



JRS Biodiversity Progress: GIS and Remote Sensing

Farai Dondofema

University of Venda

Student Enrollment

- **Mr. Kudzai Shaun Mpakairi**
 - **MSc in Environmental and Water Science- Registered 2021**
 - **Research title: Spatial characterization of dominant vegetation species clusters in the Khakea-Bray Transboundary aquifer.**
- **Ms. Berel Mangana Rampheri**
 - **PhD Environmental Sciences- UWC-2021)**
 - **Research Title: Remotely sensed delineation groundwater dependent ecosystems in Khakea/Bray Transboundary Aquifer.**

Desktop literature search

- **80% complete**
- **2 students worked on detail lit rev on the GIS & RS sections**
- **1 manuscript submitted:**
 - **Science of the Total Environment –Kudzai**
- **Target outcome is 2 by the 14th month hoping for Ms Rampheri to submit in the next month.**

Conceptualisation of the TBA

- **GIS & RS team has had two field visits to the RSA side of the TBA**
- **Identification of GDEs on the RSA side done**
- **Data for GIS & RS analysis collected**
- **Students busy downloading satellite imagery need for analysis**
- **Reconnaissance trip to the Botswana side scheduled (20-23 July 2021)**

Updating the Extent of the TBA on the SADC-GIP

- Preliminary data collected during the two sampling periods
- Meeting on data structure and data management protocols between SADC and selected committee - Pending
- Data from all expert groups to be added to the database - Pending

Procurement

- **All the listed items for the current procurement period have been ordered and deliveries are expected before the end of the month.**