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For sustainable development



Council Study

Summary Content of the Interim Modelling Report

Hydrologic Assessment/Modeling Team

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Report outline - **Data**



- Description, comparison and quality of the used datasets (EP, HYMOS, DSMP, WUP-FIN)
- Analysis methodology (LOADEST)
- Reliability and applicability of the derived sediment and nutrient rating curves
- Data analysis results focusing on sediment and nutrient trends
- Knowledge Base update

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Report outline – **Upper Basin modelling**



- China to Kratie
- Setup and calibration of the **SWAT** watershed flow, sediment and nutrient model
- Setup and calibration of the **ISIS** mainstream hydrodynamic, sediment and nutrient model
- Conversion from **IQQM to Source** water resources model including testing results
- Verification of Source sediment and nutrient reservoir **trapping** model

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Report outline – **Lower Basin modelling**



- Kratie to the Sea
- Setup and calibration of the SWAT and VMOD watershed flow, sediment and nutrient models for **Tonle Sap watershed**
- Setup and calibration of the EIA-3D flood, water quality and productivity model for **Tonle Sap lake and floodplain**
- Setup and calibration of the Integrated Impact Assessment Model (ISIS + WUP-FIN) for the **Cambodian Floodplains and Vietnam Delta**

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Report outline – **Way Forward**



- Main remaining issues and tasks
- Approach for the scenario analysis
- Conclusions and recommendations
- Work Plan:
 - Finalisation of the model calibration
 - Production of modelling results for the BioRA-team
 - Support for the other thematic teams
 - Knowledge transfer and capacity building for the countries