Climate Change Impact Assessment for Sustainable Land, Water and Soil Management in Somaliland

STONE ENVIRONMENTAL
100% EMPLOYEE-OWNED

Services / Expertise
Probabilistic Modeling / Uncertainty Analysis
Climate Change Resilience Modeling
Hydrology and Water Quality Modeling

Markets
Environmental Consultants and Engineers

Project Location
Togdheer Region, Somaliland

Date Completed
04/2022-12/2022

Project Owner
Ministry of Planning and Development of Somaliland

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20211254

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A small field in Somaliland, bracketed by embankments for more efficient spate irrigation

SOMALILAND, a de facto state in the Horn of Africa, faces significant challenges due to land degradation, over-exploitation of natural resources, and water shortages. Climate change is expected to further affect the well-being of the population and the sustainability of the environment. To mitigate these impacts, the Ministry of Planning and Development of Somaliland has called for a feasibility study on "Sustainable Land, Water and Soil Management in Somaliland."

A consortium, led by Consulting Engineers Salzgitter (CES), Germany, is conducting this feasibility study in the Togdheer region of Somaliland. The cornerstone of the study is the development of a sustainable land use plan with the aim to improve, prepare and adapt to the deteriorating environmental conditions. Stone is carrying out the climate change impact assessment to identify current and future hydro-meteorological boundary conditions critical to develop and implement the sustainable land use plan. The German Development Bank (KfW) has funded the study.