

## MODELING PGIS FOR MULTIPURPOSE CADASTRE (MPC) IN GHANA

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The objective of the study was to investigate whether a Participatory Geographic Information System (PGIS) can be modeled for a multipurpose cadastre in Ghana. A wide range of literature on other researchers work has been reviewed. A conceptual model of PGIS for MPC has been established with implementation plan. Integration of the established model in the national cadastre system in Ghana will be significant for the nation's sustainability development. The model has a potential to support spatially enabled government, private sectors, and society and to expand information technology communication (ICT) in the process of visualization, organization and management of useful land information. It also has the capacity of reducing or avoiding detrimental community resource conflicts.

**Keywords** Multipurpose,Cadastre,PGIS,Land conflicts