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For sustainable development
Climate Change & Adaptation Initiative



Climate Change & Adaptation Initiative for the Lower Mekong Basin



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Introduction to the Mekong Basin



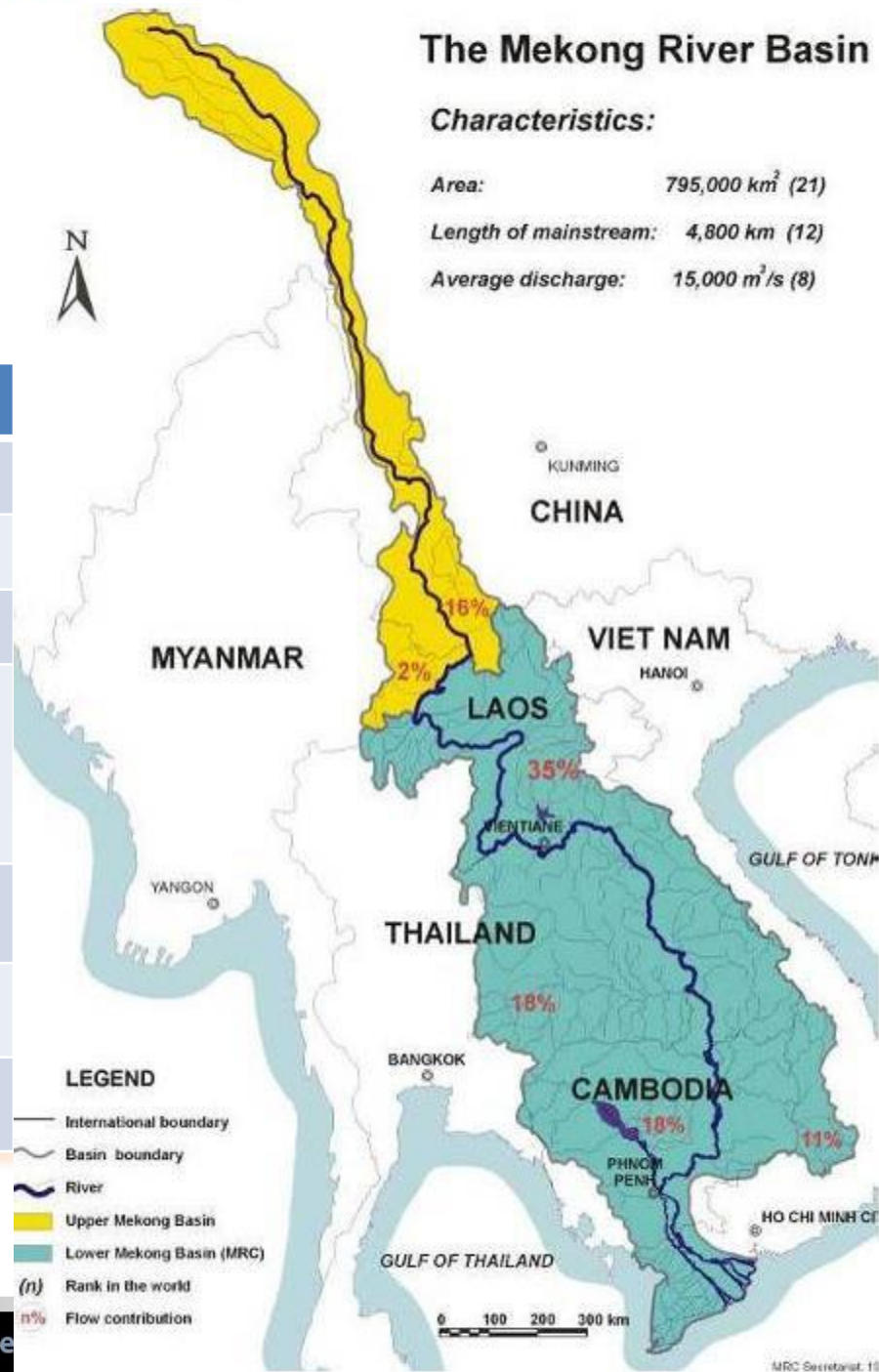
Issues on Climate Change and Challenges in
the LMB



