

# Remote Sensing of African Mountains: Geospatial Tools towards Sustainability.

Samuel Adelabu (South Africa)

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## SUMMARY

Mountain environments are located on every continent and are crucial for their ecosystem services and functions. These environments provide a range of resources, such as meat, milk, wool, water, and soil preservation. However, due to climate change and its various effects, along with shifting socio-economic patterns around these areas, it is necessary to address these emerging challenges. This requires strategic planning and a thorough understanding of mountain ecosystems, which is where new technologies like geospatial tools (remote sensing and GIS) come into play. This study examines the use of remote sensing and GIS to evaluate and monitor mountainous ecosystems in Sub-Saharan Africa, with a particular focus on detecting changes caused by climate change and human activities.