



Purpose and linkages









Monitoring and reporting on the status of climate change and adaptation in the Lower Mekong basin



MRC's monitoring and reporting system on climate change and adaptation

Contribution to:

- The regional report on status of climate change and adaptation
- The State of Basin Report
- The Mekong Adaptation Strategy and Action Plan (MASAP)
- The Basin Development Strategy
- National adaptation planning
- Global assessment of status of climate change and adaptation (IPCC's report)

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Indicator-based system



Pressure

Change

Impact & Vulnerability

Adaptation

2 indicators:

- GHG
- **ENSO**

22 indicators:

- Monsoon
- Tropical cyclone
- Temperature
- Rainfall
- Evaporation
- Humidity
- Sunshine durations

55 indicators:

- Water quantity
- Water quality
- Land
- Biodiversity & ecosystem
- Socioeconomic
- Agriculture
- Fisheries & aquaculture
- Food security
- **Energy security**
- Flood damage
- Drought damage

8 indicators:

- Policy & institutional response
- Adaptation response

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Steps and process



- 1. Development of a concept and workplan
- 2. Selection of a set of indicators
- 3. Development of methods for data collection and analysis
- 4. Defining baseline values of indicators
- 5. Reporting, refining and capacity transfer

Stakeholder engagement: consultation and participation

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Lessons learned



- To save time, steps 1-4 should be done together, interactively
- Climatic and hydrological indicators are easier to assess compared to ecological and socio-economic indicators due mainly to lacks of data or inconsistency of data across the borders
- Stakeholder engagement is needed but it's time and resource demanding
- Resources are required for continuous development and maintaining of the system

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Thank you

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