

51st United Nations Statistical Commission

Side Event Integration of Statistical and Geospatial Information

UNFPA Capacity Development for Strengthening the National Integration of Statistical and Geospatial Information

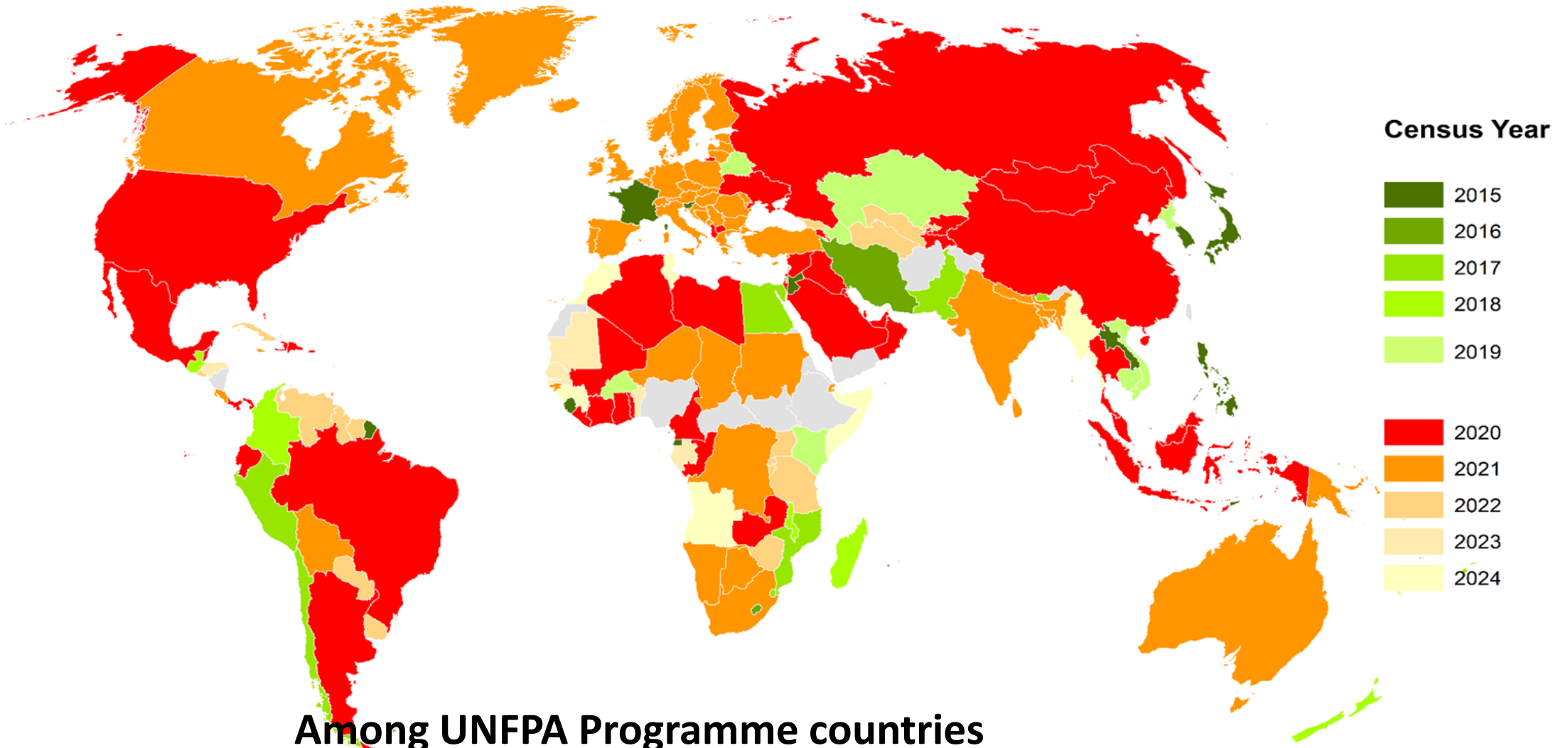
Sainan Zhang

Technical Specialist, United Nations Population Fund

