

MALAWI

MINISTRY OF LANDS – DEPARTMENT OF SURVEYS



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<https://www.lands.gov.mw/>



Workshop on United Nations Integrated Geospatial Information Framework (UN-IGIF) ahead of the Eleventh Session of the United Nations Regional Committee on Global Geospatial Information Management for the Africa (UN-GGIM Africa)

GEOSPATIAL INFORMATION MANAGEMENT

Data Collection

- Vector : Differential GNSS Equipment (cm), Hand Held GNSS Equipment, Tablets, Total Stations...
- Raster : Aerial imagery using drones & aeroplanes and procurement of Satellite Imagery

•Data Storage

- Servers and not in the cloud, manual & electronic backup in hard drives and hardcopies

•Data Analysis

- Analysis depends on the theme
- Quantum GIS and ESRI Softwares are used

•Data Disseminations

- Hard and soft copy maps, Portal (LIMS & MASDAP)
- <https://lims.lands.gov.mw/> and <https://www.masdap.mw/>

Alignment with UN-IGIF :

- Aligned to 8 of the 9 strategic pathways e.g Governance and Institution (MoL), Policy and legal (National Land Policy 2002, Land Surveys Act, 2016), Financial, data, innovation, Partnership, Capacity and Education, Communication and engagement (**Standards**)
- The current government strategy is developing CAP for establishment of NSDC



ENABLING FACTORS

- **Political Environment** – Creation of NSDC
- **Partnership & Funding**
 - World Bank, EU, FAO...
 - Legal, institutions, equipment, training
 - Africa
 - RCMRD
 - Training, Equipment, technology
 - Malawi Government
 - Subscriptions and training
- **Policy & Legal**
 - Laws and policies
- **Coordination mechanisms**
 - Governance structures
 - Land Reforms Implementation Unit



4.3.3.1 **LAND**

Land issues are at crisis levels. Malawi is one of the most densely populated countries in sub-Saharan Africa, with population



ENABLING FACTORS - COORDINATION

- Political Factor
 - In Government Manifesto
 - Exposure of our Minister or President
 - Conferences attendance and Launching of activities (LIMS, RCMRD)
 - 25% of revenue to LIMS operationalization
- Policy and Legal
 - Policy and Law
 - Seminars with lawyers for legal opinions



CHALLENGES AND BARRIERS – CAP DEVELOPMENT

- **Institutional Coordination**
 - Some institutions are not ready to collaborate
- **Funding**
 - Government funding not enough
 - Donors have a particular choose of funding areas, other areas are a risk
- **Data Access**
 - Some data is protected by institutions
 - Some data is for sell
 - Need portals for linkages
- **Technology capacity**
 - Always wanting to learn syndrome
 - Cost of technology – equipment & software
- **Human Capacity**
 - Attitude – sticking to old things / moral standards
 - Capacity building

There is need for awareness raising and leading by example (sharing data) to address these



CAPACITY DEVELOPMENT NEEDS

Learning from other countries and UN-IGIF and others:

- Guidance on how to improve financing mechanism
- Contribution of science, technology and innovation as source of economic growth and sustainable development
- Unification of approaches of CAP creation
- Practical result driven support
- Capabilities, and skills to advance the use of geospatial information management to address national priorities and global agendas.



LESSONS LEARNED AND NEXT STEPS – 5 YEARS

Main Lessons learnt

- Making sure our CAP is inline with UN-IGIF Framework
- Having a good political and legal framework
- Awareness raising
- Commitment

Next steps and Priorities

- Planning and preparation
 - Who will lead, create a plan and obtain commitment from senior government officials and key stakeholders
- Assess and analyse
 - Baseline study – Current status of national geospatial information – policy, data and infrastructure
 - Needs and gap analysis – Current situation against desired goals and align to principles of UN-IGIF across 9 strategic pathways
 - Engaging stakeholders – gather input, ensure collaboration and ensuring shared understanding
- Designing CAP, seek endorsement and start implementing it



NEXT STEPS – 1 YEARS – ADDRESSING STANDARDS

- Malawi Geographical Information Council (MAGIC) been established (Part VI – Land Survey Act) whose functions include:
 - Establish and enforce national spatial data standards;
 - Assist in the development and maintenance of a national spatial data infrastructure;
- Gazetting of MAGIC according to the law
- Start following steps for 5 years



THANK YOU



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