

Application of the Social Tenure Domain Model to Recognition of Indigenous Rights in the Philippines

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ABSTRACT:

This paper presents the customization of an international standard data model to accommodate the land rights of indigenous peoples in the Philippines. The Social Tenure Domain Model (STDM) is used as base data model. The existing legislation is examined for its land administration aspects and corresponding spatial dimensions in order to derive a specialized model applicable to indigenous rights as defined by the IPRA. User requirements were identified from the examination of the literature regarding the background and current situation of ancestral lands and indigenous rights. A comprehensive model of relationships and constraints was then produced from those user requirements. Finally, a prototype was implemented using open source software.

The resulting customized STDM shows that the underlying domain model is versatile enough to accommodate the IPRA and be implemented using open source software. It can thus be a good base to create inclusive and inexpensive land information systems.