5 March, 2020



2020 Census Round Schedule



Among UNFPA Programme countries

- 9 conducted census in 2019
- 47 countries expected in 2020 & 37 in 2021

Strengthening National Capacity: Modernizing Census

New technologies,
innovation, expertise

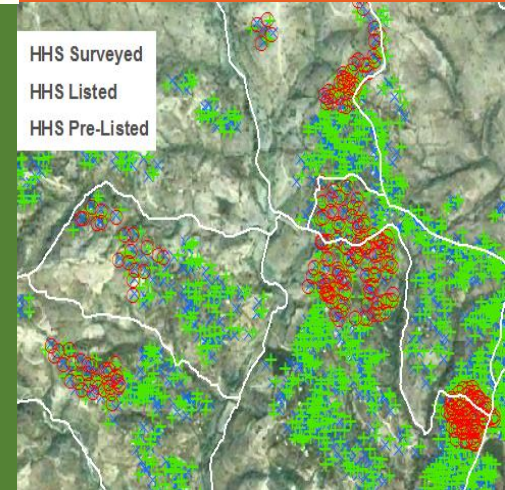
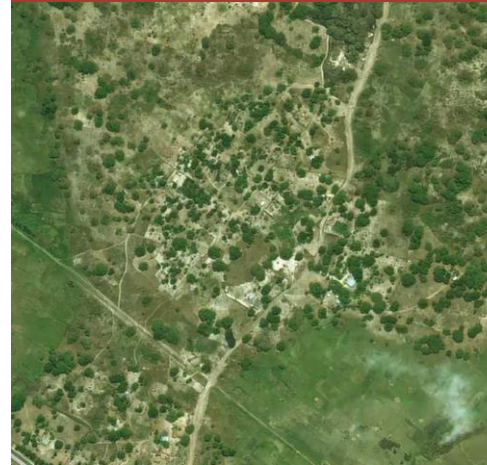


