Implementing the Fundamental Data Themes – from Theory to Action!

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UN-GGIM | UNITED NATIONS
COMMITTEE OF EXPERTS ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

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Questions for the Round Table

1. What actions are you going to take on your return?
2. How are you going to tackle the policy and high level champion issues?
3. How are you going to tackle the fundamental data gaps?
4. How should ECA and the UN in general respond?

Moving from Theory to Action!

1. Situation analysis
2. Planning
3. Implementation

1. Situation Analysis - National
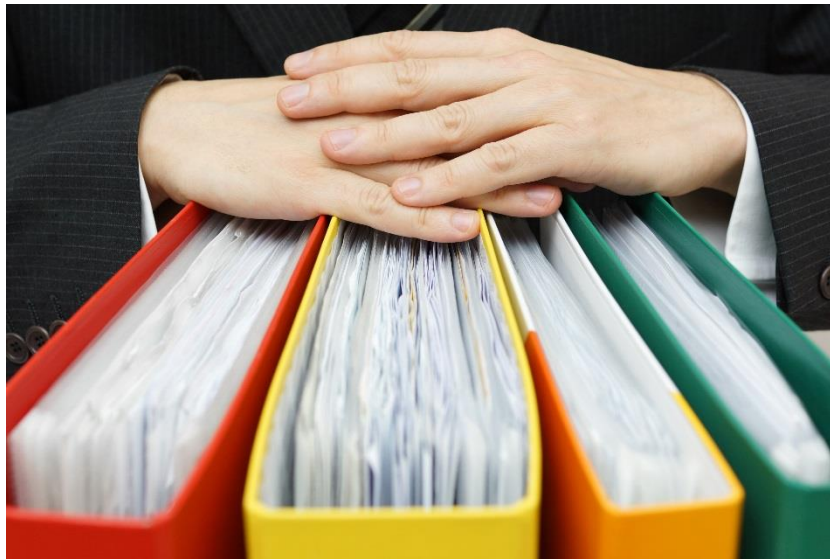
National questions to ask:

- Is there already an NSDI initiative?
- Are there exiting actions relating to fundamental geospatial data?
- Are there existing actions relating to the implementation of the GSGF in Africa?
- What are our national priorities? (outcome priorities)
- Do we have a high level champion?
- What principles and policies relating to data do we have?

1. Situation Analysis - Themes

Theme related analysis. For each theme:

- What laws exist in relation to this theme?
- What institutional arrangements exist in relation to this theme?
- **Data gap analysis**

Data Gap Analysis – an audit

- What datasets are required within this theme?

- What datasets already exist?
  - Is there as custodian? Who?
  - What quality are they? Content, currency etc
  - What standards are used?
  - What plans are there for this data?
  - Are there any issues relating to this data which require action?

- What datasets do <u>not</u> exist?
  - Is the source identified?
  - How can sources be identified? To include non-traditional sources.
  - Real world object or proxy data?
  - Are additional laws or institutional arrangements needed?

1. Situation Analysis - Themes

Theme related analysis. For each theme:

- What laws exist in relation to this theme?
- What institutional arrangements exist in relation to this theme?
- Data gap analysis
- What collaborations already exist which support data collection, management, and supply?
- Do regional initiatives exist which could assist?

2. Planning - Nationally

- Centre the planning around national priorities

- Get buy-in and commitment from high level government champion(s) with clear articulation of benefits

- Ensure any plans integrate with existing plans for SDI, data policy and coordination.

- Fill any gaps in principles and POLICIES

Why do we need principles and policies?
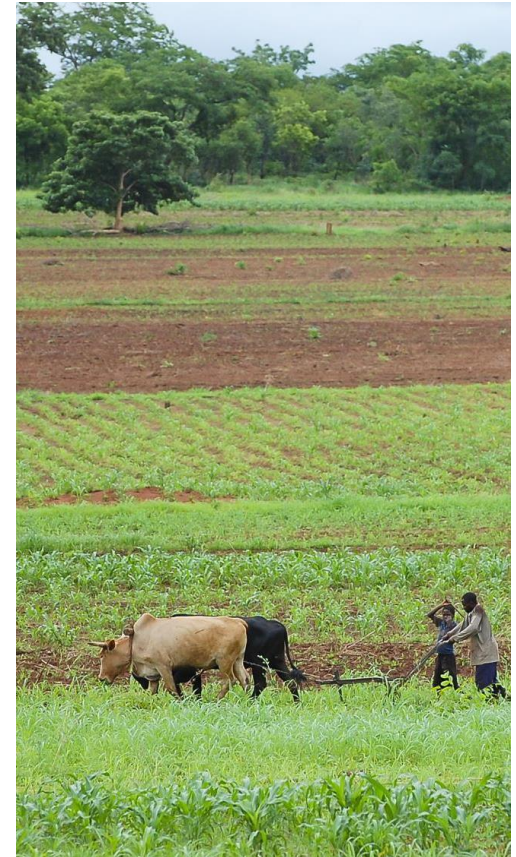
A shared understanding to enable …

… **control**

- Ensure activity in line with wider aspirations

… **efficiency**

- Coordinate efforts across the ecosystem
- Provide clarity of roles and responsibilities

… **change**

- ACHIEVE OUTCOMES and hence BENEFITS

"Government's role must change from being a primary provider of authoritative spatial information to coordinating and managing geospatial data and facilitating partnerships"

An Assessment of the Current State of Spatial Data Sharing in Rwanda, Akinyemi and Uwayezu, 2011,IJSDIR

