

GIS Mapping of Network Transport Gaps in Nigeria

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Abdullahi Maikano
Secretary, Universal Service Provision Fund, Nigeria



Universal Service Provision Fund



The Universal Service Provision Fund (“USPF”) was established under the Nigerian Communication Act (NCA 2003) to facilitate the achievement of national policy goals for universal service and universal access to information and communication technologies (ICTs) in rural, un-served and under-served areas in Nigeria

Vision

Equitable ICT Access for All

Mission

To facilitate the achievement of universal access to ICT and universal service, through market-based investment, which stimulate development in rural, un-served and underserved communities.

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We set out to

Identify the overall ICT access gap in Nigeria

Map and Group the gaps into clusters

Determine the types of programmes/projects required to bridge the gap

Ultimately, the outcome would assist the USPF in designing projects and strategies to cover these gaps and ensure that everyone irrespective of locality is connected in the 21st century Nigeria.



What We Did

In order to achieve the objectives of the study, the following methodology was adopted:

Existing service coverage areas were identified using BTS data and other information (geographical coordinates, addresses etc.)

Fieldwork, interviews and drive tests to authenticate the information

Reliable service coverage was taken to be within 5 km (areas beyond 5km threshold were regarded as underserved and/ or unserved)

Areas designated underserved/unserved were grouped and mapped into contiguous clusters on a state-by-state basis with attributes

Launch of the Access Gap Portal for Public Access on USPF Website

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The Cluster Map

- Creation of two hundred and seven (207) ICT Gap Clusters of areas that are unserved or underserved that would enable the USP Fund provide access to about forty million Nigerians that currently lack access to ICT services.
- Each Cluster has the requisite attributes – population estimates, size, major towns, main economic activities/ occupation, institutions, vegetation type etc.
- The USPF has developed strategies to help cover these 207 ICT gap Clusters in the next 3 – 4 years.
- Map available in 2 forms:
Basic and Interactive



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The Cluster Map

Basic Map: User ID & Password not required



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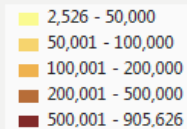
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Clusters of ICT/Telephony Gap in Nigeria

USPF, Nigeria

- A total of 207 clusters were established and grouped according to population density

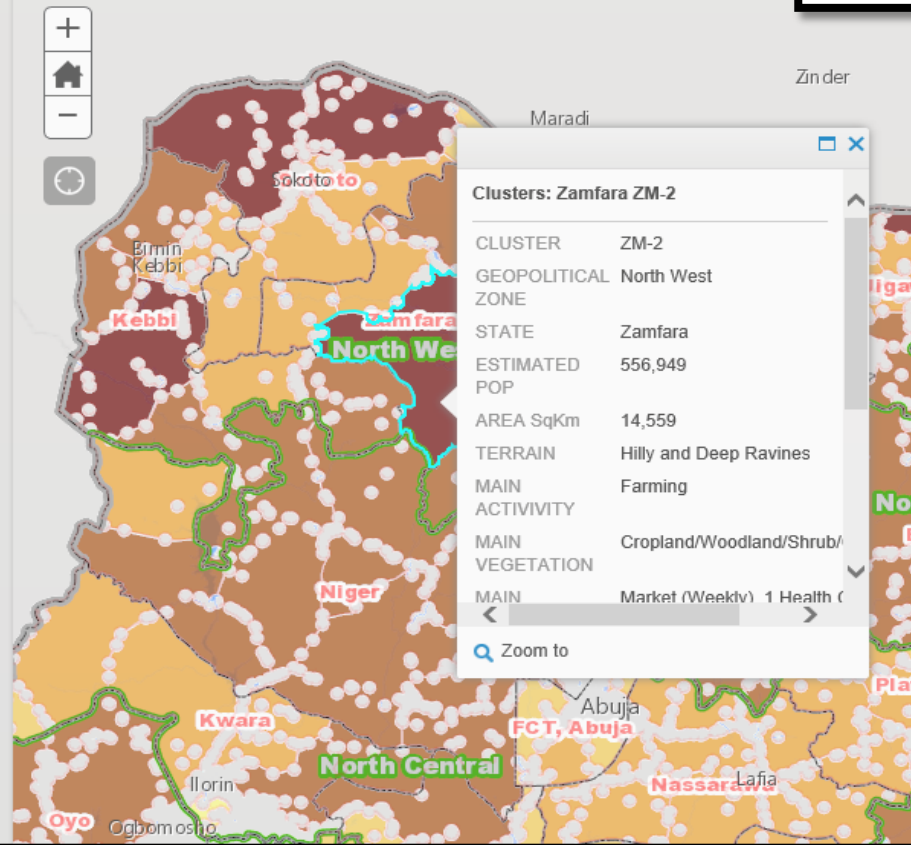
Legend



- Note: The uncoloured areas are the served areas

- The estimated population of people living in these clusters is about 36.8 million. Each cluster polygon has also been appended with basic characteristics such as major towns, occupation, institutions, vegetation type etc .