Handheld devices

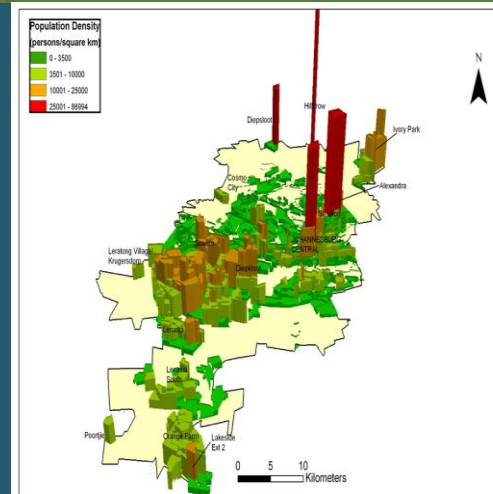


Digital cartography & use of satellite imagery

Use GIS to improve enumeration in real time



GIS analysis and dissemination



Modelled population estimates, where enumeration is not possible

Meeting the Emerging Capacity Needs

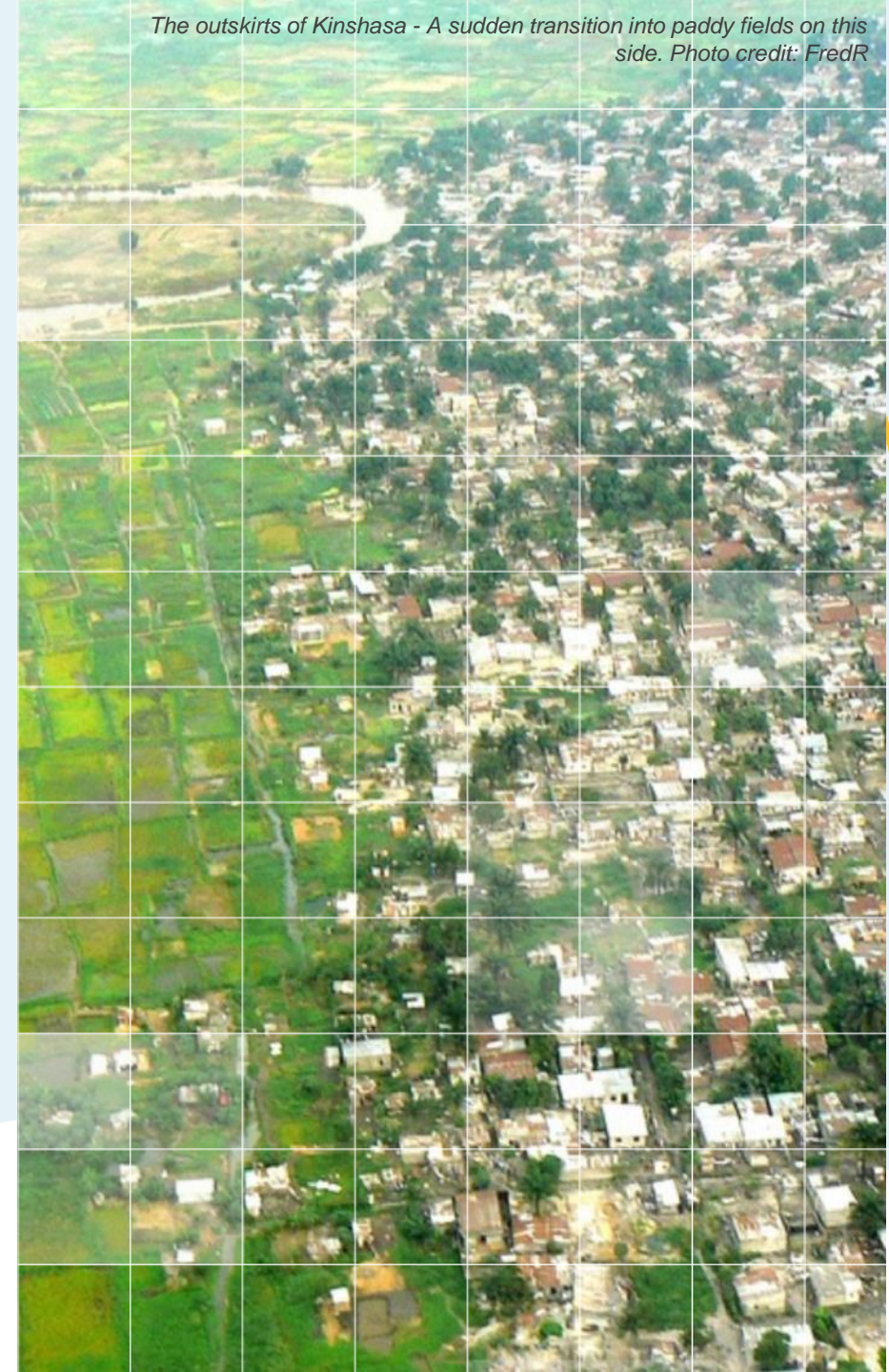
Current:

- **Capacity strengthening for GIS**
- **Roster Training of consultants**
- **Satellite imagery**

