

PLANNING AND ALLOCATION

Water is essential to economic value, crop production, habitats, energy, and quality of life. To ensure there's enough to go around, water resources must be managed as one comprehensive system that includes supply management, storage and routing, and the interaction between surface water and groundwater.

All these systems and processes are intricately linked, requiring the right analysis and tools for planning and operational decision-making. For example, irrigation affects the timing, volume, and location of surface waters; groundwater extraction for irrigation can deplete surface water sources, and surface structures change groundwater recharge rates.

The RTI Center for Water Resources can help you bring the complete system together with fully connected tools and capabilities. Our solutions offer answers to questions about long-term water resources planning decisions, provide real-time operational tools to oversee water rights and allocation, and manage surface storage and groundwater extraction.

Guiding management of surface water and groundwater sources to meet current and future demands



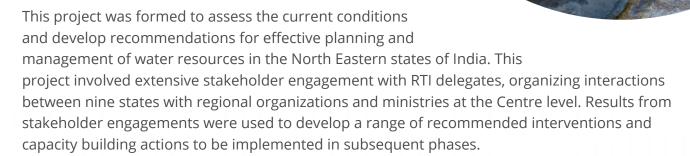
FEATURED PROJECT

North East India Water Resources Rapid Assessment

Client: World Bank
Country: India
Sector: Water Supply

Related Services: River Basin Operations, Hydro-economics,

Source Water Protection, Ecological Assessment





Water rights, accounting, and allocation

Overland flooding and dynamic routing, waterlogging, and groundwater recharge

Surface control structure routing and operations

Long-term water resources planning

Remote sensing estimates of evaporation and transpiration

Groundwater modeling, mapping, and pumping

Coordinated irrigation supply between surface and groundwater resources

