Integrated hydrological information system for northern Algeria

ZORAN M. RADIC¹, M. RACHID TAIBI² & BRATISLAV STISOVIC³

¹ Faculty of Civil Engineering, University of Belgrade, Serbia
zradic@grf.bg.ac.rs
² ANRH, Alger, Algeria
³ ENERGOPROJEKT, Belgrade, Serbia

Abstract As a result of cooperative work of experts from Algeria (ANRH) and Serbia (Energoprojekt with the assistance of Belgrade University) through the project CRESNA (Carte des Ressources en Eau Souterraines du Nord de l’Algérie), an Integrated Hydrological Information System has been developed. The system consists of all data and information needed for surface and groundwater balance monitoring, regional hydrological analysis, and water management. This paper presents the structure of the developed system, some problems solved during the development and some aspects of water balance and regional hydrological relations developed for northern Algeria.

Key words geodatabase; hydrology; hydrological information systems; surface and groundwater balance