

INSAR ANALYSIS AND MONITORING OF ACTIVE AFRICAN VOLCANOES USING RADAR SATELLITE IMAGERY: THE SAMAAV PROJECT - PRELIMINARY RESULTS

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the SAMAAV team:

We will present the SAMAAV project that is focusing on the observation and the analysis by InSAR of ground deformations related to the volcanic activity of four major African volcanoes. Compared to other places in the world, the study and monitoring of the Ol Doinyo Lengai (Tanzania), the Nyiragongo Nyamuragira (DRC), the Mount Cameroon and the Fogo (Cape Verde) is generally limited and often not present at all. The main objectives on this project are the study of past eruptions using archived SAR data, the study of the deformations that can occur between these periods and the monitoring of future deformations by the use of InSAR data acquired on that purpose.