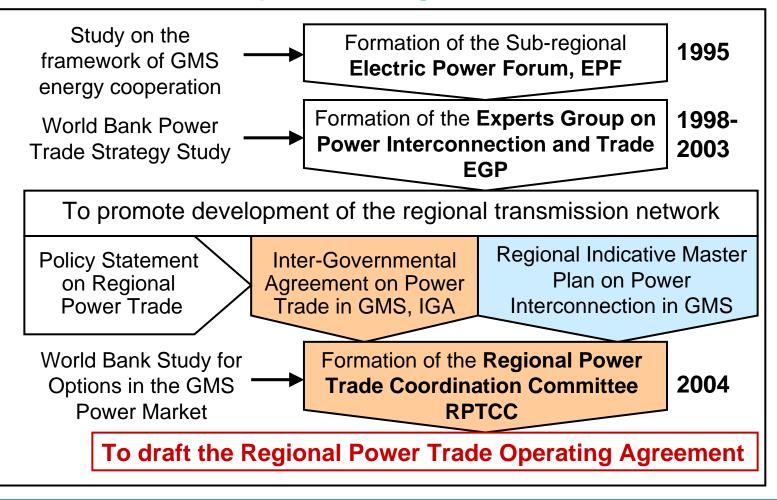




Development of GMS Energy Cooperation



GMS Economic Cooperation Program - ADB



4



Energy Cooperation Milestones



- Endorsement of the Policy Statement on Regional Power Trade in the GMS - January 2000
 - By the GMS Ministerial Conference
 - Major commitments by GMS members toward integrating national systems into a regional grid
- Completion and adoption of the Regional Indicative Master Plan on Power Interconnection in the GMS May 2002
 - Confirmed the economical benefits of regionally harmonizing the development of power systems in GMS
 - Recommended the interconnection grid capable of providing the power transfer capacities to fully benefit from the pooling of resources with a least-cost solution



Energy Cooperation Milestones



- Signing of the Inter-Governmental Agreement on Regional Power Trade in the GMS - November 2002
 - Represents the highest commitment by GMS members
 - To promote regional power trade
 - Toward a competitive electricity market
 - Establishes the authority and broad framework to implement power trade
- Setting up of the Regional Power Trade Coordination Committee - 2004
 - > To coordinate implementation of regional power trade
 - To draft the Regional Power Trade Operating Agreement - to be approved by the end of 2005



Regional Indicative Master Plan



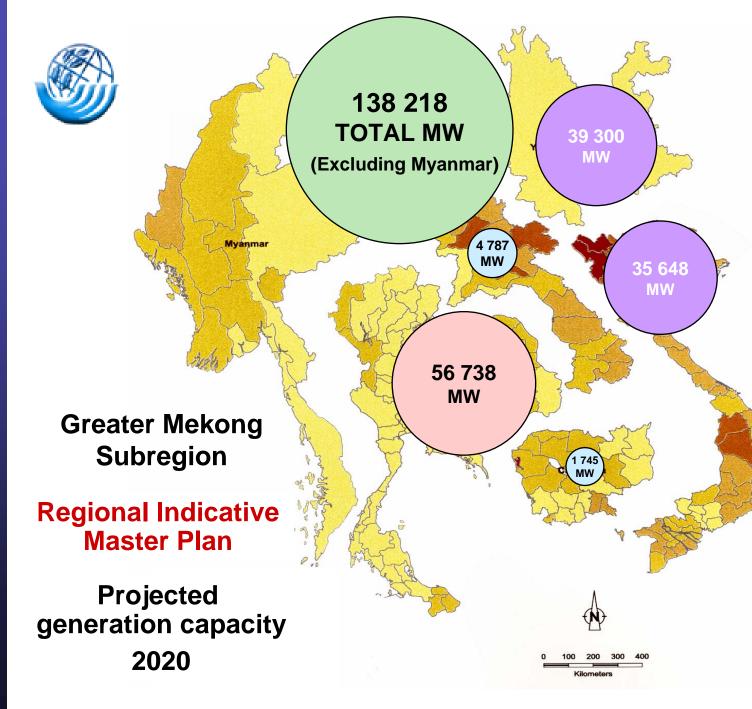
- Technical Assistance (TA) project funded by the Asian Development Bank
- Developed by a team of experts from an international consultant based in Norway
- Required a significant effort over a period of approximately 18 months
- Yielded a very comprehensive and detailed report on:
 - Regional power demand forecast
 - Generation expansion scenarios
 - Transmission and interconnection development plans
 - Institutional and regulatory arrangements