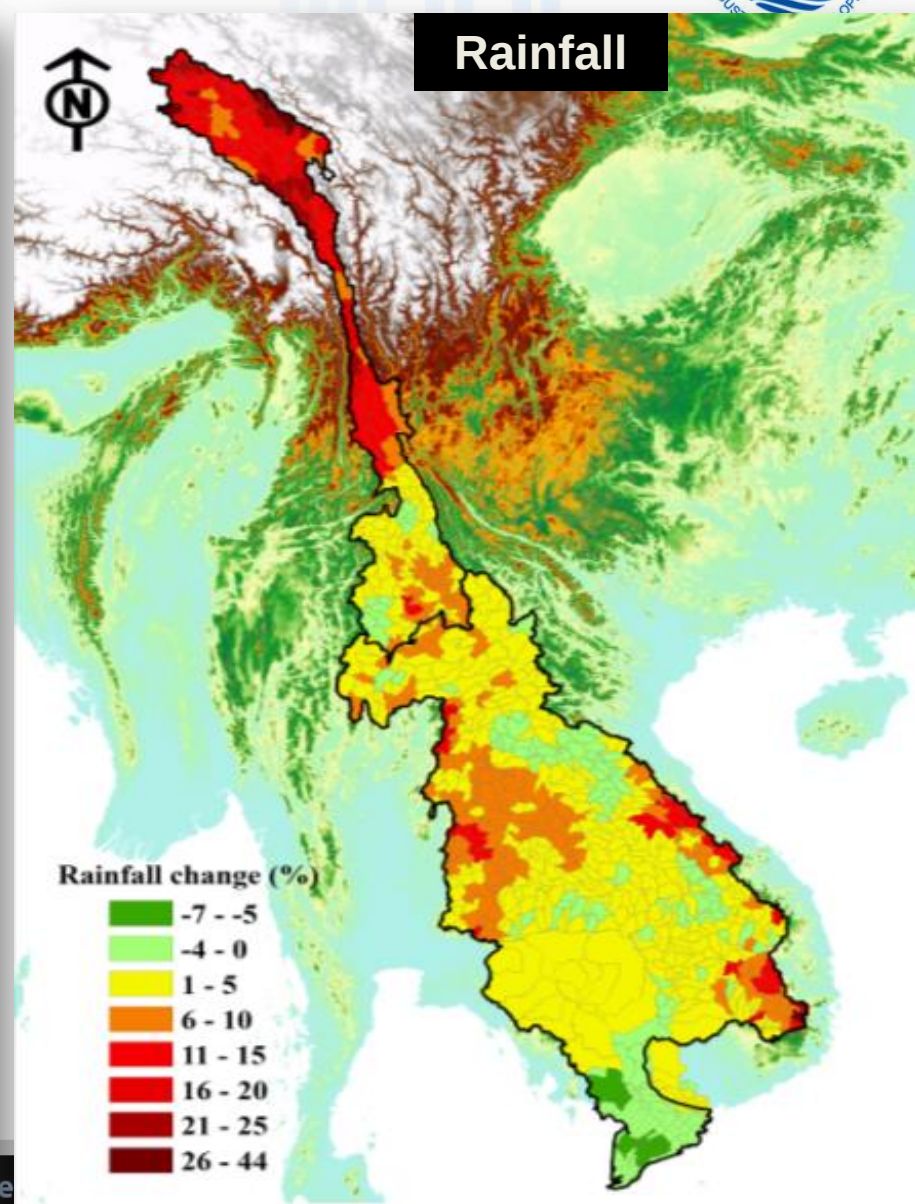
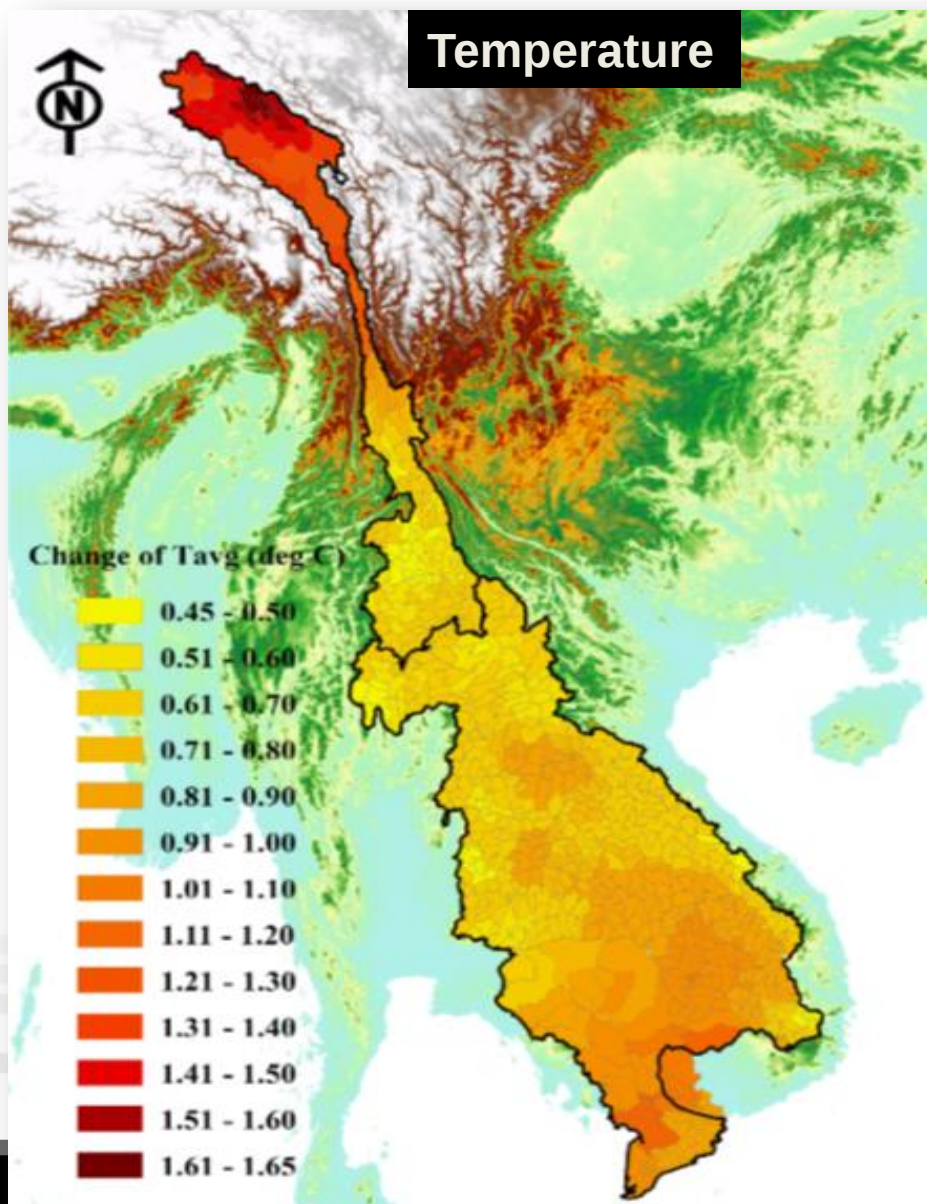
Climate Change and Adaptation Initiative for
the LMB

