

Powering the FIS4SDGs

Clifford Okembo

Integration of Statistical and Geospatial Data

Global Statistical Geospatial Framework (GSGF)

Usable

Interoperable

Common Geographies

Geocoded Units

Fundamental Geospatial Infrastructure

Statistical Process Model (GSBPM)

Enumeration

Planning/ Pre Enumeration

> Specify Needs Design Build

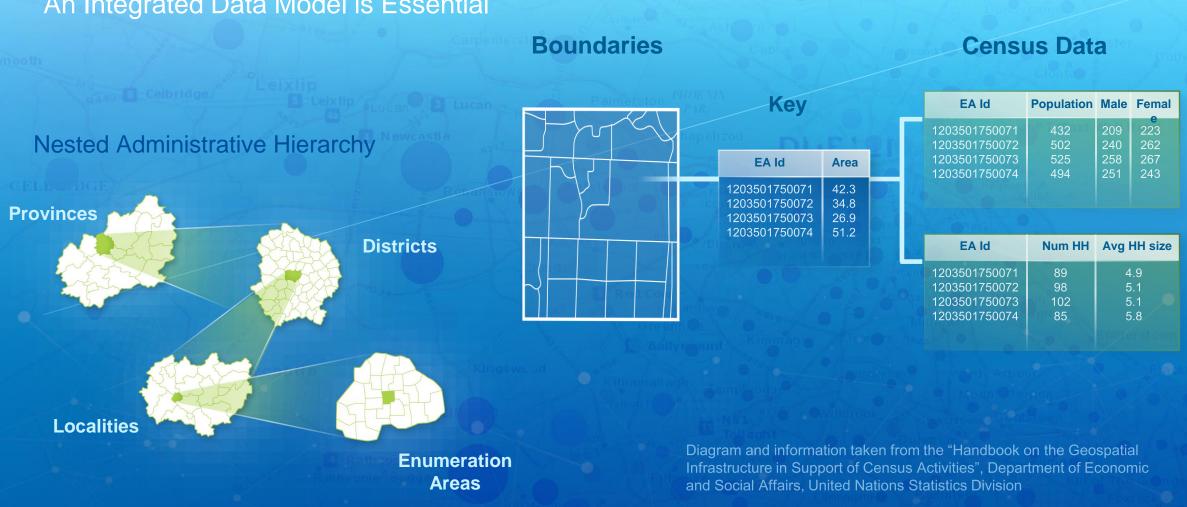
Collect Process Analyze Post Enumeration/ Dissemination

Disseminate Evaluate

Quality / Metadata Management

Shifting Role of GIS in Official Statistics **Geographic and Statistical Data Are Foundation**

An Integrated Data Model is Essential



GIS Provides a Platform

For Managing, Analyzing, and Applying Geographic, Statistical & Imagery Information

Integrating People, Processes, Things, and Data About Them

System of Engagement

> Using the Power of Where to Integrate Everything

System of Record



Information Systems are Becoming Distributed

A New Architecture Is Emerging

Enabling integrated collaboration and coordination

Enabled by Portals . . . Abstracting Distributed Data and Analytics

Dynamic

Systems-of-Systems

New Types of Data Collaborations Are Emerging

Connecting Individuals, Organizations and Communities



... Creating a Nervous System for People and Planet and a Means to Measure and Monitor Progress...

Web GIS Simplifies Working With All Types of Data

Using Web Maps, Scenes, and Layers



Providing the Integrating Framework and Processes

For Enabling a Smarter World

Action and Outcomes

Stakeholder Engagement

Data Collection and Development

Informing

Data Integration, Sharing and Management

> Geo-Statistical Analytics and Modeling

Jnderstanding

Planning and Decision-Making

Transforming How We Think and Act Creating a More Sustainable Future

GIS Provides the Means . . .



. . For Creating Federated Systems

The UN with Member States have Developed a Federated System for the SDG's

- Country-owned, Country-led system of systems
- Global data coverage
- Supporting the Monitoring and Reporting of the SDGs
- 2 phases done call for phase 3



🕎 Tanzania Open Data for Sustainable Development Goals (SDGs)

Collaborating with Data for SDGs

Case Studies

Kenya, Tanzania, Senegal

Sénégal, Plateforme de suivi des

QICT KENYA

HOME WHO WE ARE COUNTY DATA - DIGISCHOOL SUGGEST DATA

Sénégal, Plateforme de suivi des ODD est ur découvrir et participer à la résolution des pr données ouverts à l'aide de cartes.

Sénégal, Open Data Site

A HIGHER QUALITY OF LIFE

囚

at meet needs of national and

statistics in Tanzania.

ning and decision making while

