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THE REQUIREMENTS OF THE AFRICAN EAST RIFT IN A SPACE PROGRAM IN AFRICA

Abstract

The planet activity continues to modify the terrestrial surface started several million years ago. The African East rift is going to change the landscape of African with some consequences on the ground. Due to the plate tectonics, the lithosphere becomes thinner at some points between Somalia and Tanzania. The observation constellations from Space combined with seismological data on the ground should provide the projection of the territories for the futur decade. It will concern the way to populate and to build the infrastructure in the areas concerning by the effects of the rift. Further, the opening of rift should change the climate conditions and the geological activity of the area from Somalia to Tanzania. It means the understanding of the distortion points should avoid the consequences of this activity noticed at South West of Kenya in Narok area. At this point, the commercial road of Mai Mahiu Narok has been cut. The study including Space should combine the Space observation, the geo-science, the social science, the cyber science, the geography. All these topics are the basis for a specific African program for risk management in which Space would be the core of the project. The subject of the program is extended at several countries with many interactions between the countries. Moreover, the next generation of sensors in Space should improve the monitoring of the rift.