Introduction to Mekong Basin

8 th Longest	4,880Km
12 th largest	795,000 Km ²
Annual discharge	475 Km ³
Water use	8,500 m ³ /capita/year
Zoning of the Basin	Upper (China, Myanmar) Lower (Cambodia, Laos, Thailand, Vietnam)
Population (LMB)	60 Millions (2008)
Capture fishery	2.3 Mill. Ton/y
Agriculture area	15 mill. ha



Changes in temperature (°C) & precipitation (%) in 2010–2050 compared to 1985–2000





Sea level rise in the Mekong Delta



Increases of dry season precipitation in northern areas & decreases in the south; strong water stress in some areas (i.e. Northeast Thailand and Tonle Sap)



Increases of flooding through the basin, esp. in the downstream



Uncertainties over projections on extreme events



Intensification of existing challenges: flood, drought, saline intrusion, etc.

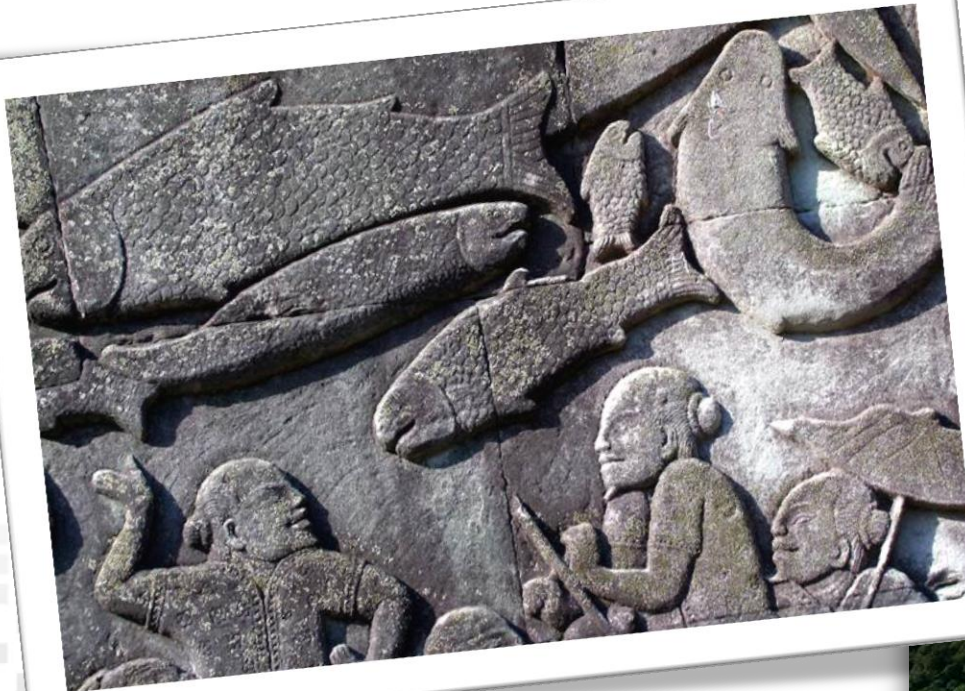


Effects on natural and socio-economic systems, development and people's livelihoods, esp. the poor & marginal groups





Likelihood of heavy impacts on wetlands & biodiversity in the Mekong flood-plain, fisheries & agriculture





Specific impacts of sea level rise, land loss, saline intrusion and more disasters