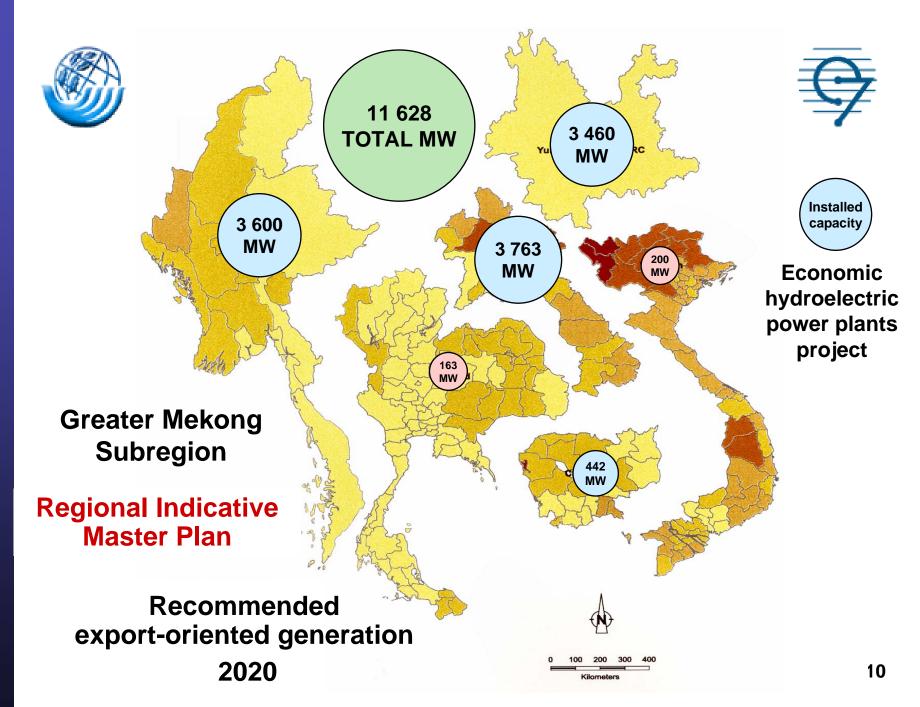


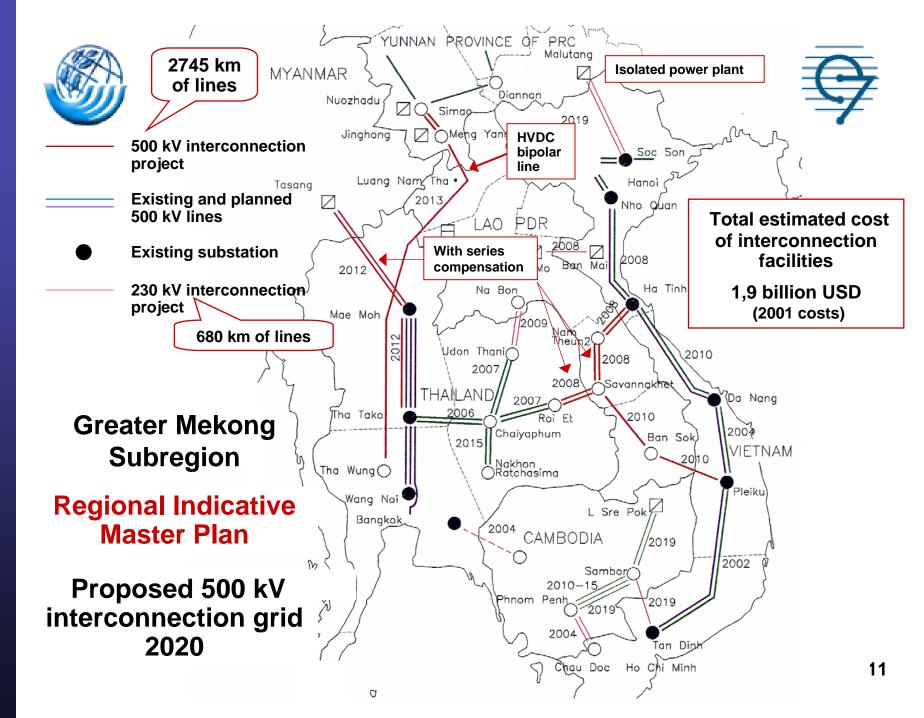
Main findings and conclusions

- An Extended Power Cooperation Scenario would yield a discounted net gain of approximately 0,9 billion USD over the 2005-2020 period
- An additional gain of approximately 0,4 billion USD has been estimated in regard to reduced greenhouse gas emissions
- A 500 kV interconnection grid is required to provide the required power transfers to fully benefit from an Extended Power Cooperation Scenario
- An optimal interconnected grid has been identified and justified, with the list and characterization of specific projects to be realized along with their implementation schedule



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June 2005



Conclusion - Systematic Approach toward RECI

Features strategically important elements

- A strong support by important international institutions (Asian Development Bank and World Bank)
- Regional coordinating groups to foster and organize RECI (EPF, EGPT, RPTCC)
- Signing of an IGA confirming the highest political commitment to promote regional power trade and to set out principles (following a Policy Statement on Regional Power Trade)
- Establishment of a Regional Indicative Master Plan
- Development of a Regional Power Trade Operating Agreement