- Click on the Clusters to view the attributes



The Cluster Map

Interactive Map: User ID & Password required

Access the Clusters of ICT Gap Interactive Map

To access the Clusters of ICT Gap Interactive Map, register below with your name, email address and phone number to receive link (URL) and login information via email.

First Name Last Name
 E-Mail
 Telephone Number
 Country Code ... Number
 Field/Profession
 Please Select ...
 Company Name

Clusters of ICT/Telephony Gap

Clusters of ICT/Telephony Gap

No. of Clusters Established: 207
 Estimated Population in Clusters: 36.8million

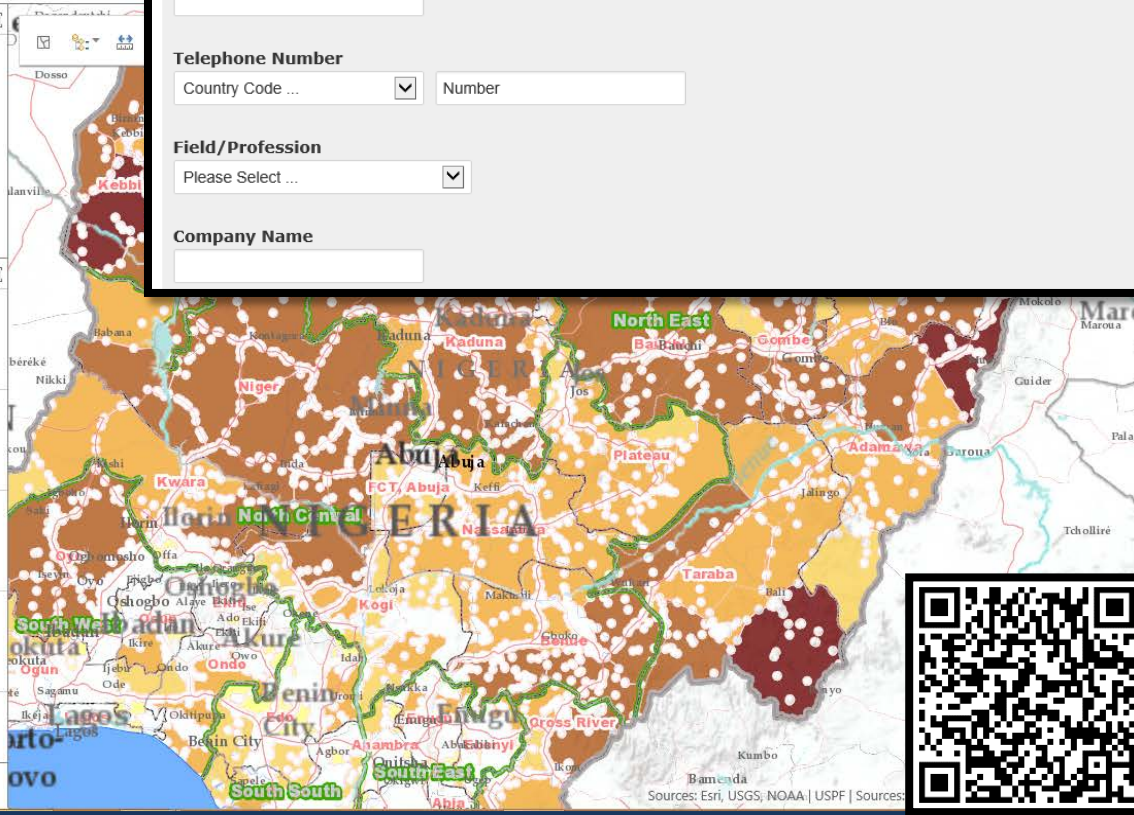
Cluster Groupings by Population

- 2,526 - 50,000
- 50,001 - 100,000
- 100,001 - 200,000
- 200,001 - 500,000
- 500,001 - 905,626

Note: The plain uncoloured areas are the served areas

Zonal Summary

North Central Zone	Number of Clusters: 47	Clusters Estimated Population: 7,354,778
North East Zone	Number of Clusters: 33	Clusters Estimated Population: 10,137,458
North West Zone	Number of Clusters: 46	Clusters Estimated Population: 13,898,592
South East Zone	Number of Clusters: 22	Clusters Estimated Population: 790,615
South South Zone	Number of Clusters: 37	