the Mekong Delta to be one of the most vulnerable areas

Climate Change and Adaptation Initiative (CCAI) for the LMB



A regional collaborative initiative of the Lower Mekong Basin Countries



Support adaptation to the impacts & new challenges posed by climate change

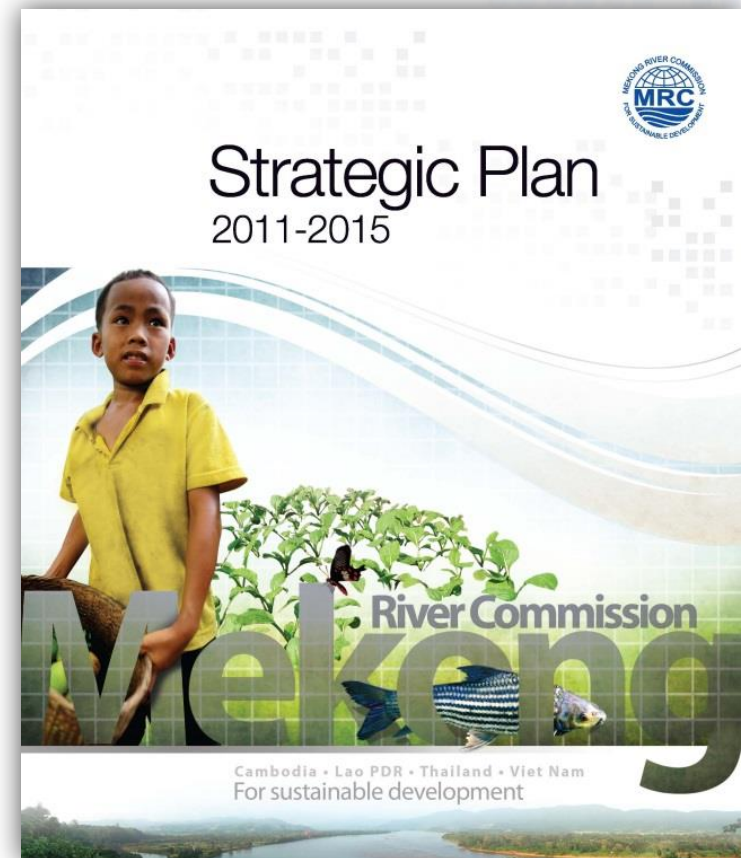


CCAI FORMULATION: Endorsed by the MRC Joint Committee at its 29th Meeting in **March 2009**



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



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.”

CCAI planned Outcomes and outputs



Outcome 1

Adaptation
planning and
implementation

Outcome 3

Adaptation
strategies

Outcome 2

Capacity building

Outcome 4

Cooperation &
exchange

- Database
- Methods, Tools
- Demonstration activities
- Basin-wide assessments
- Floods and drought studies

- Planning
- Implementation
- Policy making
- Application of tools
- Monitor and report on CC

