



Federal Republic
of Nigeria



GRID³
NIGERIA

GRID3 PORTAL NAVIGATION

Joe Eta

National Space Research and Development Agency



WHAT IS GRID3?

GRID3 (Geo-Referenced Infrastructure and Demographic Data for Development) works with countries to generate, validate and use geospatial data on population, settlements, infrastructure, and boundaries.

GRID3 combines the expertise of partners in government, United Nations, academia, and the private sector to design adaptable and relevant geospatial solutions based on capacity and development needs of each country.

OUR PARTNERS



OUR DONORS



GRID3 Portal

www.grid3.gov.ng



Search Area

Datasets National States Sectors About Support

Menu

All Available Datasets

- 1247 available datasets
- 12 sector
- And 36 states + FCT

The screenshot shows the GRID3 website interface. At the top, there is a search bar with the text "Search all datasets...". To the right of the search bar, there are navigation links: "Datasets", "National", "States", "Sectors", "About", and "Support". Below the navigation bar, a large green circle contains the number "1247", followed by the text "available datasets in 37 states and 12 sectors". In the center of the page, there is a map of Nigeria with its states and FCT outlined in green. To the right of the map, there is a grid of 12 dataset categories, each with an icon, a count in a green circle, and the category name:

115	Administrative Boundaries	29	Agriculture
83	Commerce	220	Education
22	Energy	118	Health and Safety
1	Population	127	Public Facilities
74	Religion	36	Security
311	Settlements	111	Water and Sanitation

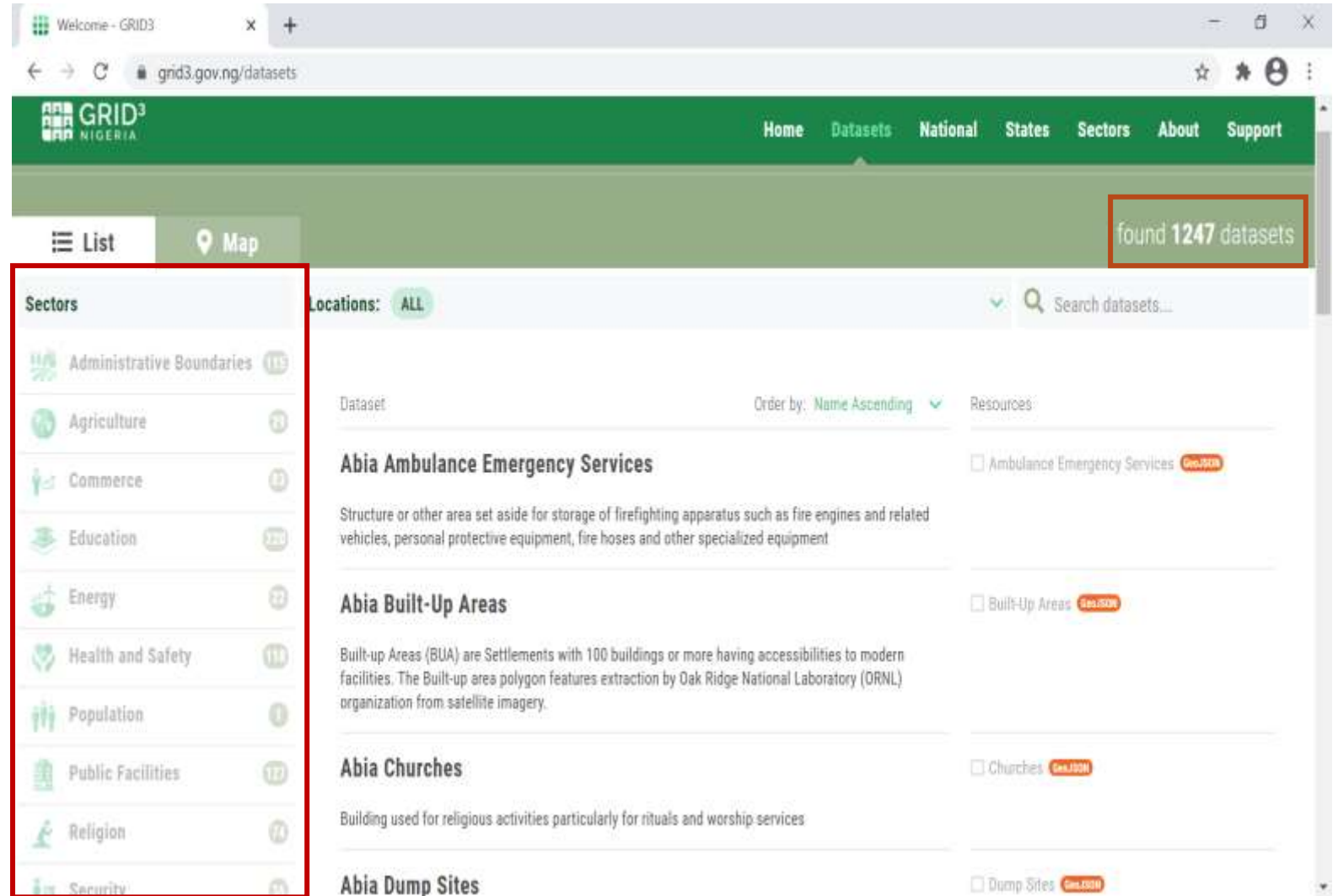
Sections of the Portal

- Datasets
- National
- States
- Sectors
- About
- Support



Datasets

A **dataset** is a collection of data, usually presented in tabular form. Each column represents a particular variable. Each row corresponds to a given member of the **dataset** in question.



The screenshot shows the GRID3 Nigeria Datasets website. The page features a green header with the GRID3 Nigeria logo and navigation links: Home, Datasets, National, States, Sectors, About, and Support. Below the header, there are tabs for 'List' and 'Map', and a search bar. A red box highlights the text 'found 1247 datasets' in the top right corner. Another red box highlights the 'Sectors' sidebar on the left, which lists various categories with their respective dataset counts:

Sectors	Count
Administrative Boundaries	113
Agriculture	3
Commerce	2
Education	120
Energy	2
Health and Safety	11
Population	1
Public Facilities	17
Religion	7
Security	1

