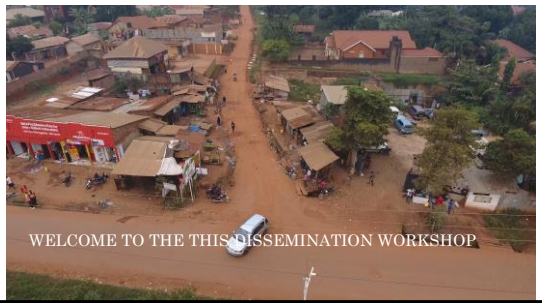

BACK GROUND

- Makerere University received special funding from the Government of Uganda to support high impact Research and Innovations that informs national development priorities.
- The fund illustrates the increasing importance that the Government attaches to Research and Innovation as a catalyst to Uganda's march towards Middle Income Status. This is in order to increase the local generation of translatable research and scalable innovations that address key gaps required to drive Uganda's development agenda, especially the un-funded priorities.
- Under this fund, the Department of Geomatics and Land Management (DGLM), Makerere University. Was awarded a a research fund under RIF to explore the use of drone technology to speed up implementation while minimizing costs for infrastructure development projects

INTRODUCTION

- The government of Uganda has consistently paid more than budgeted and anticipated on road projects. This increased payment is primarily linked to claims on developments made alongside the road corridor from the time the project is initiated.
- There are technologies today that can monitor this corridor once declared as the project area. One such technology is the use of a drone to capture imagery before, during and at the end of the project period. The gathered information can be used to guarantee that compensation is made to the right tune for guaranteed developments in the project area.
- This project, therefore, seeks to explore the use of drone technology to capture UpToDate data on the developments within the road corridor so that estimations for compensation are based on reliable data.

RESEARCH COMPONENTS OF THE PROJECT

- INVESTIGATING THE OPERATIONAL ENVIRONMENT FOR USING UNMANNED AERIAL VEHICLES (UAVS) IN ROAD INFRASTRUCTURE PROJECTS IN UGANDA
- ASSESSMENT OF THE GEOMETRICAL ACCURACY OF UAV MODELS FOR USAGE ON INFRASTRUCTURE PROJECTS INUGANDA
- COMPARATIVE ANALYSIS OF THE USE OF UAV DERIVED MODELS AND TRADITIONAL VALUATION PROCESSES IN RAPID VALUATION FOR COMPESATION ON ROAD INFRASTRUCTURE PROJECTS