

## Governance of the Waters in the Upper Iguazu Watershed: Case Study in Passaúna and Miringuava Watersheds

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**Abstract :** The concept of Brazil's water governance has been the topic of discussion and has undergone legal and organizational improvements due to the need to promote a more effective and sustainable relationship with natural resources and stemming from conflicts related to shortcomings in decision-making. The Waters Act has enabled Brazil to create interesting mechanisms for integrated management, but, on the other hand, it has created a challenge that involves the implementation of the principles established in this legal framework. This study aims to evaluate some challenges and opportunities for water governance in two watersheds based on data collection and analysis of concessions, the water use register, and flow data. The elements presented demonstrated, via an analysis of legally instituted criteria, that the level of commitment of water resources is high, especially to public supply, and the adoption of the reference flow constituted one of the main barriers to implementing an efficient system, demonstrating the need for a regulatory policy that considers the hydrological behavior of the watersheds. Finally, the current water management model presents challenges to be addressed to achieve the objectives proposed by the water policy, such as ensuring sustainable, rational, and integrated use of water resources.

**Keywords :** management, hydrology, public policies, Brazil

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