

The Water Resource
Implications of Changing
Climate in the Volta River
Basin

Matthew McCartney, Gerald Forkuor, Aditya Sood, Barnabas Amisigo,
Fred Hattermann and Lal Muthuwatta



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Author :Matthew McCartney Gerald Forkuor Aditya Sood
Barnabas Amisigo Fred Hattermann Lal Muthuwatta / **Category**
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Summary : Free the water resource implications of changing climate in the volta river basin pdf download - the volta river is one of the major rivers in africa in this study a dynamic regional climate model cclm a hydrological model swat and a water resource model weap were used to provide an assessment of one downscaled middle impact climate change scenario on the performance of existing and planned irrigation and hydropower schemes the results indicate that by the middle of the twenty-first century altered climate is likely to undermine the technical performance of existing and planned reservoirs which will in turn affect development outcomes future water resources development in the basin requires interventions that bolster resilience and water security much more systematic planning of water storage greater cooperation between the riparian states and consideration of innovative approaches to water storage are needed

Publisher : IWMI on / **ISBN :** 9789290907640



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