





## Geospatial Census and Population Data

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Side Event of the UN Geospatial Network on the One UN Geospatial Situation Room

## **UNFPA GIS Solutions**

#### **Challenges:**

- Lack of high quality georeferenced population data
- Insufficient use of georeference census data for development
- Lack of publicly accessible georeference population data
- Limited GIS capacity

#### **GIS Solutions:**

- Modernization of census
- Enhancing integration of population with other geospatial data
- UNFPA PDP for publicly accessible georeference population data
- GIS capacity
  development

Geospatial Solution for the 2020 Census Round

Addressing emerging capacity needs- New technologies, Innovations, & Expertise Increased use of handheld devices



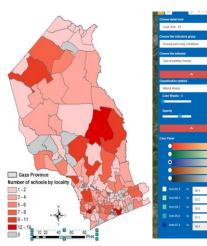
Digital cartography & use of satellite imagery



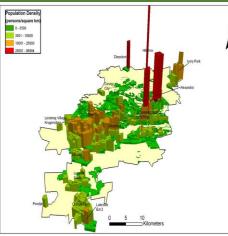
HHS Surveyed HHS Listed HHS Pre-Listed

High-resolution modelled population estimates, where enumeration is not possible

Capacity to use GIS in census, analysis & dissemination



Wider use of census data



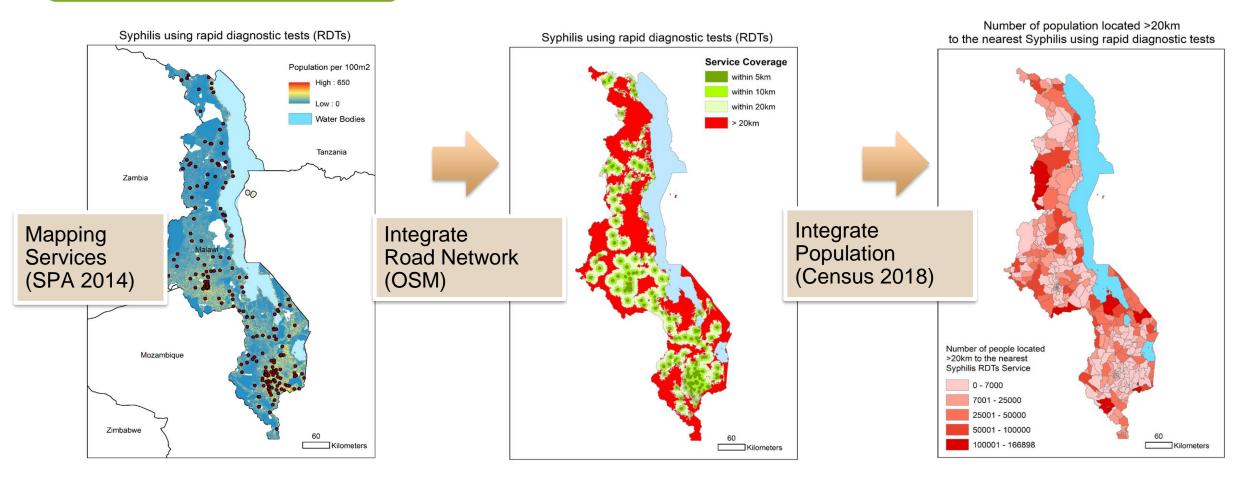
### **Geospatial Solution in Analytical Research for LNOB**

### e.g.mapping Population Access to Antenatal Care Services

#### [1] Mapping Antenatal Service Locations

#### [2] Mapping Antenatal Service Coverage

#### [3] Mapping Population Access



### **Geospatial Solution: UNFPA** Population Data Portal

GGP



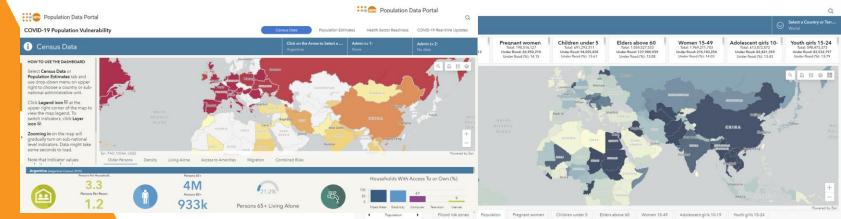


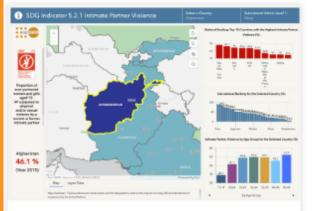
#### **200+ Indicators**

**Population** SRH Gender

### Geospatial Solution: UNFPA Population Data Portal

### examples of geospatial data visualization

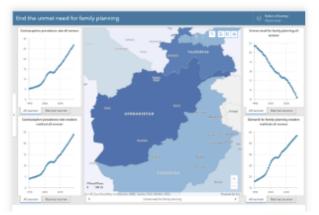


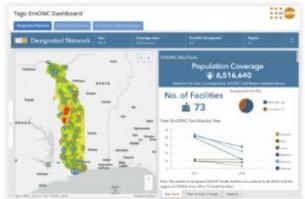










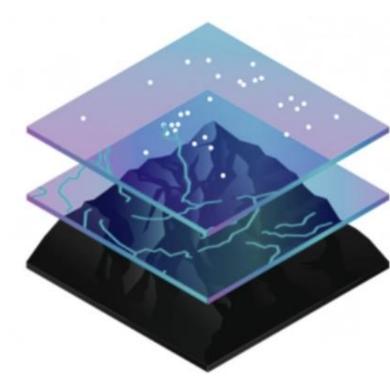






## **UNFPA Partnerships on Geospatial Work**

- UNFPA Esri Enterprise Agreement & MOU
- UNFPA UN Geospatial Service Center MOU
- Partnering with WHO on SDG3 GAP initiative Data and Digital Health
- Partnering with UN-Habitat and EU on SDG indicator Geospatial Disaggregation by Urban Degree
- Partnering with UN GIS-Section on the use of Second Administrative Level Boundaries (SALB)



## Contribution to the One UN Geospatial Situation Room





Over 200 Census and Population *Indicators;* Highresolution satellite imagery, building footprint, admin boundaries, infrastructure *Integration* of population data with other geospatial data on use cases

Analysis

Data **Visualization** and **Dissemination** 

Visualization

**Capacity Strengthening** on GIS

Capacity

#### UNFPA

Delivering a world where every pregnancy is wanted every childbirth is safe and every young person's potential is fulfilled

# UNFPA

United Nations Population Fund www.unfpa.org

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