Using Senses to Support Trans-boundary decision making processes

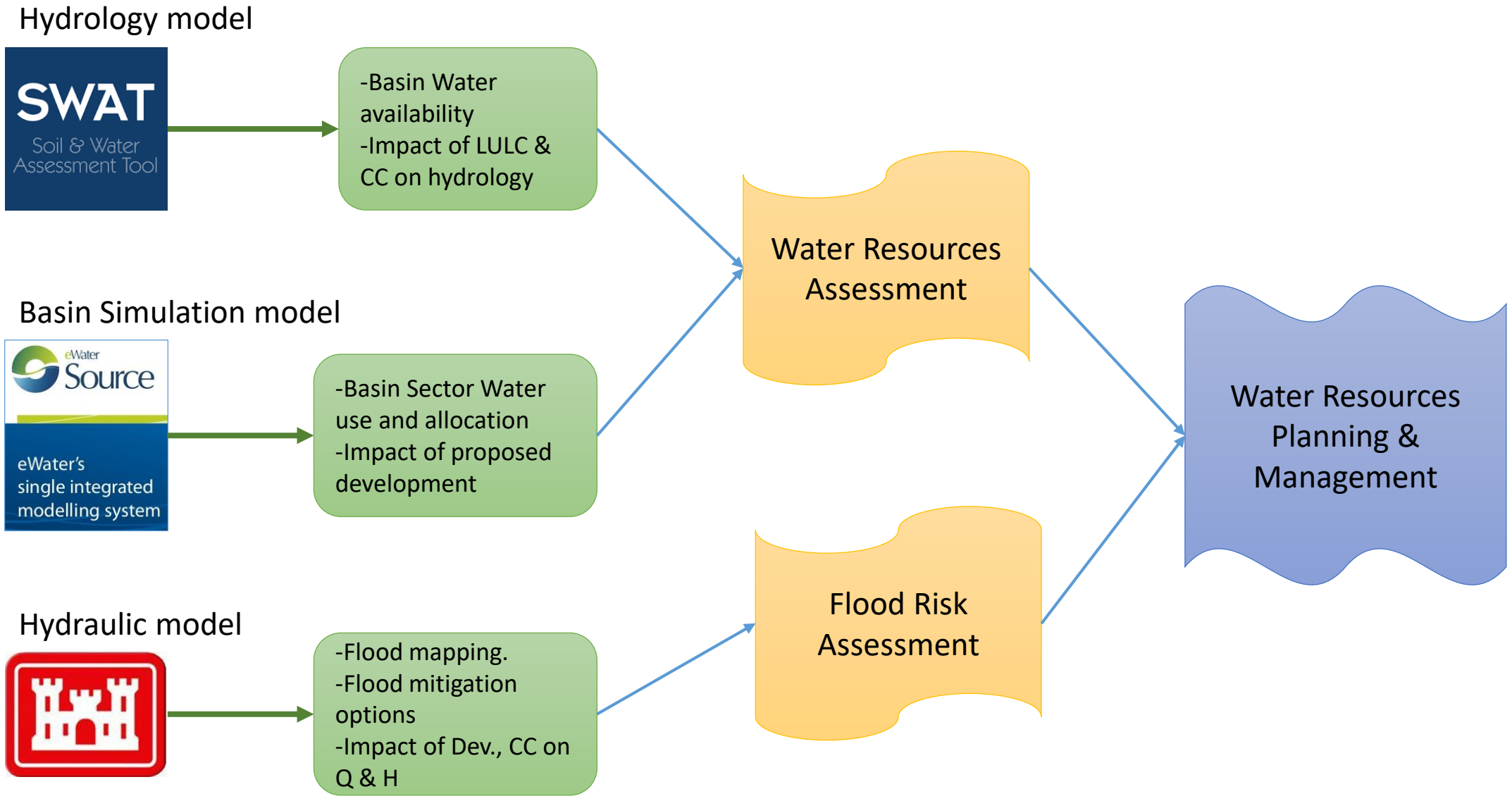
"Water Resources Modeling Application"

