

# Environment for Sustainability

Stanley IWUNDU, Nigeria

**Key words :** Geoinformation/GI, GNSS/GPS, Implementation of plans, Reference frames

## SUMMARY

The cardinal purpose of this paper is to examine the environmental issues and their immediate sustainability measures in Nigeria. This is pertinent because Nigerians are increasingly confronted with a number of challenges which demand urgent attention. These challenges tend to be characterized by environmental issues like pollution, deformation of building projects, urban sprawl, solid waste disposal, slums and squatter settlements, flooding and road/highway dilapidation. The objective of this paper focuses on a comprehensive approach of tackling the environmental bottlenecks affecting the hygienic and sustainable state of the environment using Geographic Information System (GIS) and Remote Sensing Techniques (RST) as a monitoring tool. Thus, the adopted method of approach is essentially by the use of Geographic Information System (GIS) and Remote Sensing Technique which adequately provide salient information regarding the effective solution and monitoring of these ecological problems. Consequently, from the Surveyors' perspective, Geographic Information System as an application tool is effectively adopted in monitoring, analyzing, modeling and processing the georeferenced information which eventually assists in the alleviation of these problems. Hence, it is imperative to know that several human activities such as slums and squatter settlements, oil spills, blockage of water drainages etc contribute to the degradation of the environment. Therefore, Geographic Information System and Remote Sensing Techniques are the comprehensive approach tools employed in the consistent sanitation and ethos of sustainable development as a vital concept in today's preservation of the natural environment. The paper concludes by giving recommendations that the present environment should adopt the use of Geographic Information System (GIS) and Remote Sensing Technique as a vital tool in curtailing the adverse degradation of the environment and its impact which eventually brings about the sustainability of the affected environment