

KEYNOTE SPEECH AT THE 1ST TANZANIA USER GROUP CONFERENCE

It is my distinct pleasure to welcome you to 1st ESRI Tanzania user conference 2019. This two days from 26-27th you will be joining ESRI Eastern Africa bringing you captivating episodes on their newest technology solutions for planning and decision making for development.

It's always an extremely ambitious group of people who come to such an event, so am going to talk about a very ambitious subject-"mapping without limits" to work to not only do the very best thing for our business or organization, but also.....

I am sure there isn't a single person here in this two days that doesn't want to be more efficient, more productive and achieve higher quality of outcomes.

To achieve the said objectives above ESRI Global through ESRI Eastern African is countering with a complete location platform which part of geospatial technologies are necessary to create, collect, produce, manage, and share useful data and resources anywhere, anytime, and on any device.

Additionally, Geopolitical dynamics, socio-environmental issues, and economic downturns all take collaboration to solve. Using the ArcGIS platform to create a spatial data infrastructure (SDI) ensures that data and resources are available to the organizations and stakeholders that need them. From government ministries to lead agencies, everyone benefits from documented public works and utilities, protected environments and biodiversity, correctly assessed resources, and completed strategic planning.

In this due, Governments across the world rely on Geospatial technology to improve operations and services to citizens, track and evaluate activities to meet mandates and support initiatives and perform analyses that lead to better decision making.

Furthermore, the said technologies, provides a common platform for data sharing, which enhances workflow, decision making, and coordination across the national. Government Institutions, Non-Government Institutions, High learning Institution and other academia benefits from the outcomes of ESRI location platform technology. There are thousands and valuable advantages on ESRI geospatial technologies initiatives, among others, the technology brings transparency and accountability to government initiatives by engaging citizens through interactive maps.

The realization of this potential will unleash various opportunities that transport us to a never-before-seen "The Science of Where".

Am told the user group for this conference are:

- ESRI Eastern Africa;
- National Bureau of Statistics
- Higher learning Institutions
- Ngo's
- Private companies
- Other participants are GIS professionals, cartographers or other technical personnel who have background in computer applications and the internet inside and outside Tanzania.

The Tanzania National Bureau of Statistics has left a great imprint in “Modernized of official Statistics” through geospatial technologies. Web has changed every aspect of our life from our daily activities to our Statistical professional activities.

During the 2002 Population and Housing Census (PHC) NBS used ESRI products partially by then 3.1 ArcView were used for data analysis and map making for administrative boundaries.

During the 2012 PHC cartographic mapping, NBS deployed ArcGIS to develop the 2012 Geodatabase which has been an important and rich source of geographic information for various uses to the different stakeholders including government, Non-government organizations as well as private sectors.

In the coming the 2022 PHC NBS has planned to envisage on the usage of Collector for ArcGIS mobile Application during the pre-preparation activities. Additionally, Survey 123 for ArcGIS mobile Application will be deployed during the actual census enumeration whereby data will be directly captured and stored in the database in order to eliminate errors associated with redundant data entry.

NBS has already tested the said technology by revising two districts namely, Chamwino na Bahi in Dodoma region. In this exercise various geographic data including locations for schools, hospitals, police stations, communication towers and others were collected using mobile GIS-technology technique. Also, administrative units at different levels such as halmets, villages/Mitaa and wards were taken using similar technology.

Training led by experts from ESRI Eastern Africa – Nairobi Kenya were conducted and Officers from various Government Institution attended on this session that's including Ministry of Lands, Housing and Settlement Developments; Presidents Office, Regional Administration and Local Governments (PO-RALG); Ministry of Natural Resource; Tanzania Communication Regulatory Authorities (TCRA), National Identification Authority (NIDA) National Electoral Commission (NEC).

After the training officers from mentioned Institutions involved in the revision of mentioned two districts in Dodoma Region.

Land Administration Modernization Program

This initiative of ESRI, is to enable various countries-worldwide to utilize geospatial technologies to modernize their land administration systems. In the East African regional, countries such as Eritrea, Djibouti, Ethiopia and Tanzania are eligible using similar technologies for the betterment of their countries in land related context.

Establishing and maintaining an effective land administration system can be challenging. Property boundaries and the related rights, restrictions and responsibilities must be recorded and accurately maintained across an entire geographic area.

Over time, this data may have been captured in different data formats and accuracies making it challenging to integrate into a common database. Inaccurate or incomplete data can result in property conflicts or incorrect property valuations, which can lead to time-consuming and costly appeals and jeopardize public trust.

The goal of this User Group Conference

“Mapping without limits” is the theme of this year’s conference in recognition of the location and powerful capabilities of geospatial technology and its use in managing resources. Therefore, we can use ESRI mapping software helps you understand and visualize data to make decisions based on the best information.

Am up for the challenge and am hoping that this conference will be an inspiration to you all.

Very best regards.

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