

## **MODERN CONFRONTATION OF THE MANAGEMENT OF ATHENS' WATER SUPPLY SYSTEM**

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### **ABSTRACT**

The Water Supply and Draining of the Greek Capital Company (EYDAP S.A.) together with the National Technical University of Athens (NTUA) has elaborated a plan concerning the management of Athens' water supply system. The objective of the aforementioned plan is the preparation of some rational, effective and viable regulations for the water supply system, so that the demand for water in EYDAP S.A.'s jurisdiction can be quantitatively adequately met, safely for the environment and the consumer, and financially prosperous. Methodologically this management plan is based on an advanced Decision Support System that uses prototyped simulation-optimization mathematical models as well as modern computer science techniques. The System also includes a Geographical Information System, a Water Resources Measuring System and an Estimation and Prognosis of Water Resources System.