Transforming Geo-Spatial Data to Web Map Service Solutions

Why this project?
The purpose of this is to improve the stakeholder's access and awareness of various outputs that are generated by the service areas. Some of these outputs are geospatial data, maps, tools/application and geoponals. This ultimately lead to informed decision making.

Objectives
- To improve access and awareness of geospatial data in the region
- To enhance the institution capacity to share data through various online platforms
- To develop tools and applications that address users needs in decision making
- To provide capacity building for users to use these products

Approach/Project Activities
- User Needs and Feedbacks
- Data Generation and Update
- Application Design
- Application Development
- Improvement and Delivery

User Driven Application development cycle

Outcomes/Anticipated Impacts
- Improved availability and usage of geospatial data in the region
- Improved capacity to use web based application by users
- Increased awareness on the importance of data sharing
- Simplified and cheaper data visualization without the need for a desktop applications

Project Partners & End Users
- Government institutions and departments in all sectors
- NGOs
- Private institutions
- General public
- Academic institutions of higher learning

Results

Tools Developed to Address Users Needs
- Malawi Hazards and Vulnerability Modelling Tool
- Land Cover Viewer for Green House Gas
- Biodiversity Map Viewer for Museums of Kenya

Geo-Portals Deployed
- Ethiopian Mapping Agency Web GIS Portal
- Rwanda Spatial Data Portal for Disaster Risk Reduction
- Lesotho Committee on Environmental Data Portal

Data Access & Awareness
- Apps Portal for accessing tools and applications
- Geoportal for Data Discovery and Download
- Portal for Publishing Story Maps