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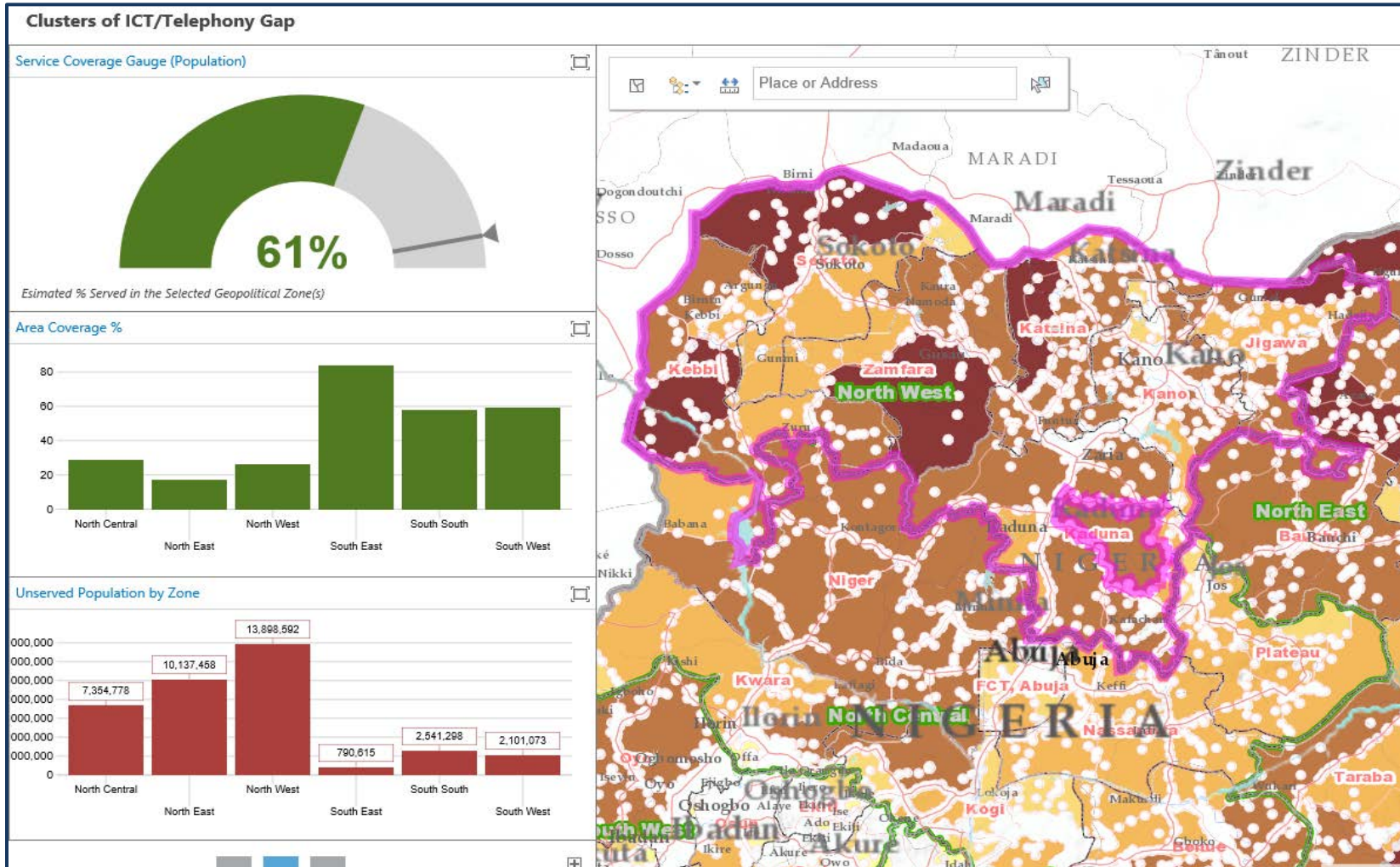
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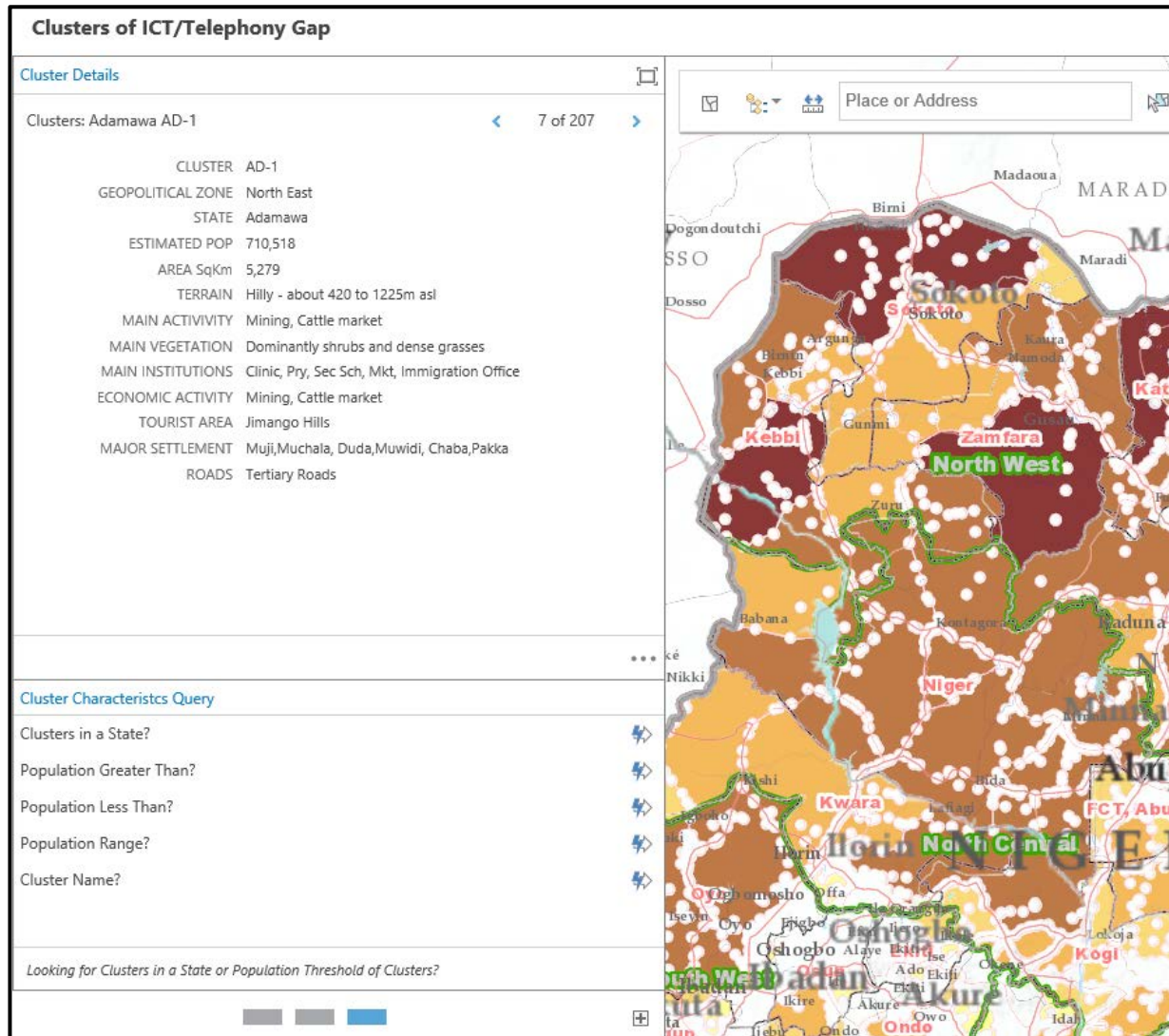
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Benefits