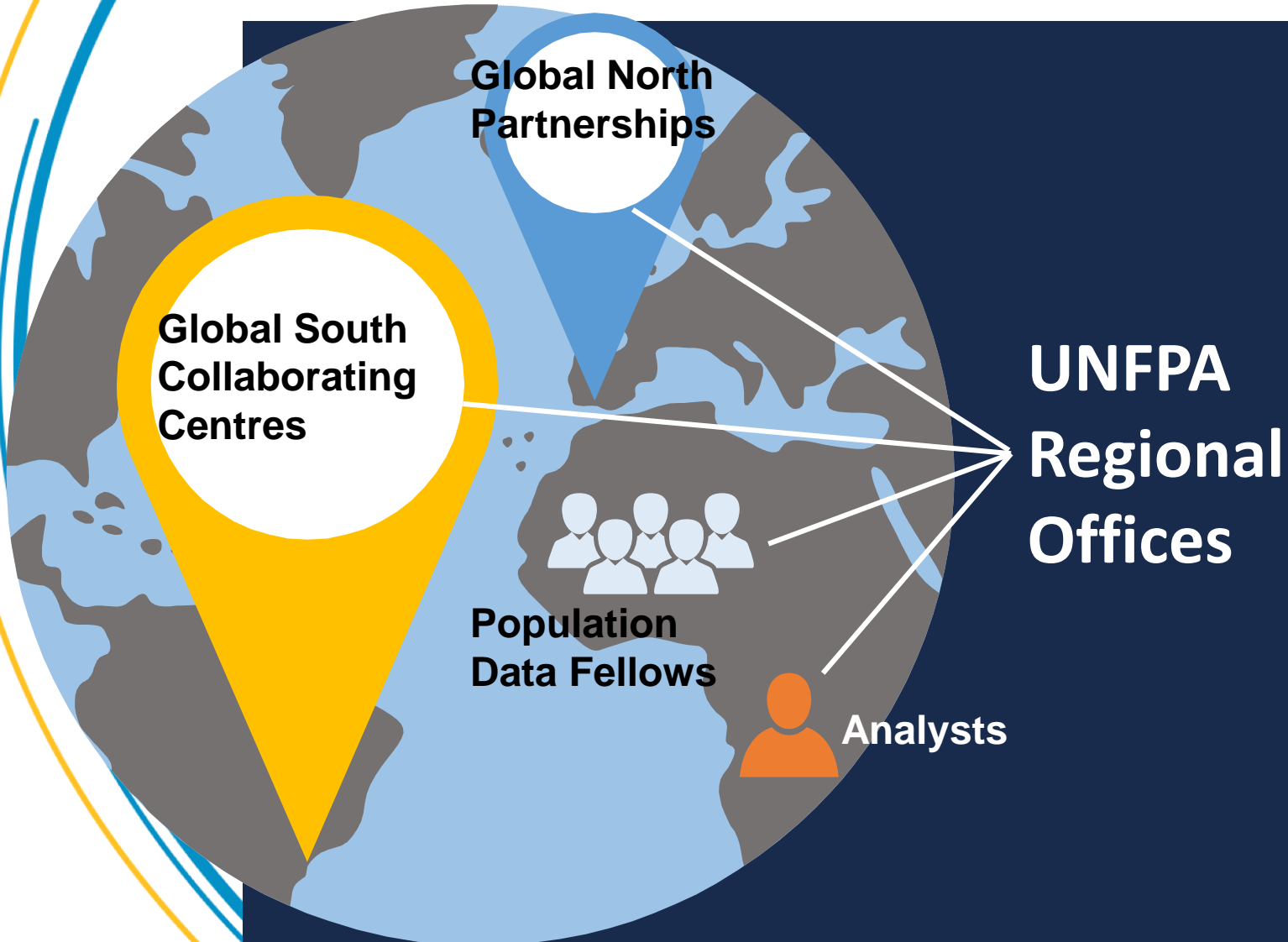
Next:

- **Tablet sharing between countries**
- **Expansion of CTAs**
- **Emergency funding for financial shortfalls**

The outskirts of Kinshasa - A sudden transition into paddy fields on this side. Photo credit: FredR