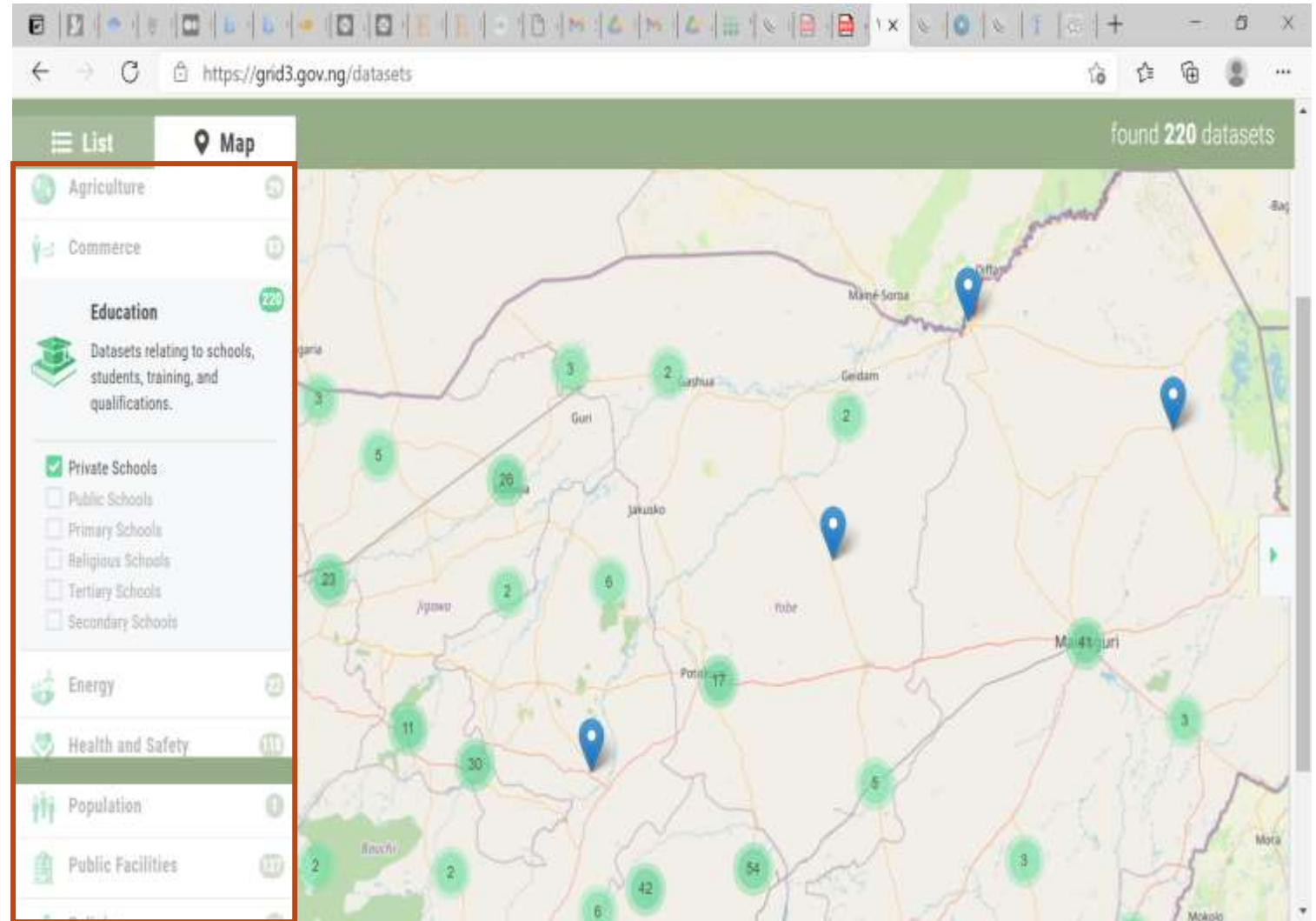
The main content area displays a list of datasets, including:

- Abia Ambulance Emergency Services**: Structure or other area set aside for storage of firefighting apparatus such as fire engines and related vehicles, personal protective equipment, fire hoses and other specialized equipment.
- Abia Built-Up Areas**: Built-up Areas (BUA) are Settlements with 100 buildings or more having accessibilities to modern facilities. The Built-up area polygon features extraction by Oak Ridge National Laboratory (ORNL) organization from satellite imagery.
- Abia Churches**: Building used for religious activities particularly for rituals and worship services.
- Abia Dump Sites**

Datasets

Map View

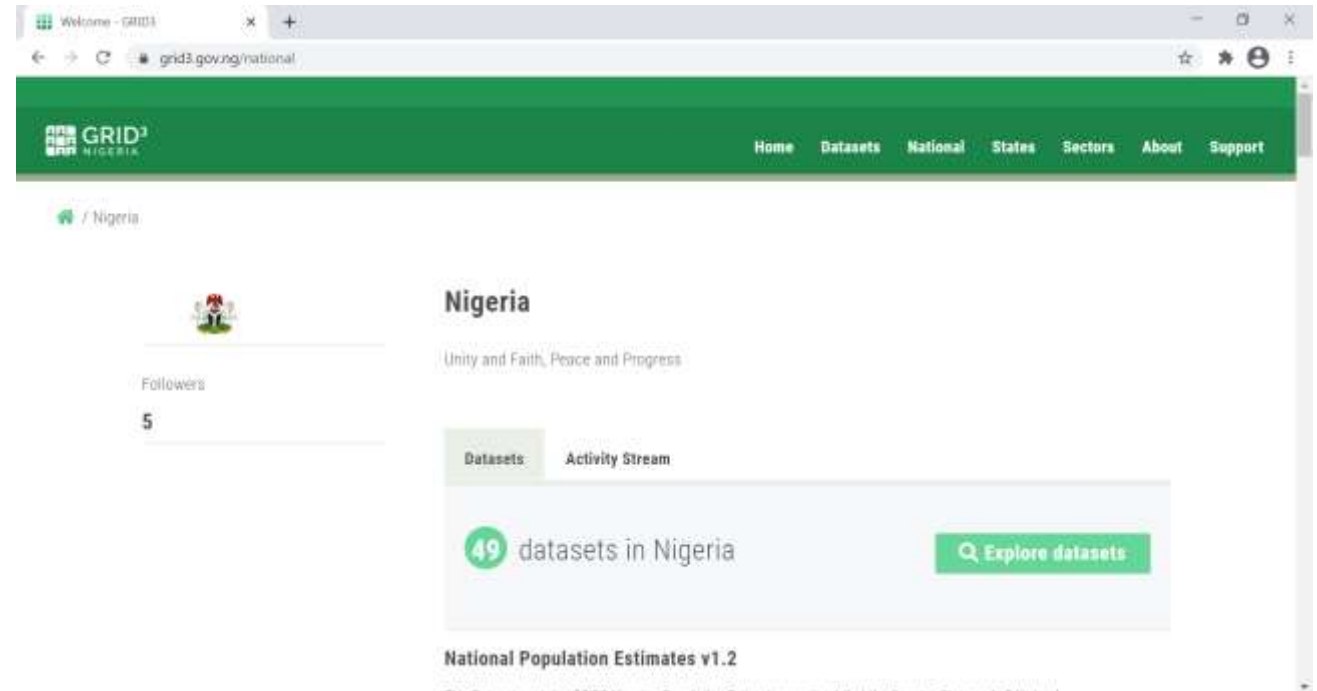
Shows the visual representation of the datasets on the Map



National Dataset

This shows the complete dataset for Nigeria

- National population Estimates
- National Government buildings
- National Road
- 49 national datasets




State Dataset

- Shows all the state with corresponding dataset for each state






37 states

Order by: Name Ascending

 <p>Abia</p> <p>Abia is a state in the southeastern part of Nigeria. The capital is Umuahia and the major city is a ...</p> <p>34 datasets</p>	 <p>Adamawa</p> <p>Adamawa is a state in northeastern Nigeria, with its capital at Yola.</p> <p>26 datasets</p>	 <p>Akwa Ibom</p> <p>Akwa Ibom is a state in Nigeria with the state capital in Uyo. The state is located in the zone, and ...</p> <p>26 datasets</p>	 <p>Anambra</p> <p>Anambra is a state in southeastern Nigeria. Its name is an anglicized version of the original Oma ...</p> <p>32 datasets</p>	 <p>Bauchi</p> <p>Bauchi, is a state in northern Nigeria. Its capital is the city of Bauchi</p> <p>33 datasets</p>
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37 states

Order by: Name Descending

 <p>Zamfara</p> <p>Zamfara is a state in northwestern Nigeria. Its capital is Gusau</p> <p>28 datasets</p>	 <p>Yobe</p> <p>Yobe is a state located in Northeast Nigeria. The capital is Damaturu</p> <p>31 datasets</p>	 <p>Taraba</p> <p>Taraba State lies largely within the middle of Nigeria and consists of undulating landscape dotted ...</p> <p>34 datasets</p>	 <p>Sokoto</p> <p>Sokoto state, is located in the extreme northwest of Nigeria, near to the confluence of the Sokoto ...</p> <p>32 datasets</p>	 <p>Rivers</p> <p>31 datasets</p>
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Abia

God's own state.

