



# Integration of Geospatial and Statistical Information

## The African Spatial Statistical Framework: Status of Implementation

United Nations  
Economic Commission  
for Africa

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Geoinformation &  
Spatial Statistics

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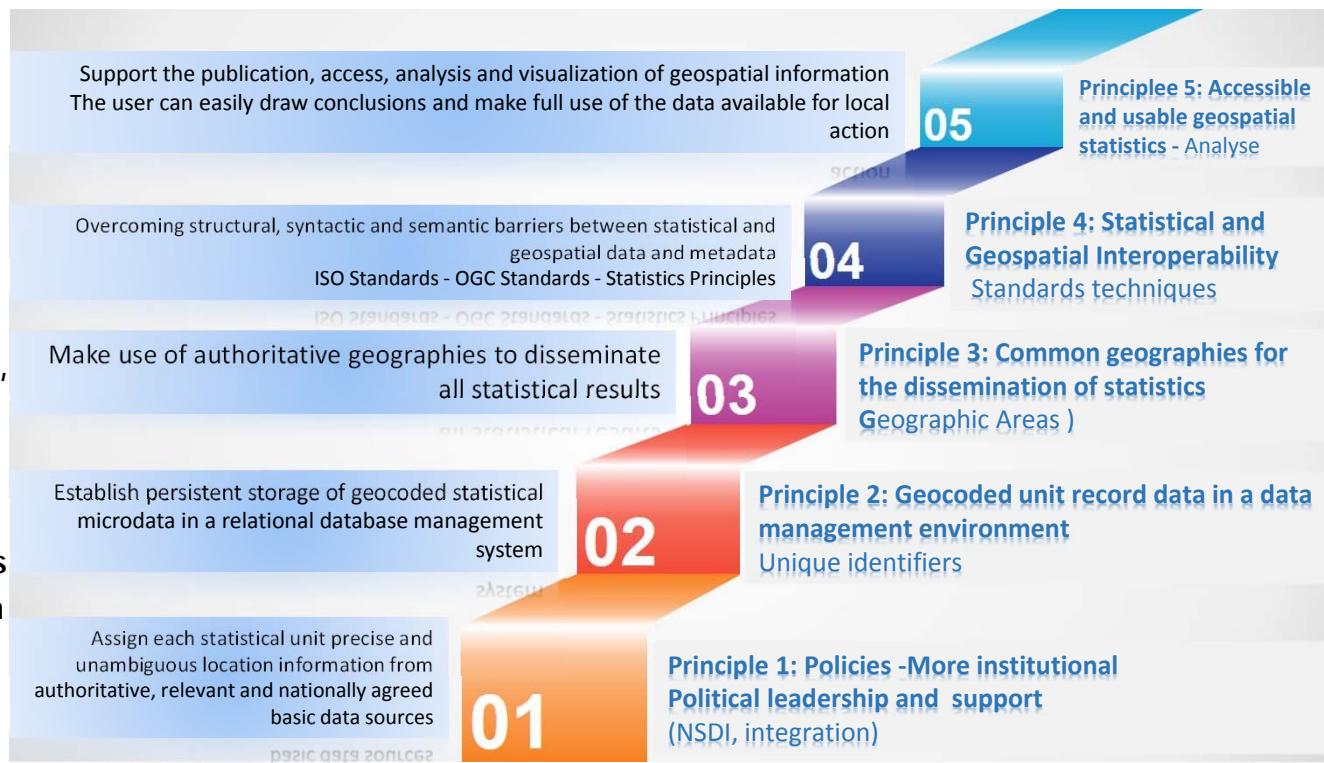
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**UN-EGGIM: AFRICA**  
UNITED NATIONS INITIATIVE ON  
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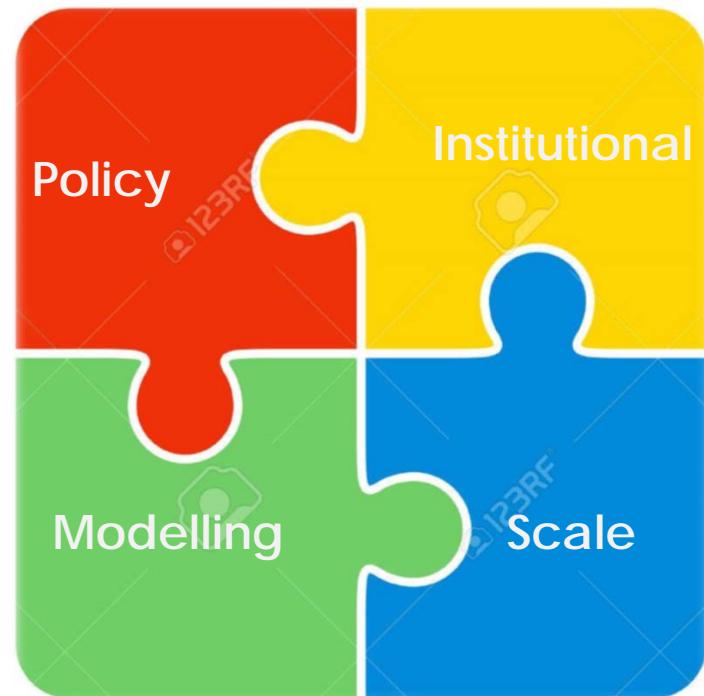
# The African Statistical Spatial Framework : Grounded on the GSGF Overarching Principles

