First meeting of global network of basins working on climate change adaptation
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The Lower Mekong River Basin

Introduction about CCAI

Goal and objective of the CCAI

Results

Ongoing and future plan
- 8th largest river in the world
- 12th longest
- Population 60 million and increases
- Vital for food security and development of the riparian countries
All LMB Countries will be affected by negative impacts of climate change.

Adaptation strategy, planning and implementation are urgently needed at all levels.
The Lower Mekong River Basin

Introduction about CCAI

Goal and objective of the CCAI

Results

Ongoing and future plans
- Mekong Agreement 1995
- Support adaptation to the impacts and new challenges posed by climate change
- Establishment of Climate Change and Adaptation Initiative (CCAI), 2009-2025
FORMULATION: Endorsed by the MRC Joint Committee at its 29th Meeting in March 2009

PHASING:

- Long-term initiative with an intermediate phase 2009-2010 and three 5-year phases up to 2025

- Linked to the MRC’s Strategic Plan
The Lower Mekong River Basin

Introduction about CCAI

Goal and objective of the CCAI

Results

Ongoing and future plans
Goal

“An economically prosperous, socially just, environmentally sound Mekong River Basin responsive and adapting to the challenges induced by climate change.”
Objective

“Climate change adaptation planning and implementation is guided by improved strategies and plans at various levels and in priority locations throughout the LMB.”
Expected Outcomes

Member countries and MRC

1. **pilot and demonstrate** adaptation planning and implementation throughout the region, drawing lessons learned from existing practices and demonstration projects with feedback to **improve performance and influence strategies and plans**;

2. **have improved capacity to manage and adapt** to climate change at different levels, including in the use of tools for different adaptation planning stages and methods;
Expected Outcomes

Member countries and MRC

3. **have strategies and plans for adaptation at various levels** in place, which are regularly updated and **integrated into appropriate development plans**, with implementation monitored and reported on a regular basis;

4. **implement regional cooperation, exchange and learning through partnerships** in a fully gender responsive initiative with a developed **long-term sustainability strategy**
The Lower Mekong River Basin
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Climate change

- Impacts on hydrology
  - Rainfall
  - Water balance
  - Impacts on hydrodynamics & morphology
  - Flow
  - Sediment

- Impacts on ecosystems

- Impacts on hydropower yields and operation

- Impacts on agriculture, fisheries ...
Adaptation to climate change in the countries of the Lower Mekong Basin: regional synthesis report

MRC Technical Paper
No. 24
September 2009
The Lower Mekong River Basin

Introduction about CCAI

Goal and objective of the CCAI

Results and outcomes

Ongoing and future plan
• Climate change and adaptation database
• Basin-wide climate change monitoring & reporting system
• Batch 2 of demonstration projects in Cambodia, Lao PDR, Thailand and Vietnam
• Regional climate change scenarios and uncertainty analysis
• 2\textsuperscript{nd} Assessment of climate change impacts on flow regime of the Mekong
• Assessment of climate change impacts on food security and adaptation options of the LMB
• Assessment of climate change impacts on ecosystems and biodiversity and adaptation options of the LMB
• Mekong status report on climate change
• Mekong Panel on climate change
• Mekong climate change and adaptation strategy
• Mekong Climate Change Forum 2013
Thank you for your attention

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