Abia is a state in the southeastern part of Nigeria. The capital is Umuahia and the major commercial city is Aba. The commercial hub, Aba was formerly a British colonial government outpost in the region. Abia state was created in 1991 from part of Imo State

State Code

AB

Followers

4

Datasets

Activity Stream

34 datasets in Abia

[Explore datasets](#)

Abia Fire Station

Structure or other area set aside for storage of firefighting apparatus such as fire engines and related vehicles, personal protective equipment, fire hoses and other specialized equipment

Abia Hamlet Areas

Populated place – place or area with clustered or scattered buildings and a permanent human population (city, settlement, town village) and by definition has no legal boundaries

Abia State

Datasets

Datasets are the containers of the resources.

States

States are used to classify the information by geographical areas.

Sectors

Sectors are used to classify the information by topic.

Resources

Resources are data itself. It uses the URL to fetch data from the server.

The screenshot shows the GRID Nigeria website interface. At the top is a green navigation bar with the GRID Nigeria logo and links for Home, Datasets, National, States, Sectors, About, and Support. Below the navigation bar is a breadcrumb trail: Home / Datasets / Abia Primary Schools. The main content area is titled 'Abia Primary Schools'. A red callout box labeled 'Dataset' points to this title. Below the title, there are two cards: 'State' and 'Sector'. The 'State' card, highlighted with a red box, shows the Abia state flag and text: 'Abia is a state in the southeastern part of Nigeria. The capital is Umuahia and the major city is a ...'. The 'Sector' card, also highlighted with a red box, shows an icon of books and text: 'Education Datasets relating to schools, students, training, and qualifications.' To the right of these cards is a 'Description' section: 'Designated institution to provide learning spaces and learning environments for the teaching of students'. Below the description are tabs for 'Data and Resources', 'Metadata', and 'Activity Stream'. A green 'Manage' button is visible. At the bottom, there is a list of resources, with the first one being 'Primary Schools' (GeoJSON), highlighted with a red callout box labeled 'Resource'. A green 'Explore' button is next to it.

Data Explorer

Overview of the dataset

Shows the attributes related to Abia Primary Schools

Data Explorer		Metadata							
category	education	global_id	management	name	no_of_students	no_of_teachers	poi_type	source	state_cc
Primary	Formal	004fac69-8e5...	Private	Top Rank Pri...	85	8	School	GRID	AB
Primary	Formal	0069a499-25...	Private	Star Internati...	181	18	School	GRID	AB
Primary	Formal	009da35e-f0e...	Public	Umuaku Prim...			School	NMIS	AB
Primary	Formal	00a470b0-5a...	Faith Based	International ...		10	School	GRID	AB
Primary	Formal	00a99a7d-69f...	Public	Migrant Farm...			School	NMIS	AB
Primary	Formal	00af4fb1-801...	Public	Amaba Centra...			School	NMIS	AB
Primary	Formal	00b2b0bc-234...	Public	Ahiaba Centra...			School	NMIS	AB
Primary	Formal	00db3868-0c...	Private	The Brethren ...	200	18	School	GRID	AB
Primary	Formal	00ecb06c-f02...	Public	Migrant Fische...			School	NMIS	AB
Primary	Formal	0179cee6-dea...	Private	Holy Innocent...	80	13	School	GRID	AB
Primary	Formal	018d48dc-73...	Public	Umuakpa Co...			School	NMIS	AB
Primary	Formal	01e83447-f9c...	Private	Nuncian Inter...	20	3	School	GRID	AB
Primary	Formal	0207d43c-e26...	Private	Saint Agnes N...	52	6	School	GRID	AB
Primary	Formal	0211a3a8-54...	Private	Blessed Child ...	45	5	School	GRID	AB
Primary	Formal	0234ddd8-36...	Public	Umuakwua Co...			School	NMIS	AB

Meta Data

- Provides additional information about the data
- Data that provides information about another data in other words data about data

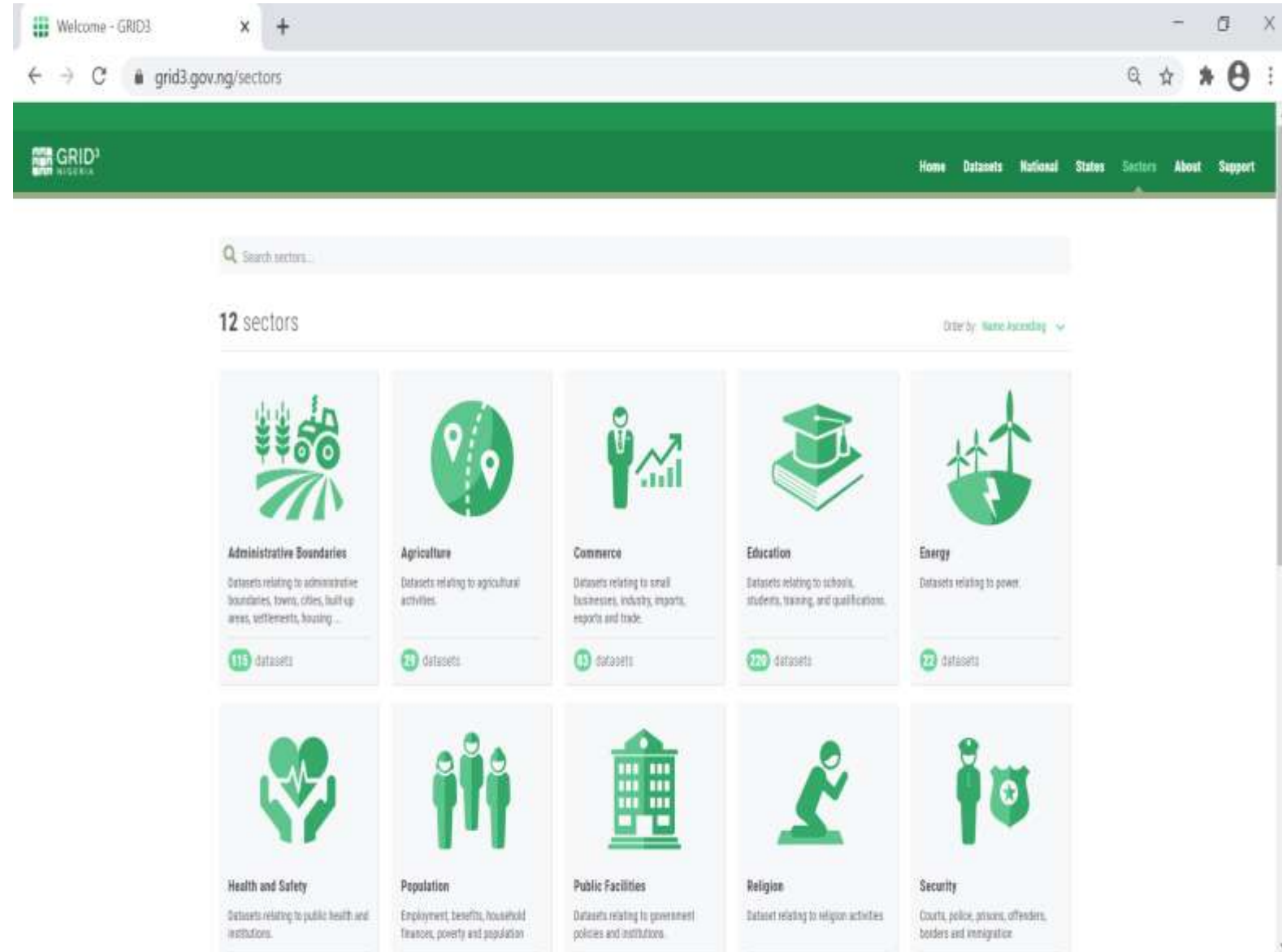
Data and Resources	Metadata	🕒 Activity Stream
Dataset Information		
Metadata Created	22 December, 2020	
Metadata Modified	22 December, 2020	
*** Extras ***		
Access Constraints	[]	
Bbox East Long	7.987501144	
Bbox North Lat	6.042149544	
Bbox South Lat	4.821804523	
Bbox West Long	7.141636383	
Contact Email	info@nasdra.gov.ng	
Coupled Resource	[]	
Dataset Reference Date	Invalid date	
Frequency Of Update	asNeeded	
Gn Localized Url	https://geonetwork.grid3.gov.ng/geonetwork/srv/en/	
Gn View Metadata Url	https://geonetwork.grid3.gov.ng/geonetwork/srv/en//metadata.show?	

