

Title:

the hydrology of arid areas: hydrological processes and modelling for water resources management

the paper will draw on experience from the Middle East, Southern Africa and the USA to discuss the special characteristics of hydrological systems in arid and semi-arid areas, including spatial-temporal rainfall variability and surface water-groundwater interactions, and the associated challenges of modelling hydrological systems to support the development and management of surface and groundwater resources.