

Flood Risk Management in Morocco: Facts and Adaptation Measures

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Floods are major risks that are usually associated with countries with humid climate, dense network of natural and man-made waterways, stormy seasonal weather, or particular coastal areas. However, in the past two decades, many arid and semi-arid regions in the world have experienced these extreme events. In Morocco, more than 300 areas were ranked at flood risk and many adaptation and flood reduction measures were adopted. These floods are mainly due to climate change, high flood vulnerability and lack of maintenance in many water streams infrastructures. In this work, the conceptual framework for flood risk assessment, as being practiced in Morocco, along with the policy development for flood risk management at national and regional levels will be presented. Major Flood events that have occurred in many parts of Morocco and the resulting damages will be shown and analyzed. The executive aspects related to land use policies, protection, maintenance, preparedness, response and governance will be discussed.