Support Campaign Planning and Delivery

Ona services to support service delivery

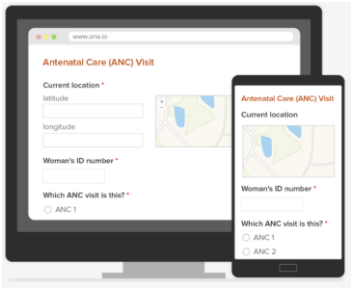
Public

Our platforms

Ona Data, a mobile and web applications for offline data collection; Akuko, a map-intensive business intelligence tool; and OpenSRP, an open-source digital health platform.

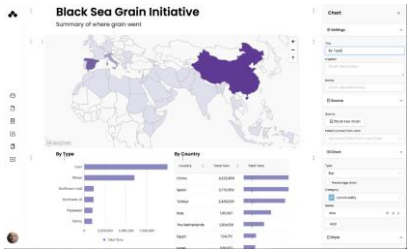
OnaData

Mobile data collection platform used by thousands of organizations globally for data collection and real-time monitoring



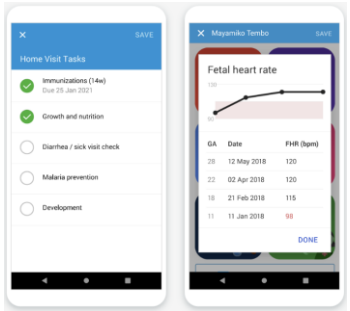
Akuko

A platform for creating custom data experiences, from business intelligence dashboards to beautiful maps and data portals

