Benefits from forest information system trainings

PRESENTATION OUTLINE

- 1. Use of SADC collect app
- 2. Operation for field data collection
- 3. RFIS website and its interface
- 4. Procedures to determine forest change in RFIS website
- 5. Importance of the RFIS website.
- 6. Use of google earth engine in determining Forest change.
- 7. Use of NDVI to determine forest and non forest area.

Use of SADC collect app

we developed our own system by using SADC collect app, a tablet PC and QGIS database to store all data collected from field. A tablet PC is used for field data collection.

What is in the field survey sheet

- 1.Location-where the information was collected.
- 2.Name-name of the species assessed e.g. Baobao
- 3.Tree DBH
- 4. Tree height
- 5.GPS coordinates-this gives us the coordinates where the assessment was carried out.
- 6.Tree damage; whether the damage was because of elephant/wildfire or other damage.
- 7.Damage intensity(low, moderate, extreme or very extreme)
- 8. Take a photo of the species you are assessing.

Operation for field data collection



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	Baobab_Field Survey
	Location? Kachikau
	Name?
	Measure DBH in centimeters
	Tree Height
	Collect GPS Coordinates -24.676186666666666666666666666666666666666
	Insert Tree Damage Because of Elephant
	Take a Photo 1561992326520.jpg

Go To Start

Go To End

RFIS website and its interface Interface



PROCEDURES TO DETERMINE FOREST CHANGE IN RFIS WEBSITE



http://sadc-rfis.appspot.com/customChange

IMPORTANCE OF THE WEBSITE

The website is used to show forest distribute

It can also be used in determining possible forest change. This will be helpful to the department determining degraded areas.



Use of Google earth engine can also be used to determine possible forest change



Use of google earth engine to create NVDI map

NDVI (Normalized Difference Vegetation Index) is considered as the best index to demarcate forest/non-forest area.

In the department this would be used in vegetation monitoring e.g. healthy vegetation and stressed vegetation.



Thank you