Sector Datasets

There are currently 12 sectors

Sectors are used to classify the information by topic.

Each sector has its own dataset



The screenshot shows the GRID3 Nigeria website interface. The browser address bar displays "grid3.gov.ng/sectors". The website header includes the GRID3 Nigeria logo and navigation links: Home, Datasets, National, States, Sectors, About, and Support. A search bar is located below the header. The main content area is titled "12 sectors" and features a grid of 12 sector cards, each with an icon, title, description, and dataset count.

Sector	Dataset Count
Administrative Boundaries	115 datasets
Agriculture	29 datasets
Commerce	43 datasets
Education	220 datasets
Energy	22 datasets
Health and Safety	
Population	
Public Facilities	
Religion	
Security	

Education

Datasets relating to schools, students, training, and qualifications.



Followers

2

Education

Datasets relating to schools, students, training, and qualifications.

Datasets

Activity Stream

220 datasets in Education

[Explore datasets](#)

National Religious Schools

Designated institution to provide learning spaces and learning environments for the teaching of students

National Private Schools

Designated institution to provide learning spaces and learning environments for the teaching of students

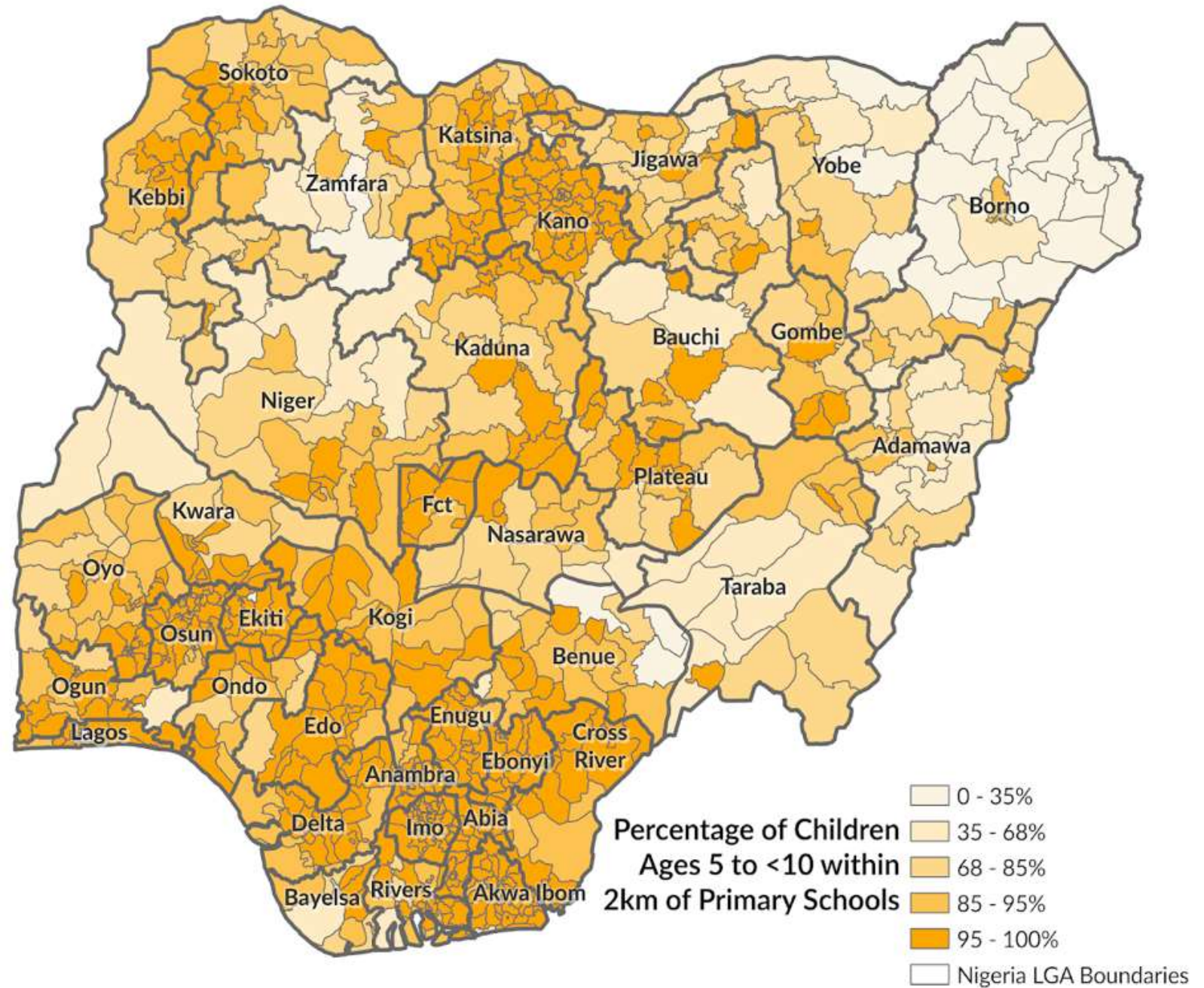
National Tertiary Schools

Designated institution to provide learning spaces and learning environments for the teaching of students