Presented by: Oulaphone Ongkeo

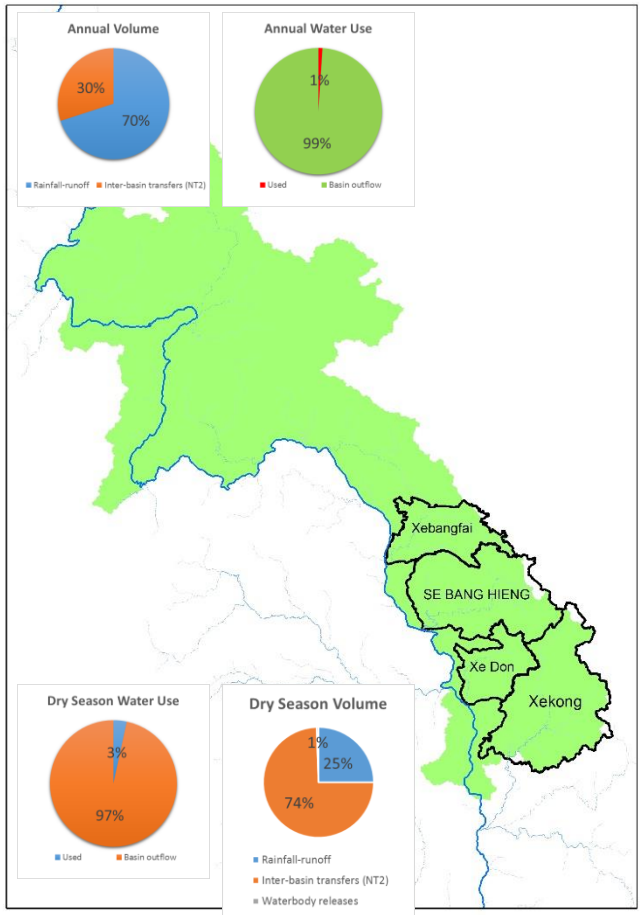
Natural Resources and Environment Research Institute

MONRE, Lao PDR

Water Resources Modeling Tools



Hydrology & Basin Simulation Model Application for Water Resources Assessment:



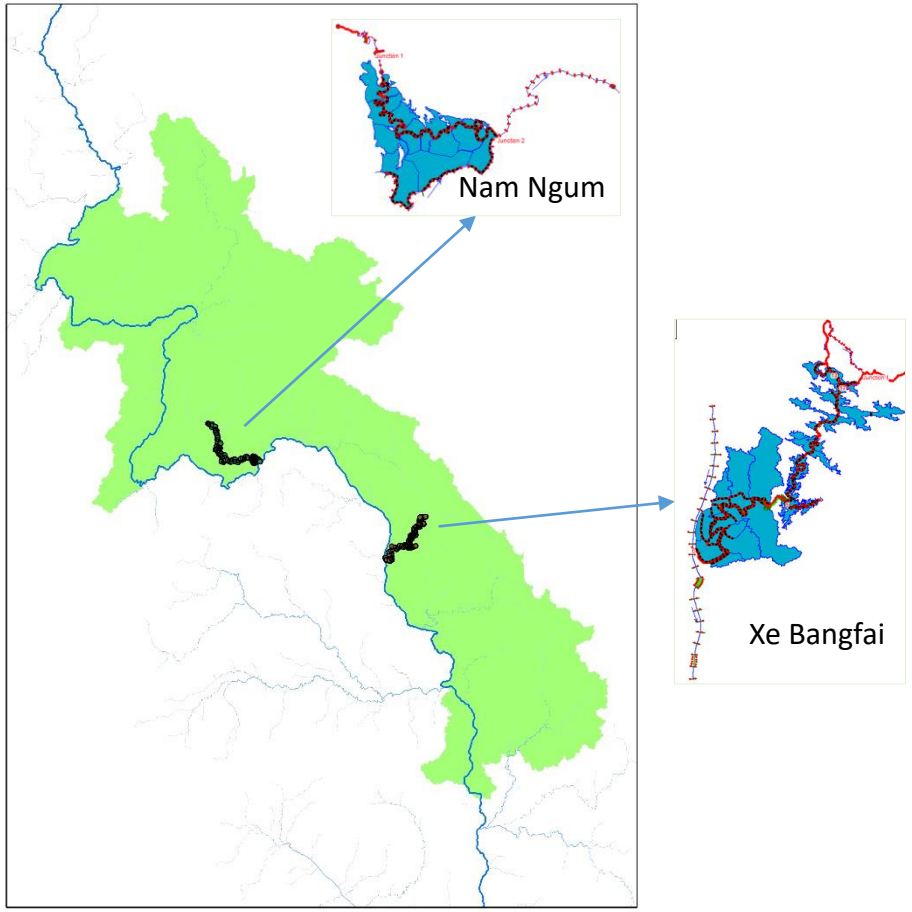
Limitation of Basin Simulation Model Application:

-Climate Data

-Discharge data for calibration

-Sector Water use data: Hydropower, Irrigation, Industry,…

Hydraulic Model Application for Flood Assessment



Limitation of Hydraulic Model Application:

-Topographic and River cross-section data

-Water level for calibration & flooded map for verification

Thank you for your attention