

Development and Implementation of Metadata Structure in Nigeria – A Case Study of Federal Survey Department

**Olaide Suraj ONABAJO, Olasunkanmi Olatunde AKERELE and Solomon Babatope
OLUKOTUN, Nigeria**

Key words: Metadata, Standard, Clearinghouse, Geospatial

SUMMARY

Metadata has been described as a data about existing data and its existence will define nature and quality of the data for a specific usage. The aim of the paper is to put in place a metadata structure for Federal Surveys as the National Mapping Organisation in Nigeria. This metadata structure will enhance the implementation of the newly constituted 27 member Presidential committee on National Geospatial Data Infrastructure (NGDI) by the Federal Government of Nigeria.

With the above aim, the following objectives would be achieved:

- (i) What data exist i.e available data
- (ii) Usage of the data
- (iii) Information on means of accessing the available dataset
- (iv) Avoids duplication of efforts through awareness campaign
- (v) Encourage data exchange and data sharing

The paper will also focus on the implementation using ISO standards and U.S. Federal Geographic Data Committee's content data for Geospatial data as a guide while relational database will be created with the following fields as records.

- (i) Scale of the data
- (ii) Structure and format of the data
- (iii) Geographical coverage or location
- (iv) Quality of data

In conclusion, the paper and the realization of its objectives would be a motivating factor for other organization/stakeholders in the Geospatial community in Nigeria. This will in turn accelerates the implementation of NGDI and accord core Geospatial data as an 'asset' that plays a significant role in the economy of a developing nation.