SUCCESS STORIES

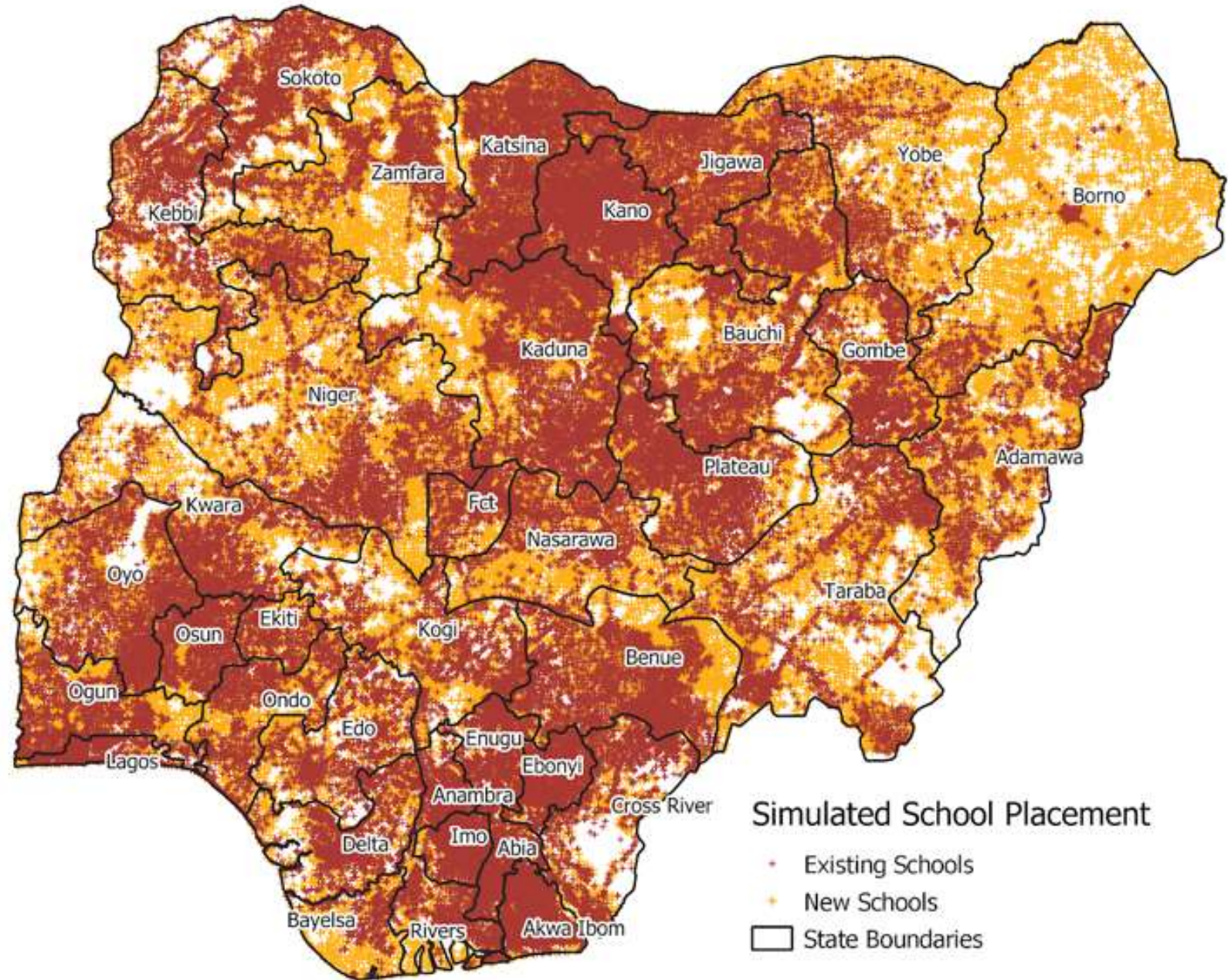
ACCESS TO EDUCATION

In order to visually and quantitatively demonstrate the current state of the school-age population's access to primary schools throughout the country, UBEC's National Personnel Audit (NPA) dataset and the GRID3 Nigeria Population Estimates were utilised.

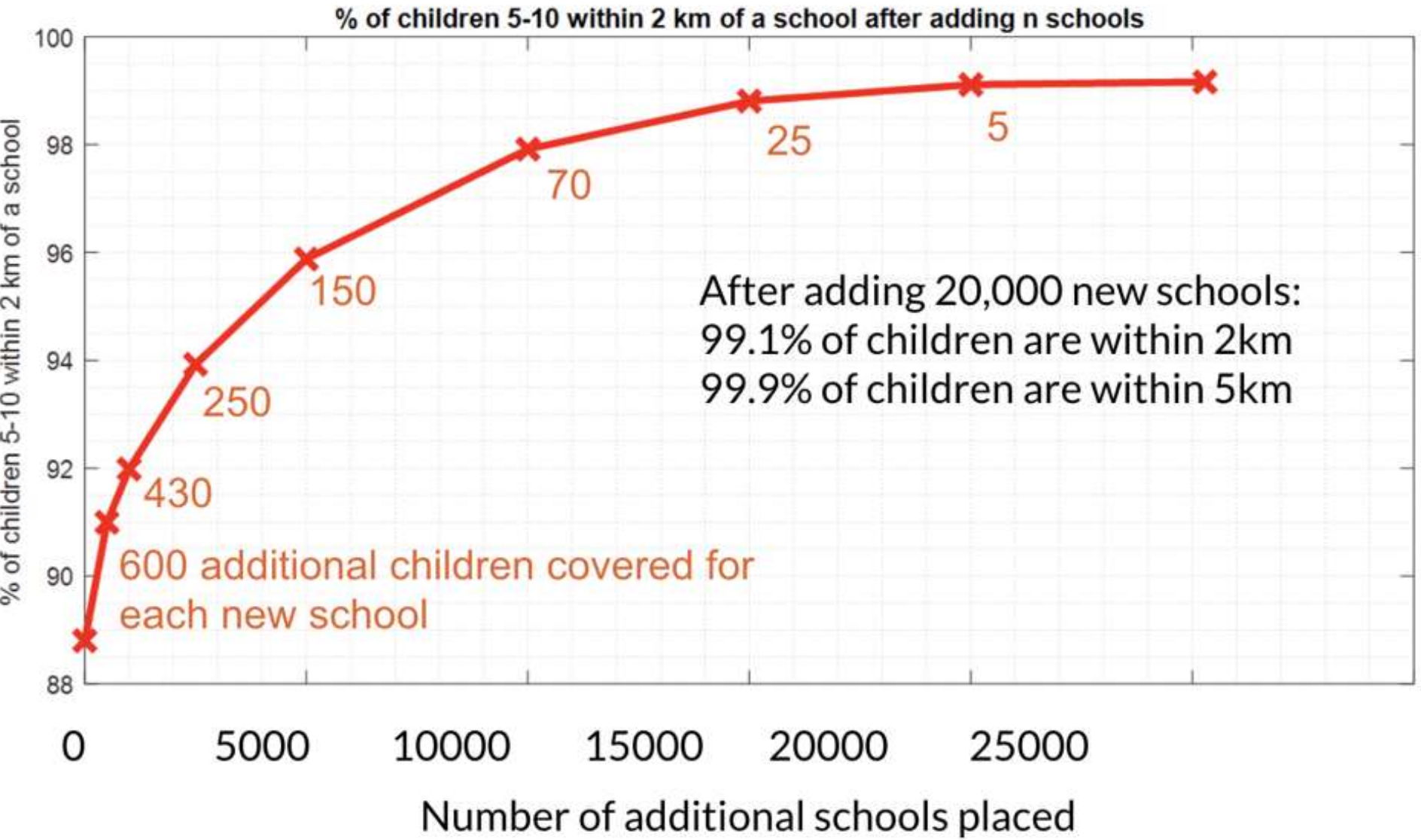


SCHOOL PLACEMENT OPTIMISATION TOOL (SPOT)

