

# **Emerging Practical GNSS Applications and Their Impacts on Socio-Economic Impacts in Zambia and the Sub-region**

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## **Key words:**

## **SUMMARY**

It is evident that the emerging practical usage of GNSS Technology is causing notable impact on socio-economic development in Zambia and the Sub-Region. In recent years GNSS applications and uses in the fields of surveying, mapping and earth sciences, air and land transportation, environment and agriculture have experienced significant growth and have a high unexposed potential. The greater challenge is to scale up GNSS technology applications and usage to levels that should make them more appropriate and thereby increase opportunities that will help address sustainable developmental issues the country and sub region face.

The paper presents notable GNSS activities being implemented in Zambia and the sub-region and discusses critical underlying factors causing increased levels of GNSS activity. The cases discussed range from project-focused interests to regional networking efforts.

Future prospects and some strategic aspects relating to GNSS longer term investment at national and sub-regional levels such as policy and standards frameworks, awareness and education, adoption and accessibility of GNSS technology to public, private and consumer levels, technology infrastructure, product promotion and marketing arrangements are presented.

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