



Cambodia

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Ministry of Water Resources and Meteorology

Toward Integrated Water Resources Management

Specific issues/needs in Cambodia:

- In-situ observation network and data storing platform
- Lack of flood/drought forecasting and early warning systems
- Climate change impact assessment

To address these issues, we need:

- (1) Observation network and data management system
- (2) Capacity building including
 - a) Accessibility to numerical weather prediction data.
 - b) Hydrological models for operational use.
 - c) Decision support and information dissemination tools.
- (3) Understanding of the current situation and climate change impact assessment

Outputs

- (1) Demonstrate improvement of water cycle observations data management systems and information dissemination systems [real-time data, long-term data, model output, etc.]
- (2) Demonstrate capability of flood and drought forecast and early warning on an operational basis
- (3) Understand the current situation and assess climate change impacts on seasonal patterns of water cycle variables, floods, drought, agriculture, water quality (health), etc. and provide recommendation for adaptation measures based on IWRM practices

Key Leaders

- Governmental sector:
 - Ministry of Water Resources and Meteorology
 - Ministry of Agriculture, Forestry and Fishery,
 - Ministry of Environment
 - High-level Coordination Body among the Ministries
- Tonle Sap Authority
- Cambodian Academia (University, research institute)

Link with GEO-Water data

- Data Needs
 - Satellite sensor data / product
 - GSMaP
 - AMSR-E, AMSR2
 - PALSAR, PALSAR2
 - MODIS
 - Model data
 - JRA-55
 - CMIP5
 - In-situ data
 - AWCi archive