- An optimisation model that simulates the placement of schools in locations that maximise coverage and student access was developed and is currently being utilised by UBEC.
- A map of Nigeria that demonstrates the location of existing primary schools and where new primary schools should be constructed according to model results.

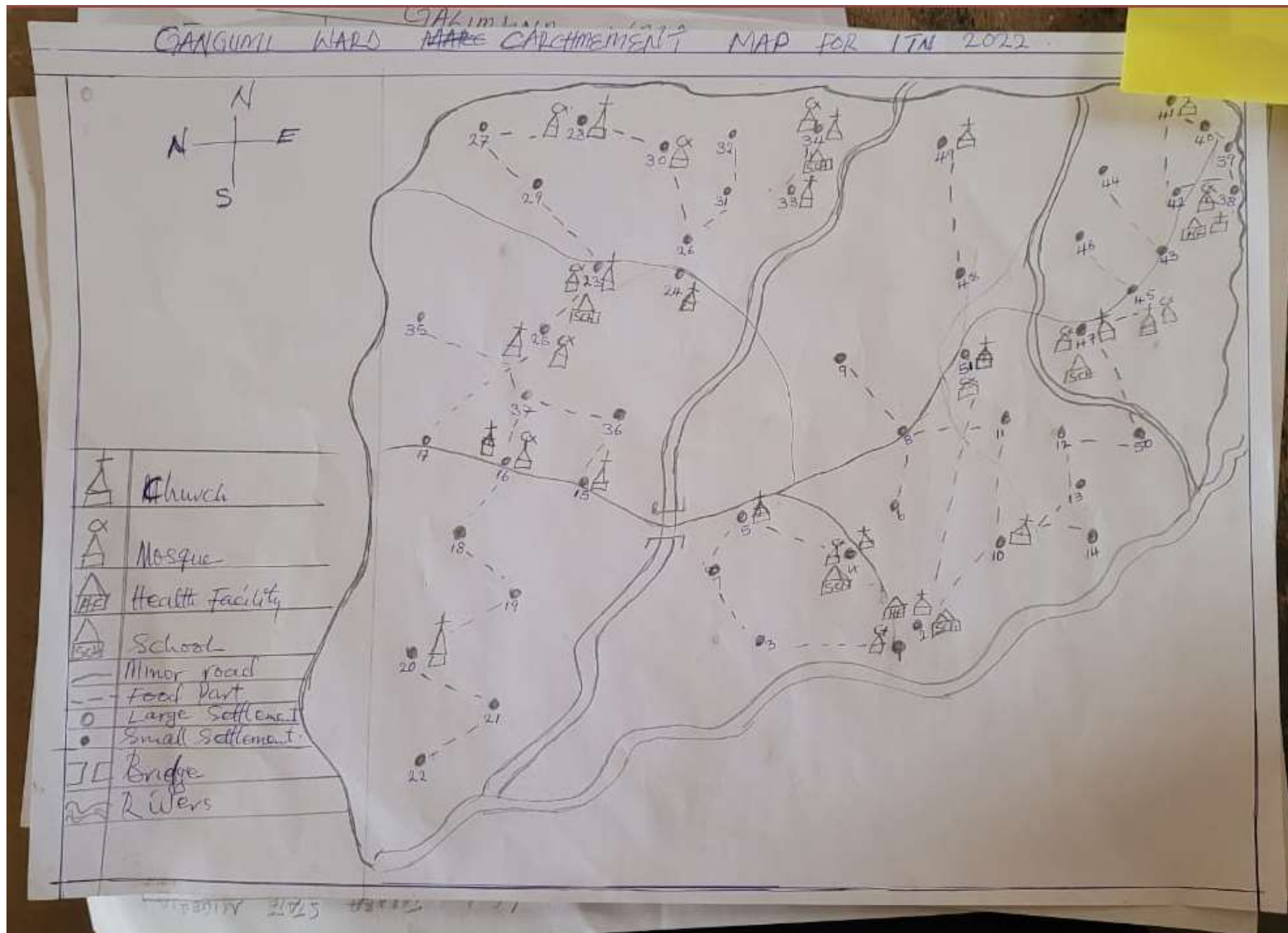


SPOT



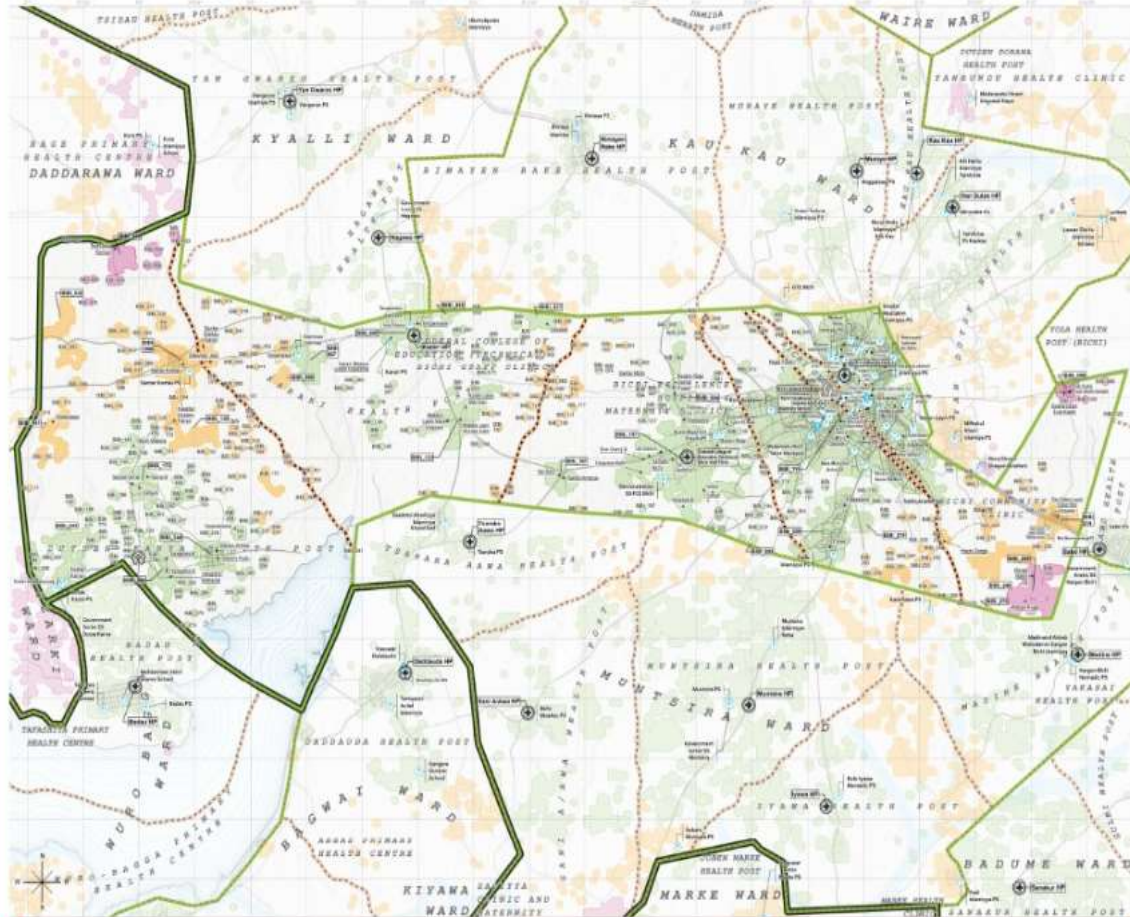
- The graph shows the percentage of the population within 2km of schools as a function of the number of additional schools constructed.