- **Integration of Statistical and Geospatial Information : Overarching Principles**
- **Mainstreaming the enabling capabilities of geospatial technology into National Statistics Offices activities (all the way through training, data and processes)**
- **Linking NSDs and NSDI: National statistical, planning and cartographic authorities have effective collaboration between them in the development of respective data infrastructures**



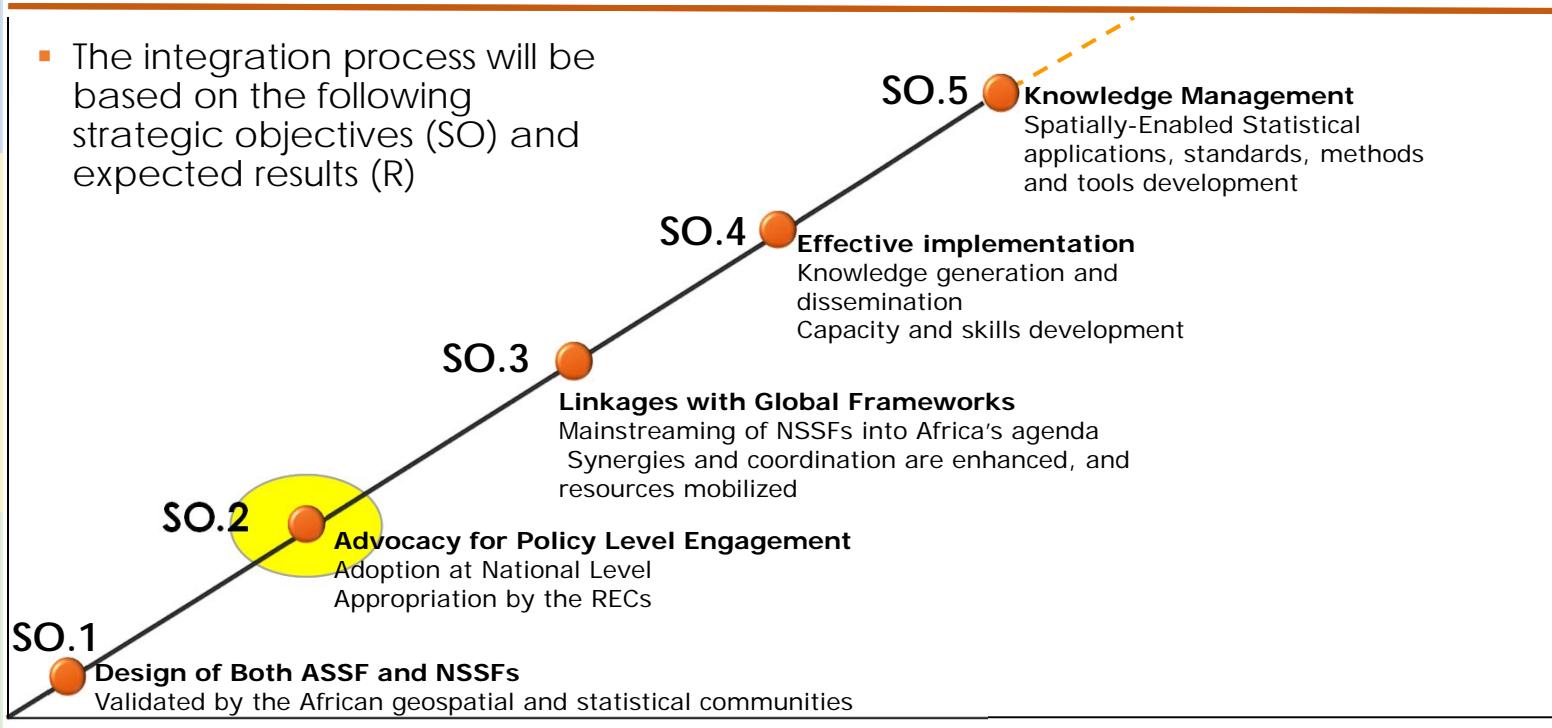
# The African Statistical Spatial Framework : Dimensions

