



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



This project was formed to assess the current conditions and develop recommendations for effective planning and management of water resources in the North Eastern states of India. This project involved extensive stakeholder engagement with RTI delegates, organizing interactions between nine states with regional organizations and ministries at the Centre level. Results from stakeholder engagements were used to develop a range of recommended interventions and capacity building actions to be implemented in subsequent phases.

ADDITIONAL PLANNING AND ALLOCATION SERVICES

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



Center for Water Resources

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