GEOSPATIAL MICROPLANNING TOOLKIT (GMT)

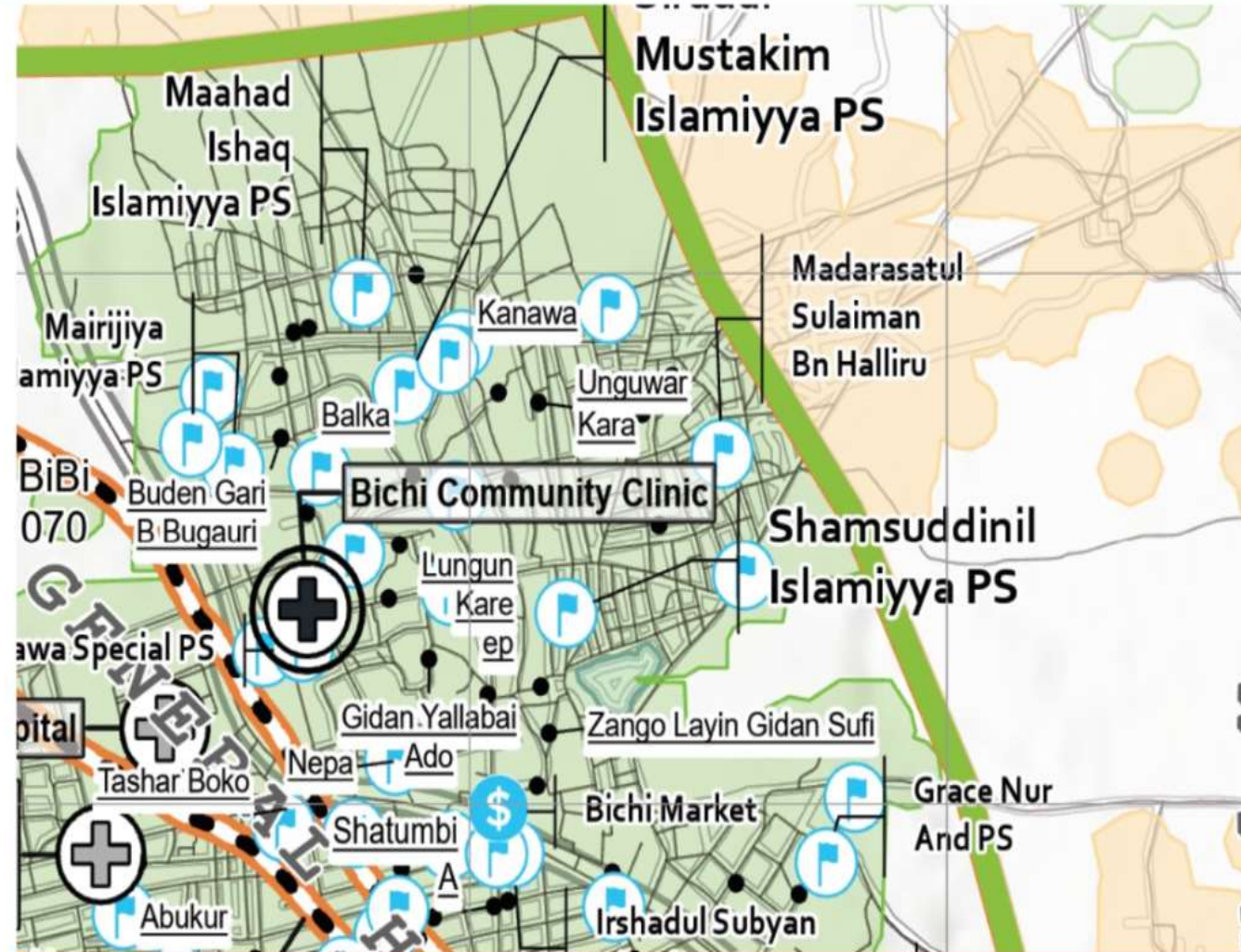


Bichi Ward Maps

BICHI WARD, BICHI LGA, KANO STATE



Ward	Estimated Population*	Estimated # HHs	Estimated # ITNs	Estimated # DH
Bichi	120,798	24,160	67,110	28
LGA	Estimated Population*	Estimated # HHs	Estimated # ITNs	Estimated # DH
Bichi	523,941	104,788	291,078	121



