



Aquatic Ecosystems and Water Resources

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Message from the Guest Editors

This Special Issue aims to bring together examples from around the world that reconcile the seemingly opposite objectives of maintaining aquatic ecosystems and development of water resources. The first part will summarize the current understanding of aquatic ecosystem–water linkages, such as how water flow and quality affects biodiversity, and the physical and biogeochemical ecosystem processes that regulate downstream flow and water quality. The second part will highlight recent experiences describing management and restoration of aquatic ecosystems in the context of integrated water resource management. Examples can span from technical aspects such as the development of environmental flows for rivers, water monitoring (groundwater, biomonitoring of water quality, etc.), river channel restoration and constructed wetlands for urban wastewater, to integrated water resources management and policy development for regional water security.