- Easy access to information on access gap and potentials by stakeholders all over the world
- Outcome is assisting the USPF as well as the industry at large to understand the ICT landscape of the country and also serve as a planning tool
- The ICT Access Gap clusters is assisting government and network operators in identifying areas that are not currently covered to enable them plan for their future projects.
- For the benefiting communities, the cluster project ensures that the projects that will be implemented will be relevant and adequately tailored to their needs.
- The Mode has become a model for other African USP bodies.

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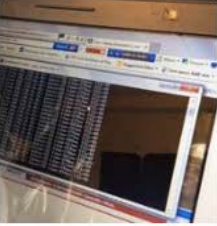




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Welcome to the Universal Service Provision Fund


The Universal Service Provision Fund (USPF) was established by the Federal Government of Nigeria to facilitate the achievement of national policy goals for universal access and universal service to information and communication technologies (ICTs) in rural, un-served and under-served areas in Nigeria. The Fund is being managed to facilitate the widest possible access to affordable telecommunications services for greater social equity and inclusion for the people of Nigeria.

Ongoing Projects

				
UnICC - University InterCampus Connectivity	BTS - Base Transceiver Stations	BTRAIN - Backbone Transmission Infrastructure	SKC - School Knowledge Centres	CRC - Community Resource Centres

Clusters of ICT Gap

Projects at a Glance



Video / Multimedia



Clusters of ICT Gap - Basic Map



Clusters of ICT Gap - Interactive Map



Database of Clusters

Contact

Universal Service Provision Fund (USPF)
Nigerian Communications Commission

Head Office Building,
Plot 423, Aguiyi Ironsi Street,
Maitama, Abuja,
Federal Capital Territory,
Federal Republic of Nigeria

Telephone: +234 (0)9 4617000

Website: www.uspf.gov.ng

Email: info@uspf.gov.ng



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