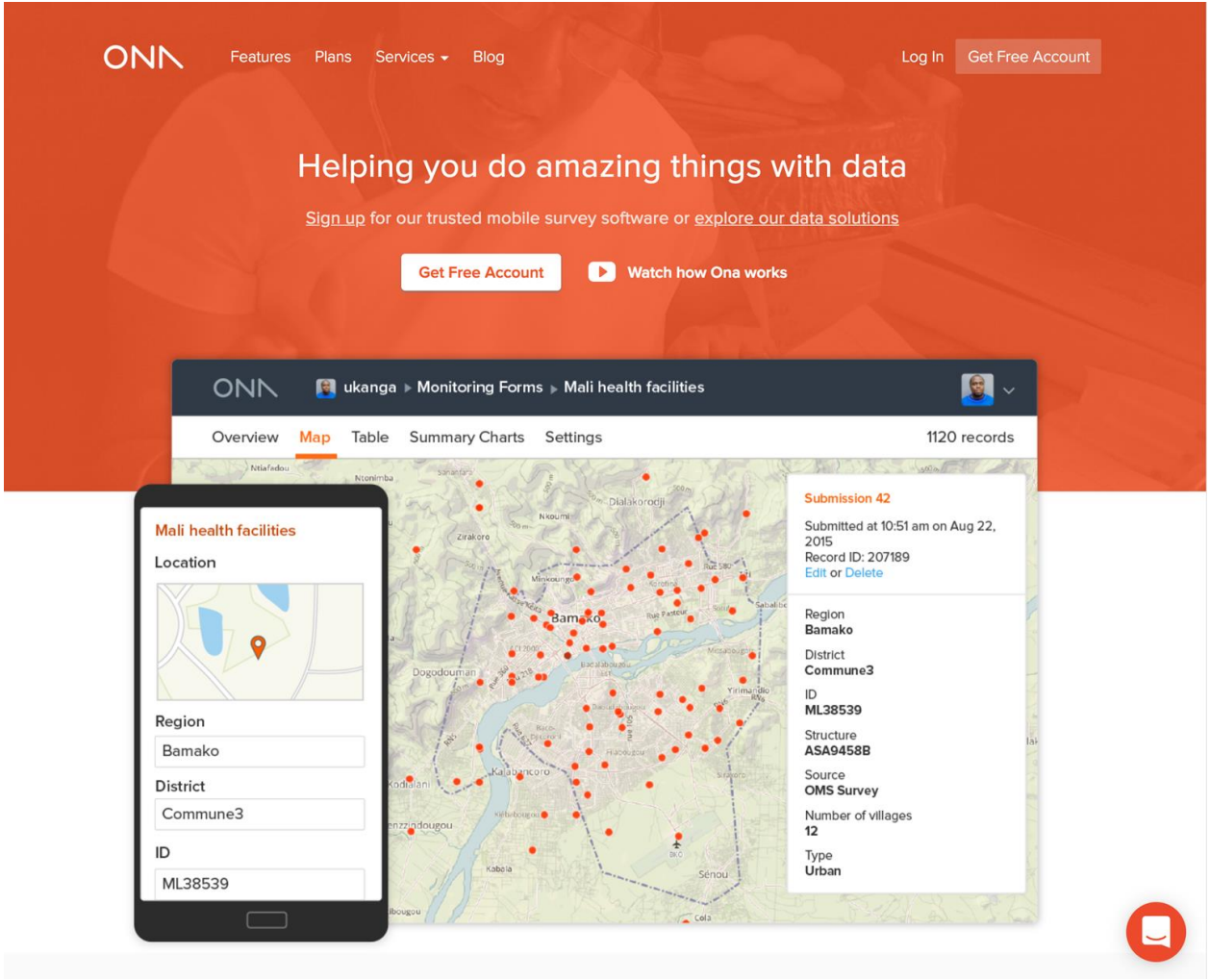


OPENSRP

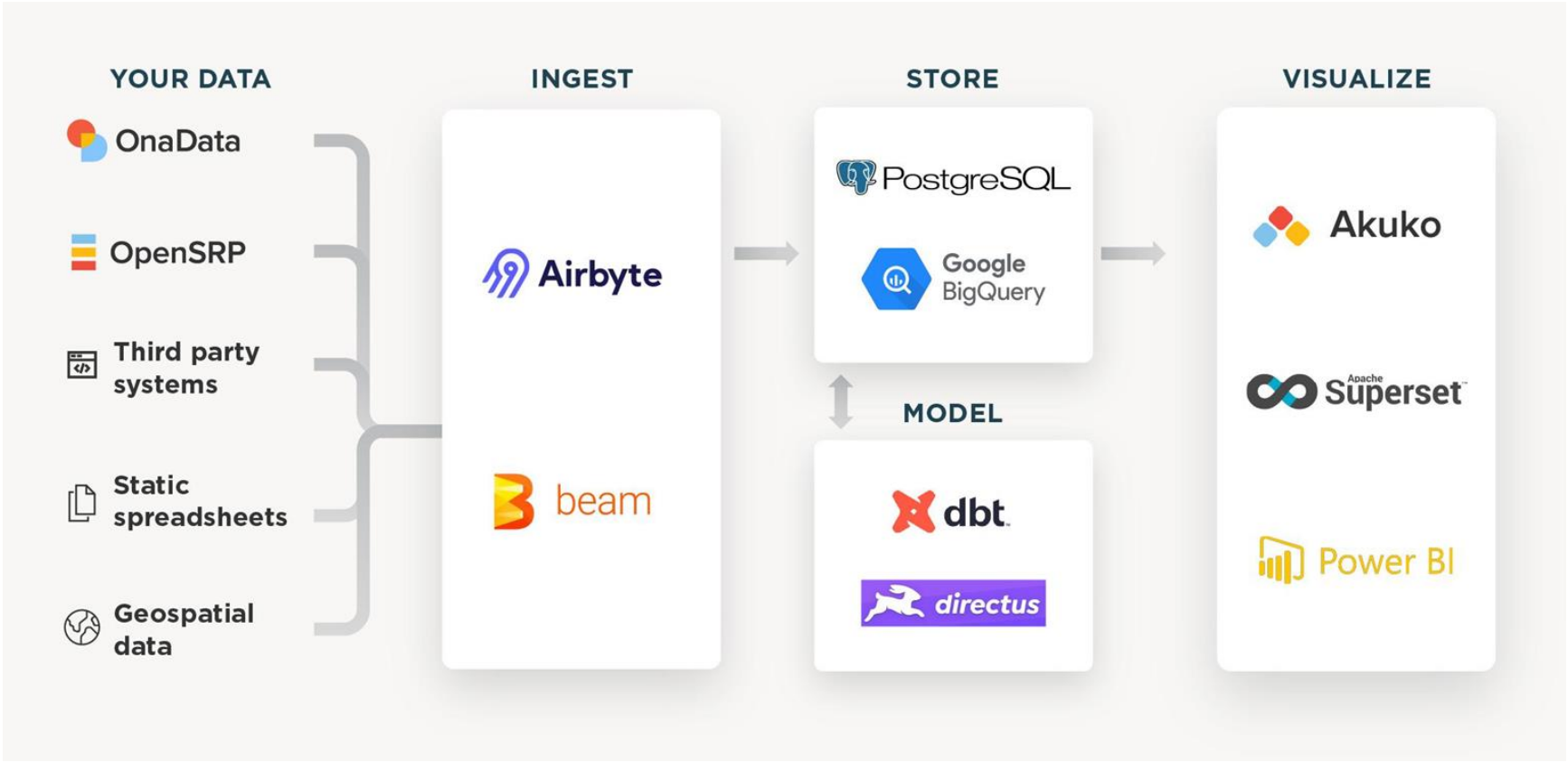
Open-source electronic health record platform designed for health workers and facilities in low connectivity environments



