

Project on Climate, Water and Agriculture: Impacts on and adaptation of Agro-Ecological Systems in Africa

S. Jain

Department of Mathematics and Statistics, University of Zambia, Zambia
sjain@natsci.unza.zm

The GEF funded project ‘ Climate, Water and Agriculture: Impacts of Agro-Ecological Systems in Africa’ under the coordination of the Centre for Environmental Economics and Policy in Africa (CEEPA) started in December 2002. The project’s approach on the assessment of the economic impacts of climate change on Agriculture will be based on Ricardian analysis which is a multiple linear regression model. The response variable is Net Farm Revenue per hectare which will be regressed on climate variables, soil characteristics, farmer’s adaptations to varying climate conditions, literacy rates and other socio-economic variables. The first year of the project will be devoted to agricultural –economic data collection through surveys in each of the participating countries. A regional database of country data will be created and maintained by CEEPA.

End users (Poster)