

Abstract:

The object of the communication is to expose the Algerian experience acquired in the domain of small dams studies since 1987 at this day. Indeed, more than 40% of small dams having been the object of a study are today in exploitation and reach the aimed objective. The Algerian study offices developed their own methodology of calculation, Contrary to middle dams small dams have been considered otherwise seen their particularities: The consistence of studies has been modified appreciably by delays of realization passing 1'2 at 6 months reverberating thus, on a global amount that passed from 2,500.000 to 1,200,000 DAS(50000 \$ to 25000 \$» without affecting the quality and the reliability of the survey. This reduction in the consistence has been gotten thanks to the certain studies normalization and to the rationalization of works, as the hydrological study, the geological recognitions and geotechnic (bores, excavations, tests in laboratory), the hydraulic dimensionnement of construction works, the calculation of civil engineering of construction works in reinforced concrete and the drawn pieces.

To surround these studies better, a sample of more than about twenty small dams achieved And currently in exploitation, in 3 Wilayases of the north of Algeria. will be presented the diffusion of our experience certainly a few short in relation to certain countries of the Mediterranean basin deserves to be taken in consideration and can contribute somewhere to improve the security and performances of restraints collinaires.