

ISPRS SC SUMMER SCHOOL
MAKERERE UNIVERSITY KAMPALA

Introduction to SAR Data

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The summer school took place on 22nd to 24th July 2019 at the GIS Center of the College of Engineering, Design, Art and Technology, Makerere University, Kampala, Uganda. The summer school was attended by about 25 participants from different institutions around Uganda. It was facilitated by Prof Mahdi Motagh from Leibniz University, Germany who gave a series of lectures on the use and acquisition of SAR data.

The first day of the summer school focused on general introduction and theory on SAR data and its acquisition. Participants were introduced to different data sets and platforms where SAR data can be obtained for free. These included ESA Spot 1-5 Archive, RapidEye ESA Archive, WorldView-2 EU cities dataset, Envisat MERIS RR and FRS.

The second day involved practical sessions on the analysis and interpretation of SAR data. The participants worked with two data sets for two cities: the city of Bam in Iran where an earthquake had occurred, and Mexico City in Mexico where the ground was deformed due to ground water abstraction. From the analysis, participants generated their first interferograms.

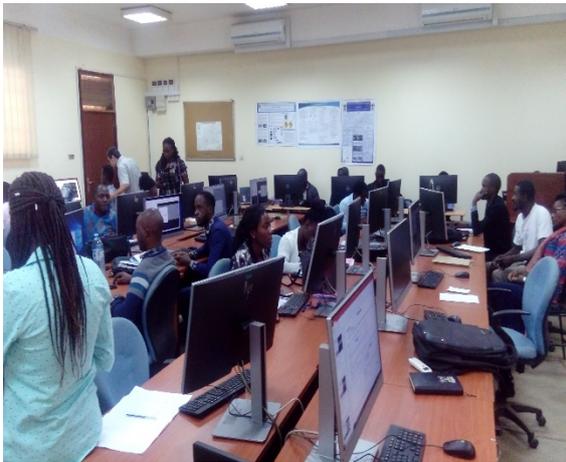


Plate 1: Some of the moments during the summer school

The third day was a continuation of the second day with participants extracting ground deformation from SAR data and interpreting the interferograms generated.

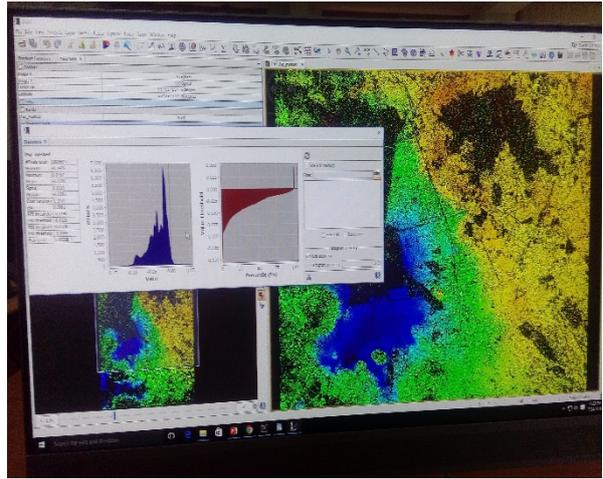


Plate 2: Some of the outputs from the analysis by participants during the summer school

The summer school was different from the usual ISPRS SC summer schools since it was held for only three days. It concluded with each participant being awarded a certificate of attendance by Prof Madhi Motagh.