
Location Burkina Faso & Mali (West Africa)

Type of project Water Resources Management

Client Danida



Description

The objective of the study was to evaluate the potential impact from climate change to the activities supported by Danida in Mali and Burkina Faso. These include activities within the agricultural sector, the energy sector, education and water & sanitation.

DHI provided assistance to the water resources aspects related to the evaluation. Changes rainfall and temperature pattern may impact the infrastructures such as roads, dams, water supply facilities and sanitations facilities.

Visits were made to each of the countries to meet national stakeholders involved in the respective programmes as well as active development organisations in the countries.

A common feature in both countries was that limited financial resources were used for monitoring the present situation of the water resources, thus making it difficult to quantify the present and future impact from climate change.

In both countries it was recommended to intensify the monitoring of the water resources as well as strengthening the awareness among policy makers and professionals on the importance of taking climate change into account when planning future infrastructure projects.

Among the specific recommendations were:

- Review of design criteria for groundwater wells.
- Review of design criteria for dams and security review of existing dams.
- Pilot studies on water allocation on sub-basin levels including simulation of reduced water availability.