- A successful integration of geospatial information and Statistical Information requires to look at the following dimensions: (1) Scale; (2) Policy; (3) Institutional; (4) Modelling.
- **Scale** : The scope of the geographic space in which the integration is due to take place.
- **Policy** : The policy dimension necessary at all levels on the Scale axis to initiate and harmonise the strategies and related regulations in order to smoothly achieve full integration
- **Institutional** : The institutional arrangements necessary to achieve real integration, in accordance with the orientation of the two compatible policies [Custodianship Principles].
- **Modelling** : The component of the integration process dealing with the technical, technological, scientific abstraction and their related functional and procedural interactions



# The African Statistical Spatial Framework: Strategic Objectives

- The integration process will be based on the following strategic objectives (SO) and expected results (R)



# Current Achievements

**1. Strategy's development for the integration of geospatial and statistical information**

**Design of the African Spatial Statistical Framework**

Endorsement by UN-GGIM: Africa constituencies and StatCom-Africa

**3. Assessment** of countries preparedness for the 2020 Round of Census in Africa. To ensuring that the 2020 round of censuses collect spatially-enabled data that are relevant to national, regional and international policy, planning and reporting requirements. To also determine the level of incorporation of Remote Sensing, GIS and geospatial tools in the NSOs in Africa.

**2. Advocacy** for policy level engagement with WAEMU, a regional institutions for downscaling the framework at the regional level. Further advocacy at StatCom-Africa

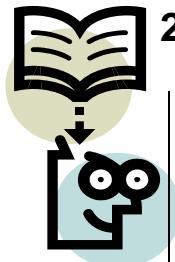
**4. Technical assistance** to develop a digital census cartographic framework in preparation of the Population and Housing Censuses for Burkina Faso, Mali  
1. Training on census cartography  
2. Sub-regional workshops on the technics for data disaggregation by location

# Next Step : Actions for 2019



## 1. Guidelines

Developing methodological guidelines for step-wise development of the national spatial data infrastructure (NSDI) harmonized with the statistical development strategies (NSDS).



## 2. Geo-enabling NSDS

Revisit the National Strategies for the Development of Statistics (NSDS) to incorporate National Spatial Data Infrastructures (NSDI) with focus on having National Statistics and Planning Offices represented in the coordination arrangements for the NSDI and National Mapping Agencies represented in the coordination of NSDS.



## 3. Mainstreaming GIT

Strengthening the mainstreaming of the enabling capabilities of geospatial technology into National Statistics Offices activities (all the way through training, data and processes). The national statistical offices to embrace location-based data ecosystems as a necessary and essential element of far reaching innovation for sustaining the statistics systems.





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# Thank You....

