

Basin Planning

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Summary:

River basins are the natural accounting units for water management. However, since political decisions are made by cities, districts, states and the federal agencies using jurisdictional boundaries that do not coincide with the river basins, water managers have dilemmas to appropriately coordinate decisions in the basin. Therefore, the challenge in river basin planning and management is to achieve the lofty ideals of geographic and ecologic integration in the messy context of river basin politics.

The basic goal of river basin planning and management actions is to achieve the best integrated results for the human and ecological systems in the basin. Problems faced involve both quantity and quality of water.

This lecture provides institutional and management measures with physical and institutional setting of river basins, roles in river basin planning and management. The presentation also covers techniques for studying water quantity and quality actions for river basin planning and management with case studies in Korea and the United States.