Sustainable Solutions



Institutions

- Strengthen institutions

People

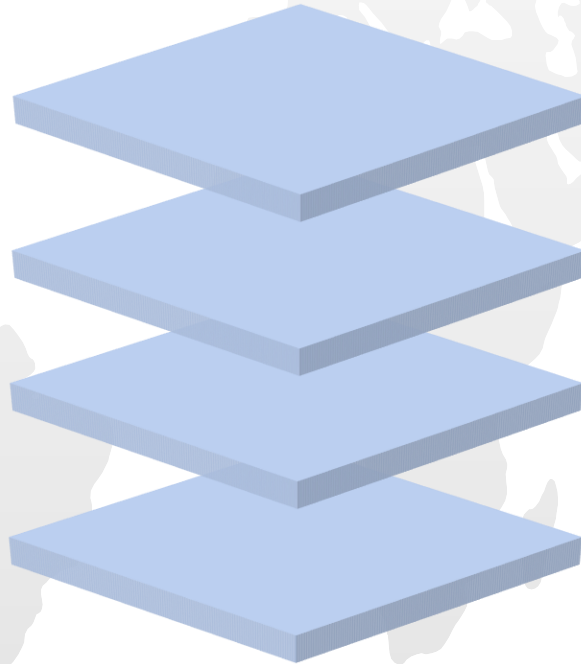
- Focus on young data experts
- Prepare future generations

Disseminating Population Data

Statistics & Geospatial Info

- Census, CRVS
- Sample surveys
- Admin boundaries
- Satellite imagery
- Road network
- Settlement
- Infrastructure
- Elevation
- Land use/cover

Data Processing



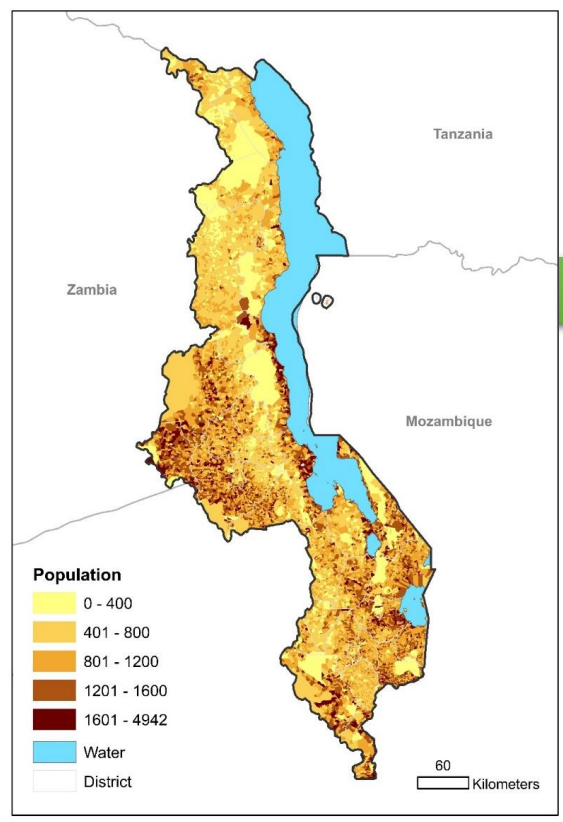
National Portals



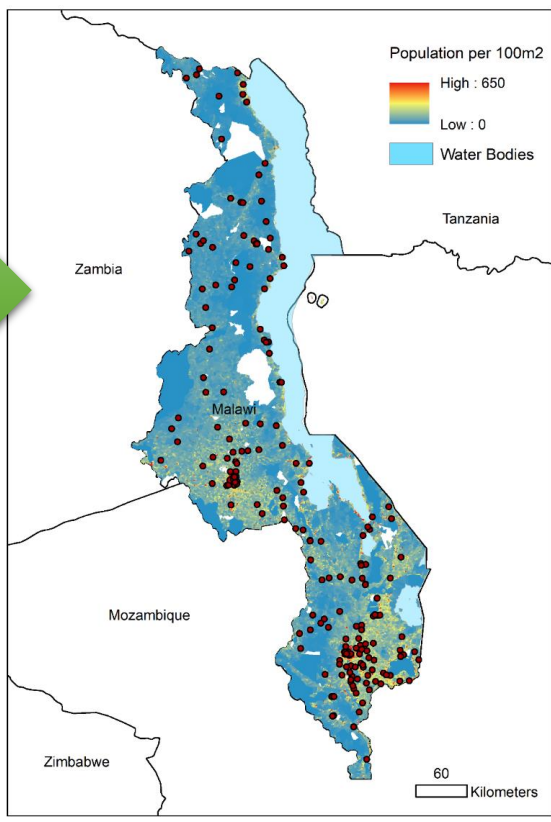
Capacity Strengthening on Data Integration

