

# Short-term Hydrological Forecasting on Drini and Mati rivers Basins of Albania

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**Abstract.** The prediction of the discharge hydrograph from the precipitations and computation of flood routing on the catchments of cascades in Albania is treated using the mathematical model of unit hydrograph. The purpose of the forecast is to predict - the peak discharge of the Drini and Mati rivers stations and also to predict - the flood water stage in each of reservoirs of the cascade of Drini and Mati rivers. The methods of forecasting in different regions of the drainage basins mainly comprise two parts: the computation of the effective rainfall amount and the computation of the flow concentration. Many examples for the short-term forecasts on basins of Drini and Mati rivers are given. The results of the predicted discharge hydrograph have been satisfied.

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