Public

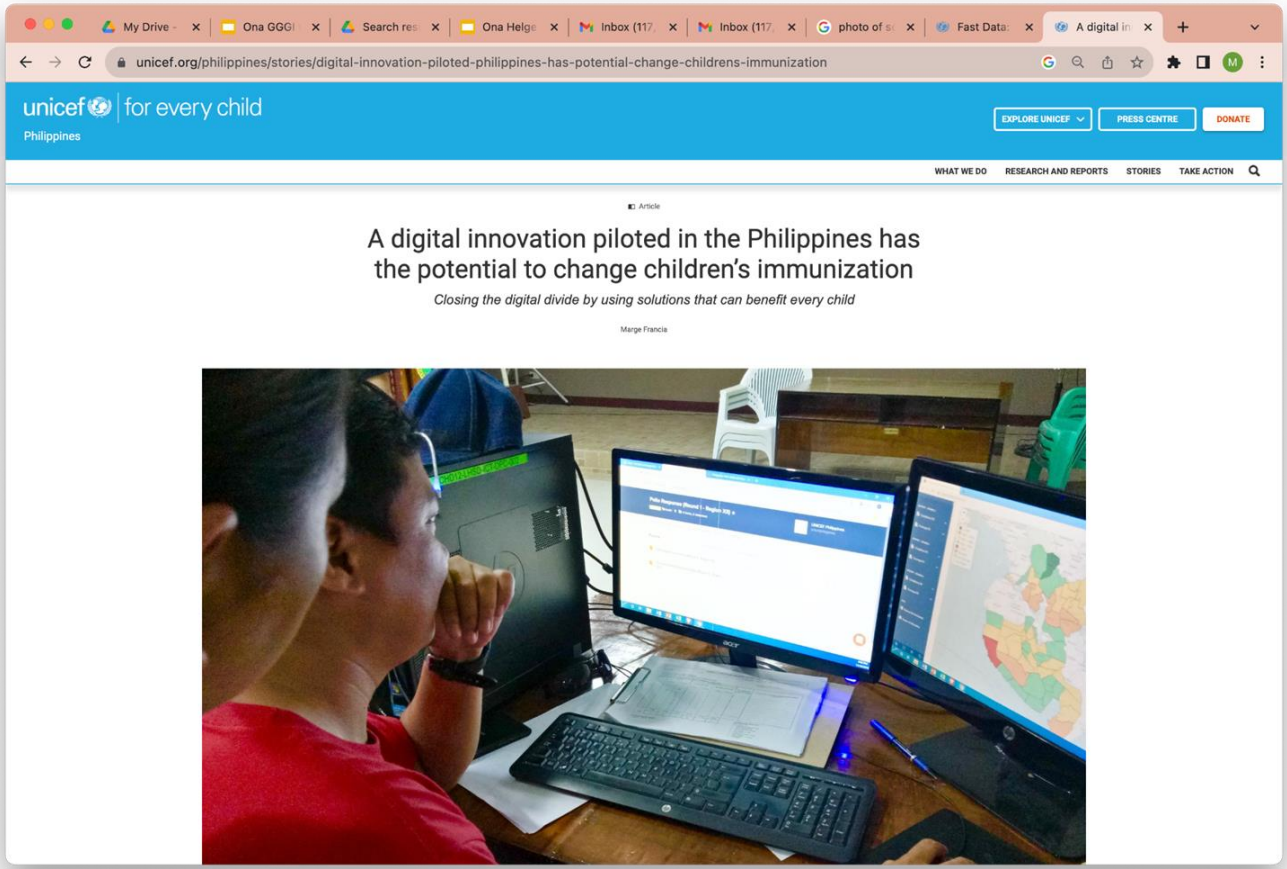

ONA
Features
Plans
Services
Blog
Log In
Get Free Account
Helping you do amazing things with data
Sign up for our trusted mobile survey software or explore our data solutions
Get Free Account
Watch how Ona works
ONA
ukanga ▸ Monitoring Forms ▸ Mali health facilities
Overview
Map
Table
Summary Charts
Settings
1120 records
Mali health facilities
Location
Region
Bamako
District
Commune3
ID
ML38539
Submission 42
Submitted at 10:51 am on Aug 22, 2015
Record ID: 207189
Edit or Delete
Region
Bamako
District
Commune3
ID
ML38539
Structure
ASA9458B
Source
OMS Survey
Number of villages
12
Type
Urban

