

UML Conceptual Framework for the Investment Potential in the Sudan

Shanan Mohamed KHEIR and M. A. GORANI, Sudan

Key words: Geoinformation/GI, Implementation of plans, Land management, Spatial planning, Unified Modelling Language, conceptual framework, GIS

SUMMARY

A conceptual framework for the investment potential domain model was developed using the structural view and relations of the Unified Modelling Language. The modelling language though was initially intended for software engineering development, yet revealed robust and concise modelling capabilities to express the investment framework. The conceptual framework was treated both in high and low level conceptual domain that can be further developed to complete GIS model. The framework is believed to articulate the required static and dynamic relations between the different parts of the model especially at high domain level, while the lower level part of the model reflects an efficient mechanism to minimize the representational gap between the actual classes of spatial data and the object-oriented classes at the programming level.

CONTACTS

Dr. Mohamed Gorani
Head Dept.
University of Khartoum
Khartoum
SUDAN
Tel. + 249 183 77 15 88
Fax + 249 183 77 40 66
Email: sedic@sudanmail.net

Dr. Mohamed Shanan
SUDAN
Email: dr.shanan@yahoo.com