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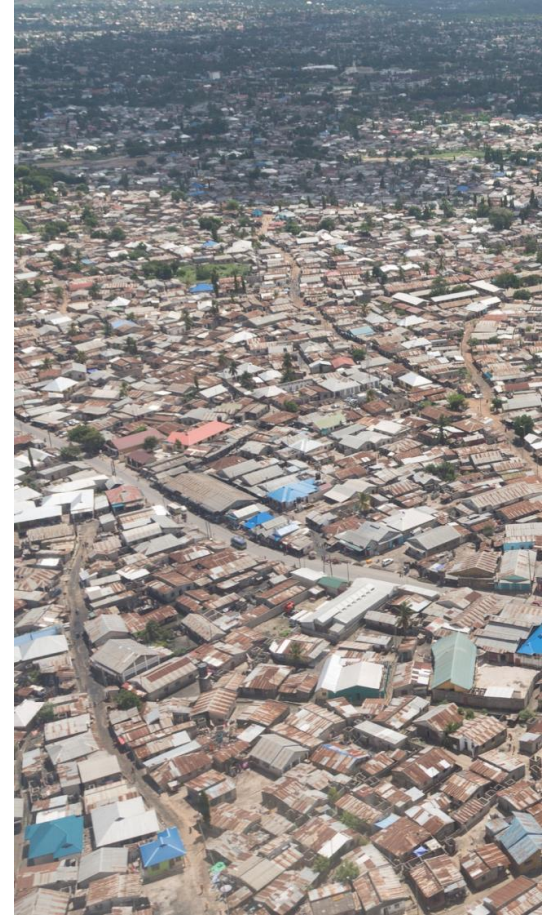Global Geospatial Information Management

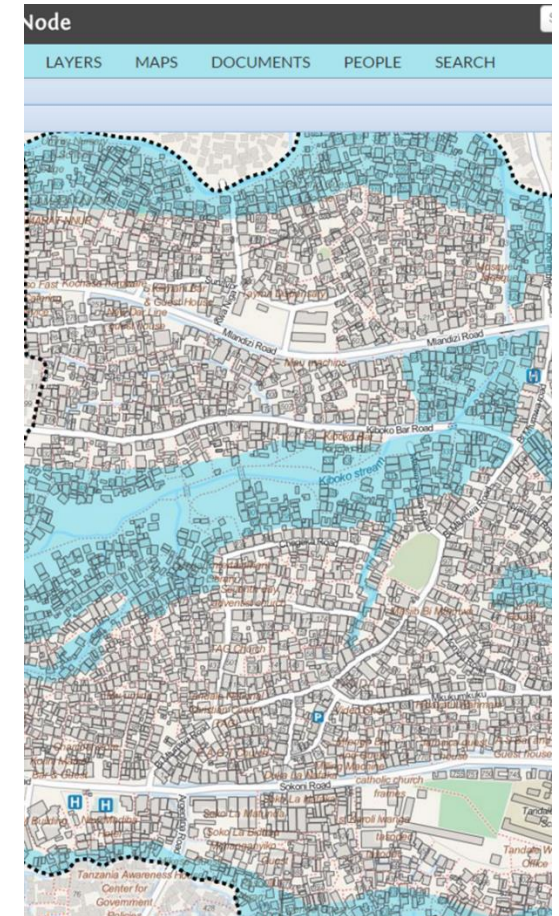*Positioning geospatial information to address global challenges*

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What do we need them to cover? – Governance and institutions

- Governance – responsible organisations, bodies and relationships

- Role of private sector and civil society in the ecosystem

- Monitoring and evaluation

- Regulation

- Explicit links to related policy and legislation

What do we need them to cover? - Data

- Access – Freedom of Information, Right to data, Data Protection/ Privacy

- Ownership – intellectual property, copyright, licensing

- Sharing – legal, technical

- Liability

- Publication – metadata, formats

- Standards – adoption and mandate

- Custodianship – Rights and responsibilities

Data Custodianship - Examples

Country	Description
South Africa	"a data custodian is an organ of state which is officially responsible for the capture, maintenance, management, integration, distribution or utilization of spatial information on behalf of the State and the public"
Nigeria	"A custodian is a body or person designated as having a certain right and responsibility for development and or management of spatial data. A custodian may have the right on behalf of the community to determine the condition for use, accessibility and distribution of data."
AFRICOVER	"A custodian is a recognized contact point for the distribution, transfer and sharing of the information and has responsibilities regarding the maintenance and quality of the information. The custodian ensures accessibility to the information, and has the right to apply market conditions provided that this does not significantly disrupt accessibility."

Custodianship – Common Factors

Responsibilities

Capture

Maintenance

Quality

Integration

Management

Ensure accessibility

Distribution

Sharing

Development

Rights

Determine accessibility

Determine distribution

Determine conditions of use

Development

Use

Apply market conditions

What do we need them to cover? - Technology

- Provision of networks, access portals
- Common IT standards

2. Planning – data themes

- For each theme answer these questions first:
  - What are the priority datasets? (related back to national priorities)
  - Could we use non-traditional sources? Trials and pilots required?
  - Who will be the custodian? Rights and responsibilities
  - What standards will we use? International?
  - Do we need changes to law?
  - What changes do we need to institutional arrangements?
  - What collaborations do we need to put in place? G2G? G2B? G2C?
  - Do we have the capacity? Does someone else?
  - Do we need funding? Where from?
- Draw up a theme roadmap

2. Planning - Nationally

- What are the national priorities? Centre planning around these.
- Get buy-in and commitment from high level government champion(s) with clear articulation of benefits
- Ensure any plans integrate with existing plans for SDI and data policy and coordination.
- Fill any policy gaps
- Draw up the national geospatial data theme roadmap. Stepwise with clear wins throughout.
- Ensure integrated with wider national roadmaps for data. Iterate if necessary.

3. Implementation

- Create or mandate delivery agencies

- Put collaborations in place

- Put progress monitoring in place

- Take to the road!

Positioning geospatial information to address global challenges

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