Geophysical Research Abstracts Vol. 20, EGU2018-17082, 2018 EGU General Assembly 2018 © Author(s) 2018. CC Attribution 4.0 license.



The scale of infrastructures as a social decision. Case study: dams in Greece.

G.-Fivos Sargentis, Romanos Ioannidis, Georgios Karakatsanis, and Demetris Koutsoyiannis National Technical University of Athens

Organized societies require specific infrastructures, among which hydraulic projects are most important. Thus, for the functioning of a society, the water supply and drainage are prerequisites, while a new modern society also needs renewable energy in addition to, and in connection with, high quality water. Dams are key infrastructures in this process. Modern economic and social conditions do not define the limits of what we call "development". In this research we are mapping the limits of the development based on the capacity of the landscape, the water resources, the finances, the political aspects and the criteria of a city's development.