Example: Mapping Access to Essential SRH Services

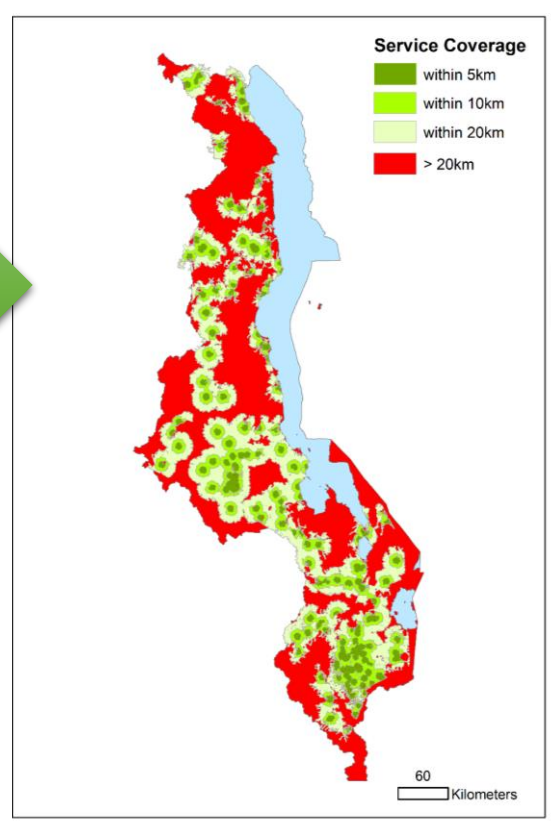
Population (Census)



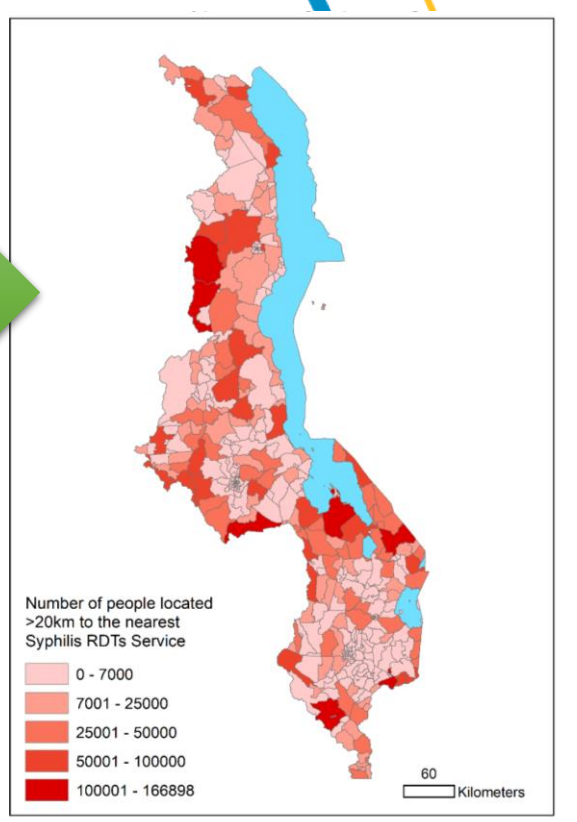
SRH Service Locations (SPA)



SRH Service Area



Population Access



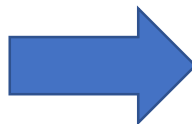
Link Between UNFPA's work and Global Statistical Geospatial Framework

UNFPA's support to Countries on Census collection, analysis, utilization and dissemination



GRID³

GEO-REFERENCED INFRASTRUCTURE AND DEMOGRAPHIC DATA FOR DEVELOPMENT



**Thank
you!**