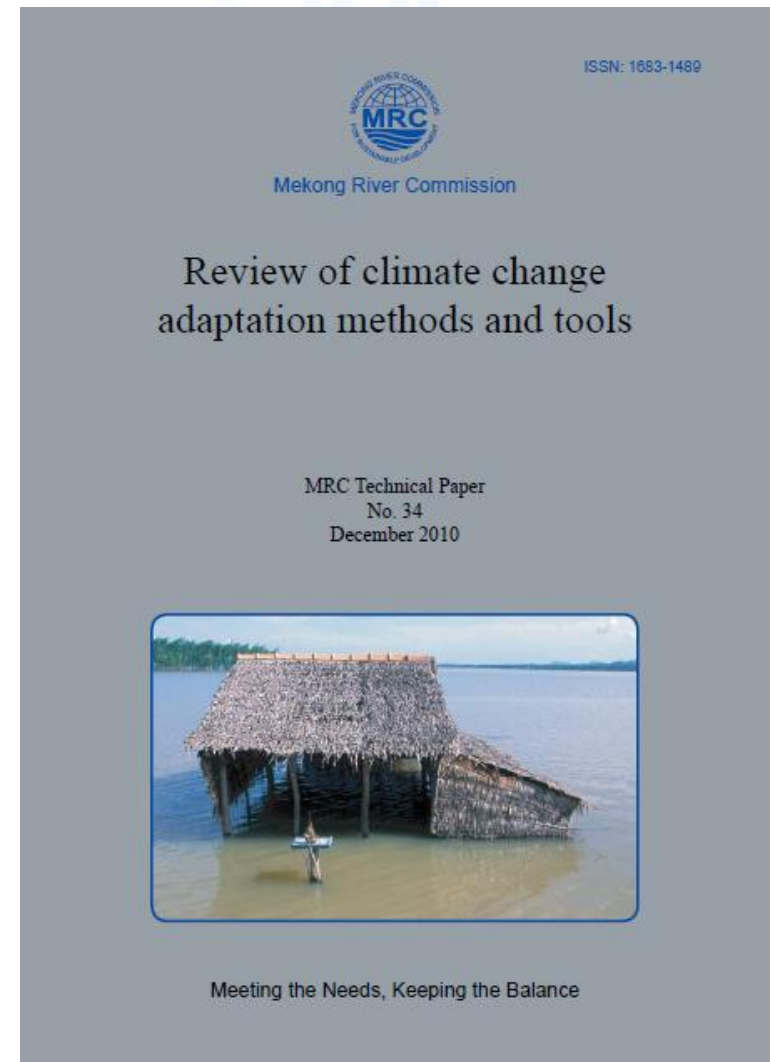
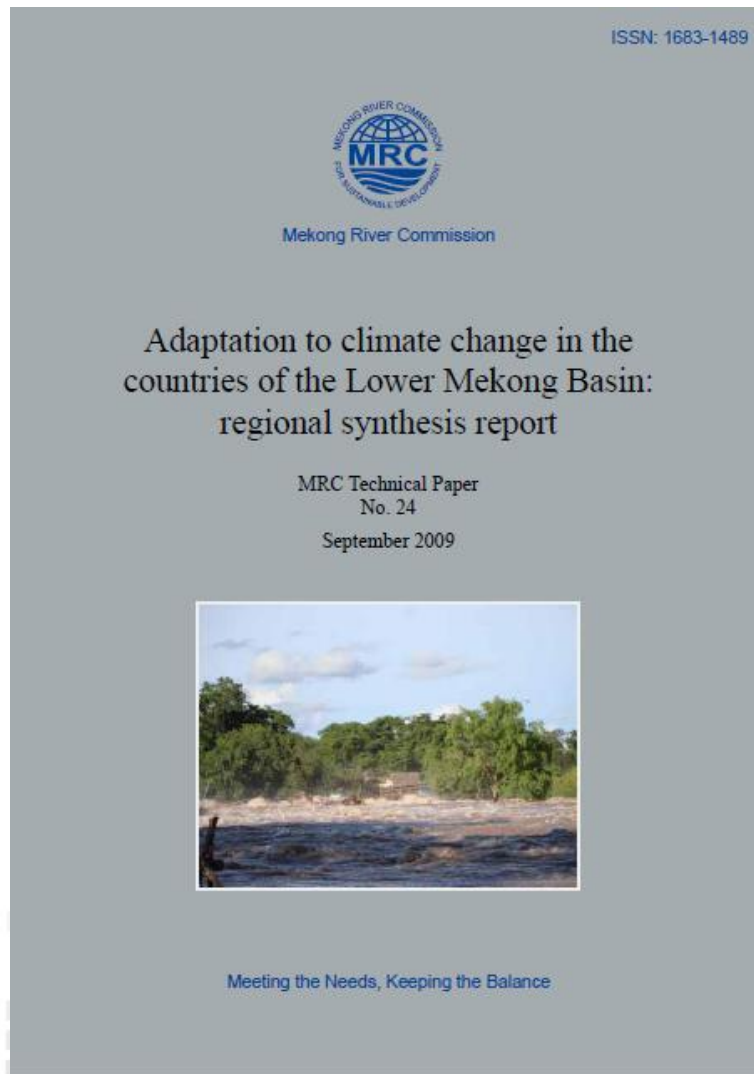
- CC Scenarios
- Monitoring system
- Report on status
- CCA adaptation strategy for the LMB
- Institutional arrangement
- Partnerships
- Communication



SOME OF OUR KEY



Publications





Four Demo projects to implement local adaptation activities: being implemented



A basin-scale vulnerability assessment and adaptation planning for wetlands, biodiversity, and **food security**: being conducted.



A Mekong CCA monitoring system and a climate change database for the LMB: agreed with MCs and being developed



**Thank you for
your attention!**