

Hydrological foundations of integrated management of water resources of the Dzama River

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Water resources in Georgia require rational development and integrated management. The complex use of groundwater resources potential will play an important role in the development of the country.

For example, Georgia have big potential of hydropower but today we used only twenty percent. It should be noted that, in this areas it is possible to use water resources not only for energy purposes but for complex purposes (for irrigation and for drinking/household purposes).

Watershed of Dzama river is chose for visualization of integrated water resources management and in that case hydrological regime of this river can be effectively used as a foundation of that management.

Studying the hydrological regime of the river will allow us to understand the resource and potential of the river, which will be used in many directions, including: for the implementation of engineering systems and flood warning systems.