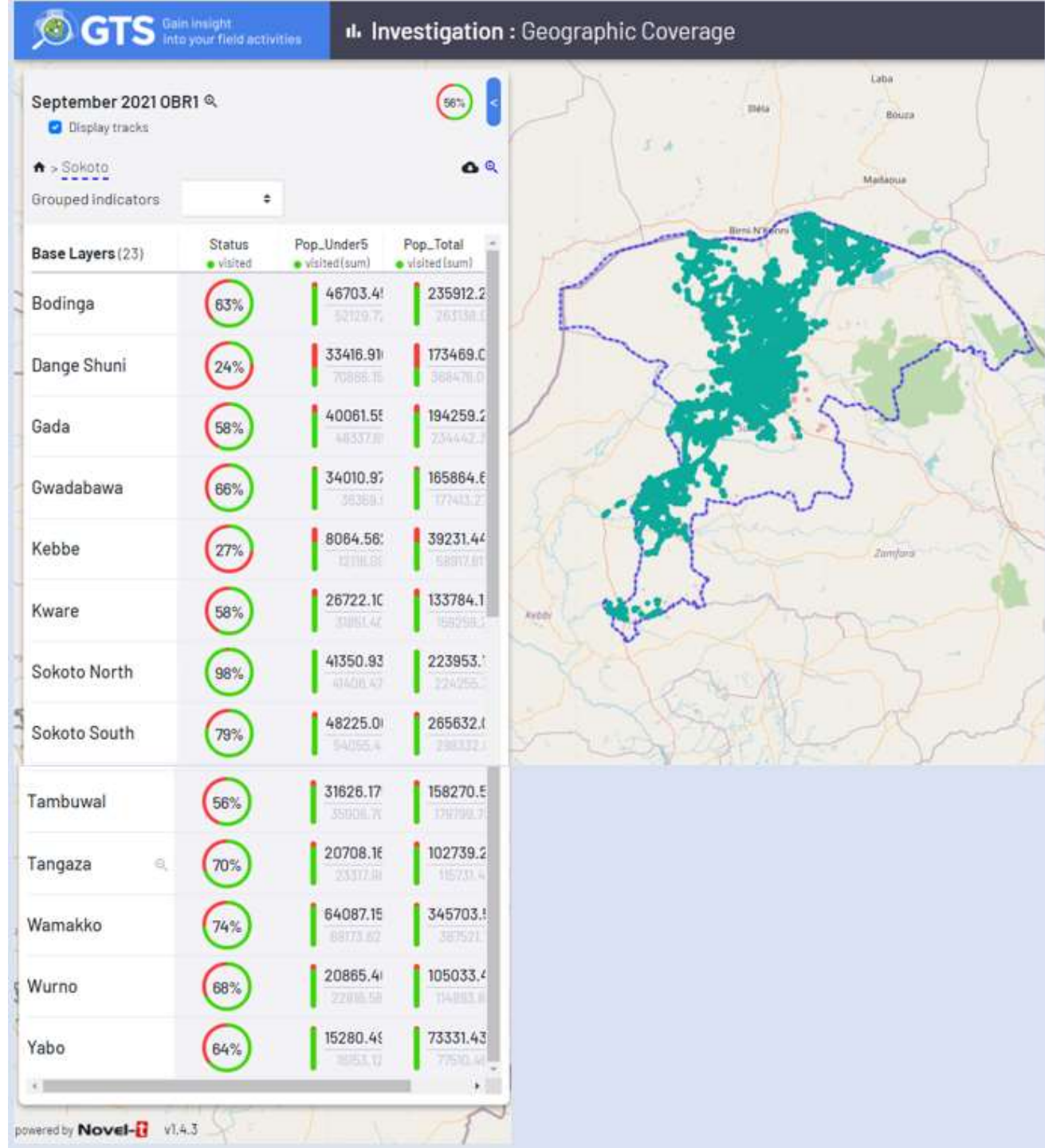
Health Facility Catchment Area	Estimated Population*	Estimated # HHs	Estimated # ITNs	Estimated # DH
Bichi Community Clinic	56,382	11276	31323	13

GEOSPATIAL TRACKING SYSTEM (GTS)

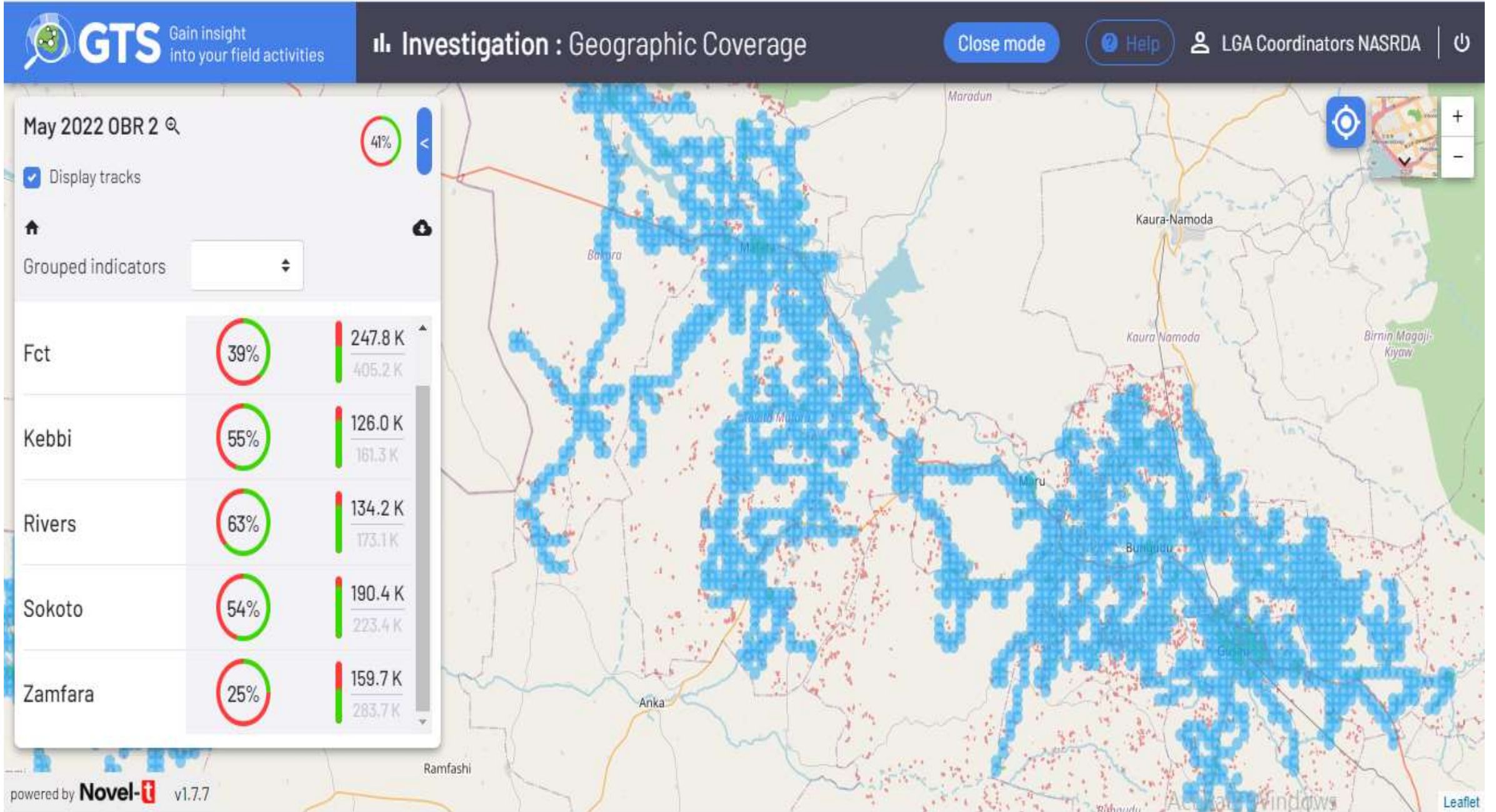
- The Geospatial tracking System (GTS) is being administered by the Nigerian Space Agency and is evidence based.
- Tracks the progress of teams with global position system enabled mobile devices to assess level of coverage in near-real time aimed at ensuring no household/settlement is missed.

SOP for achieving the desired result :

- Desktop/Field Reviews and Design of GTS
- Training of team to serve as State and LGA coordinators
- Advocacy reach-out / visit to the state and LGA officials
- Orientation and training of state and LGA teams
- Vaccination tracking
- Daily Vaccination Reviews and Tracking assessment/reporting



OVERVIEW OF GTS DASHBOARD



CONCLUSION

The data on the GRID3 portal becomes very critical in the disaster management cycle, i.e.

- **MITIGATION**
- **PREPAREDNESS**
- **RESPONSE AND**
- **RECOVERY**

- WWW.GRID3.GOV.NG

- GTS.HEALTH (log-in access required)

Thank you