IGIF IMPLEMENTATION IN ETHIOPIA

Why implement the Integrated Geospatial Information Framework (IGIF) in my country?
IGIF IMPLEMENTATION IN ETHIOPIA

REASONS AND CURRENT STATUS
WHY IMPLEMENT THE IGIF?

- Geospatial data and Technology is fundamental and become increasingly demanding in all decision-making processes
  - National Development Plan
  - Home-Grown Economic Reform
  - The 2030 Sustainable Development agendas

- “EVERYTHING HAPPENS SOMEWHERE”

- NSDI Implementation in Ethiopia has been facing challenges due to lack of guiding framework or resources

- Ethiopia aspires to create a sustainable Geospatial data and Technology ecosystem
IGIF IMPLEMENTATION: KEY GOALS

Create Effective Geospatial Information Management

**Status**
- SGI is mandated to coordinate national geospatial information management
- National spatial information and technology and open data policies are enacted
- Lack of alignment and not implemented

**Gaps**
- Lack of governance arrangements for geospatial information management
- Lack of geospatial policies and laws stimulate data sharing, innovation and use of geospatial information

**Desired Future**
- Establish governance arrangements to bring institutions together to share provide access to their data
- Develop complementary policy and legal frameworks to stimulate data sharing and drive innovation
IGIF IMPLEMENTATION: KEY GOALS ...

Enhanced Capacity, Capability, and Knowledge Transfer

- National digital industry policy and national innovation strategy is in place
- University level education programmes are available
- Limited skills training programmes
- Lack start up initiatives, innovation programmes and open data hubs
- Lack of continuous update in geospatial curricula
- Encourage business development through Innovation Programs, Open Data hubs, and incentivized business start-up initiatives
- Regularly review and
- Establish center of excellence in universities and research centers
IGIF IMPLEMENTATION: KEY GOALS...

Establish Integrated Geospatial Information Systems and Services

Status

- Geospatial data is available in organizational silos and usually with no metadata
- No one contributes to enhance the national government data sources
- No formal knowledge on the diversity of national datasets

Gaps

- Lack of data sharing culture
- Fear in data security
- National fundamental datasets and data custodians are not defined

Desired Future

- Ensure our geospatial data is able to be used to analyze complex relationships, trends and patterns across a broad spectrum of applications
- Enable our local community readily contributes geospatial information to enhance national government data sources
IGIF IMPLEMENTATION: KEY GOALS ...

Enhanced National Engagement and Communication for Enriched Societal Value and Benefits

- Geospatial information is being widely used in the land sector, urban planning, infrastructure development
- Emergency management organizations use geospatial information for emergency response
- There are growing interests in geospatial information and technology

- Lack of awareness at the policy making level of government
- Overlapping mandates
- Lack of engaged stakeholder community

- Develop stakeholder communication and engagement strategy for proving effective in raising
- Create heightened awareness of the benefits and value of geospatial information at all levels of government
- Enable our stakeholders in supporting our strategic journey for strengthening geospatial information management and use
IGIF-CLAP : ETHIOPIA DEVELOPMENT

In developing the country-level action plan our team tried to bridge the capacity gap and challenges we had in the process.

TEMPLATES AND GUIDES
- Team Ethiopia fully followed the IGIF templates and implementation guides

STRATEGIC ALIGNMENT
- IGIF strategic pathways were aligned with the organizational structure
- IGIF alignment to national priorities were analyzed from economic and innovation viewpoints

OVERALL APPROACH
- A small team was discusses with IGIF consulting team
- Intra-organizational discussions were held
- Stakeholder engagement workshops periodically engaged
IGIF-CLAP: ETHIOPIA

Status

At this time, we have presented the final draft of the CLAP and are working on the final document.

STAKEHOLDER ENGAGEMENT
- We had three stakeholder engagement workshops in the process.

CURRENT STATUS
- Updating the final draft of our IGIF-CLAP based on stakeholder inputs and new realities.
- Developing a summary version of the IGIF-CLAP for high level officials.

NEXT STEPS
- Publishing the final documents.
- Establishment of technical working groups.
- Starting implementación.
RATIONALE
Avoid single point of failure

PROPOSED SOLUTION
Anchor strategic pathways to organizational units
CAPACITY DECENTRALIZATION...

SP1: Gov. and Ins.  
SP2: Policy and Legal

SP4: Data

SP5: Innovation

SP6: Standards

SP7: Partnerships  
SP8: Capacity and Edu. 
SP9: Comm. And Eng.

SP3: Financial

Policy and Legal
Data and Sys. Admin.
Geospatial platforms development
Standards and quality
Capacity Building and Partnership
THANK YOU!