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Comparison of Collaborative Risk Informed Decision analysis and IWRM for a water supply case in the Philippines.

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We have compared the Collaborative Risk Informed Decision Analysis(CRIDA) method to traditional Integrated Water Resources Management Planning (IWRM) through a water supply case study in Central Cebu, the Philippines.
In 2006 an IWRM planning process was applied to the Central Cebu region with the goal to “meet demand for safe water supply and lay the foundation in addressing the related issues of water quality and watershed protection”. The stakeholder led process resulted in the selection of a final water management strategy titled, “Water for all Cebuanos”. While the 2006 planning study was successful in selecting a stakeholder approved water management strategy, much advancement has since been made in decision making under uncertainty. The CRIDA approach, combining a bottom up decision scaling approach with adaptation pathways, to planning under uncertainty was applied in hindsight to the same case study. This resulted in updated recommendations for the Central Cebu water supply system. The paper shows how and why by following the CRIDA methodology we may arrive at different recommended pathways for adaptation given the set of decision criteria and the methods used for incorporating long term uncertainty in the evaluation