Public



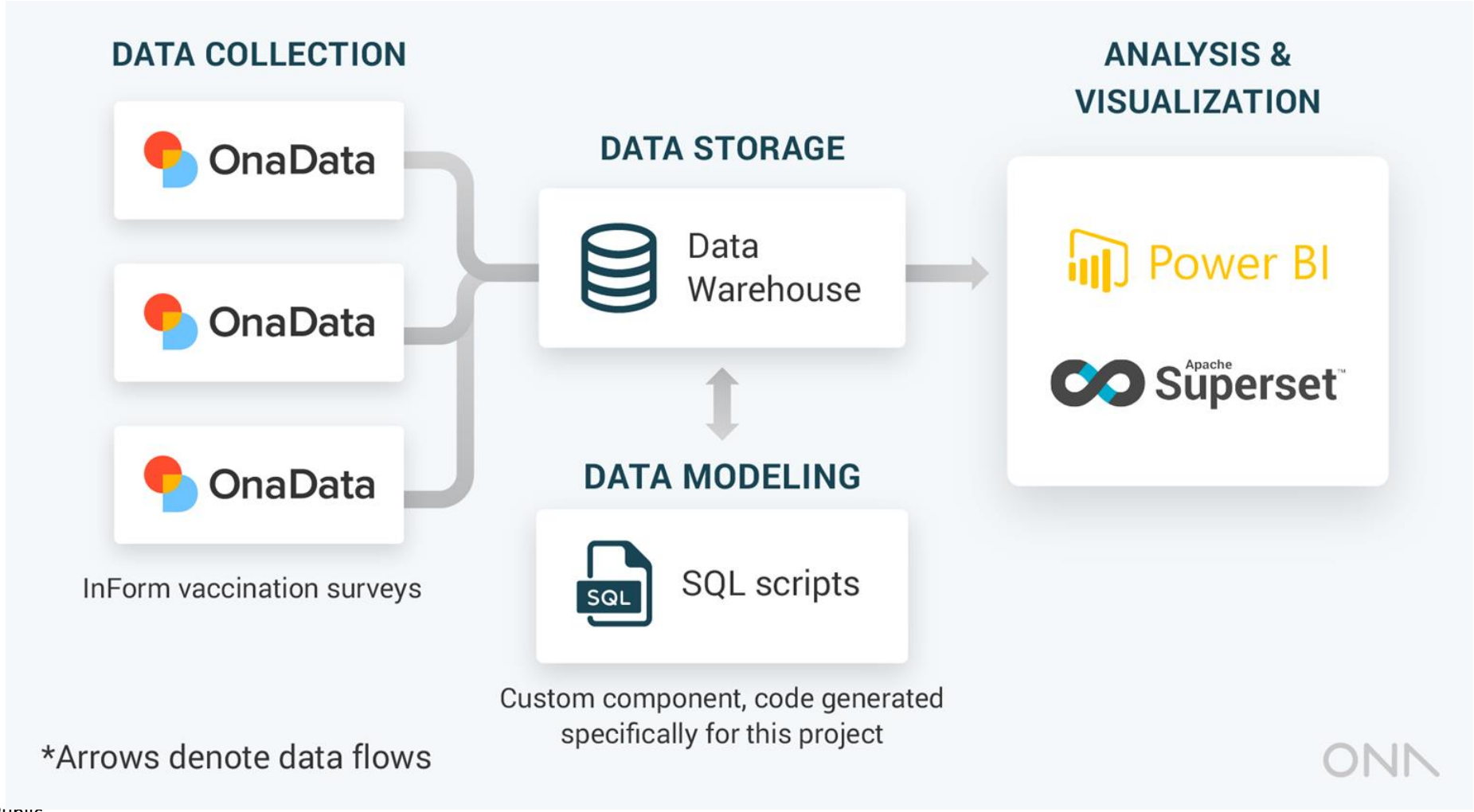
Real Time Monitoring System Approach

Public



Case Study 1 - UNICEF Real-time Vaccination Monitoring and Analysis (RT-VaMA)

Public


DATA COLLECTION
OnaData
OnaData
OnaData
InForm vaccination surveys
DATA STORAGE
Data Warehouse
DATA MODELING
SQL
SQL scripts
Custom component, code generated specifically for this project
ANALYSIS & VISUALIZATION
Power BI
Apache Superset
*Arrows denote data flows

Public

DOH
For Vaccine Use Only
unicef
E-4
acer

SPV Rapid Coverage Assessment

Last dashboard refresh: 09/11/2023

This dashboard is used to assess whether the targets were met during the vaccination campaign or a mop-up is needed in geographical areas where the targets were not met.
The dashboard has an overview section that provides a summary of the number of children who have been vaccinated, number of doors visited and % of children vaccinated against the total number of children present in the doors visited.
It also has a bar chart that shows the reason breakdown as to why the children were not vaccinated and the sources of information where the household received the campaign information.

unicef
for every child

Vaccine administered: Vaccine 1

RCA date (From - To): 24/02/2023 – 05/09/2023

Region: All

Province: All

Municipality: All

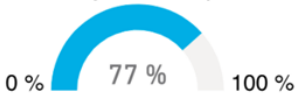
Barangay: All

Summary Statistics

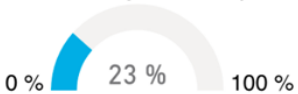
Text placeholder to be modified by UNICEF.

Summary | Vaccination Per Province | Doors visited per geographic level

% children vaccinated against total present in the house

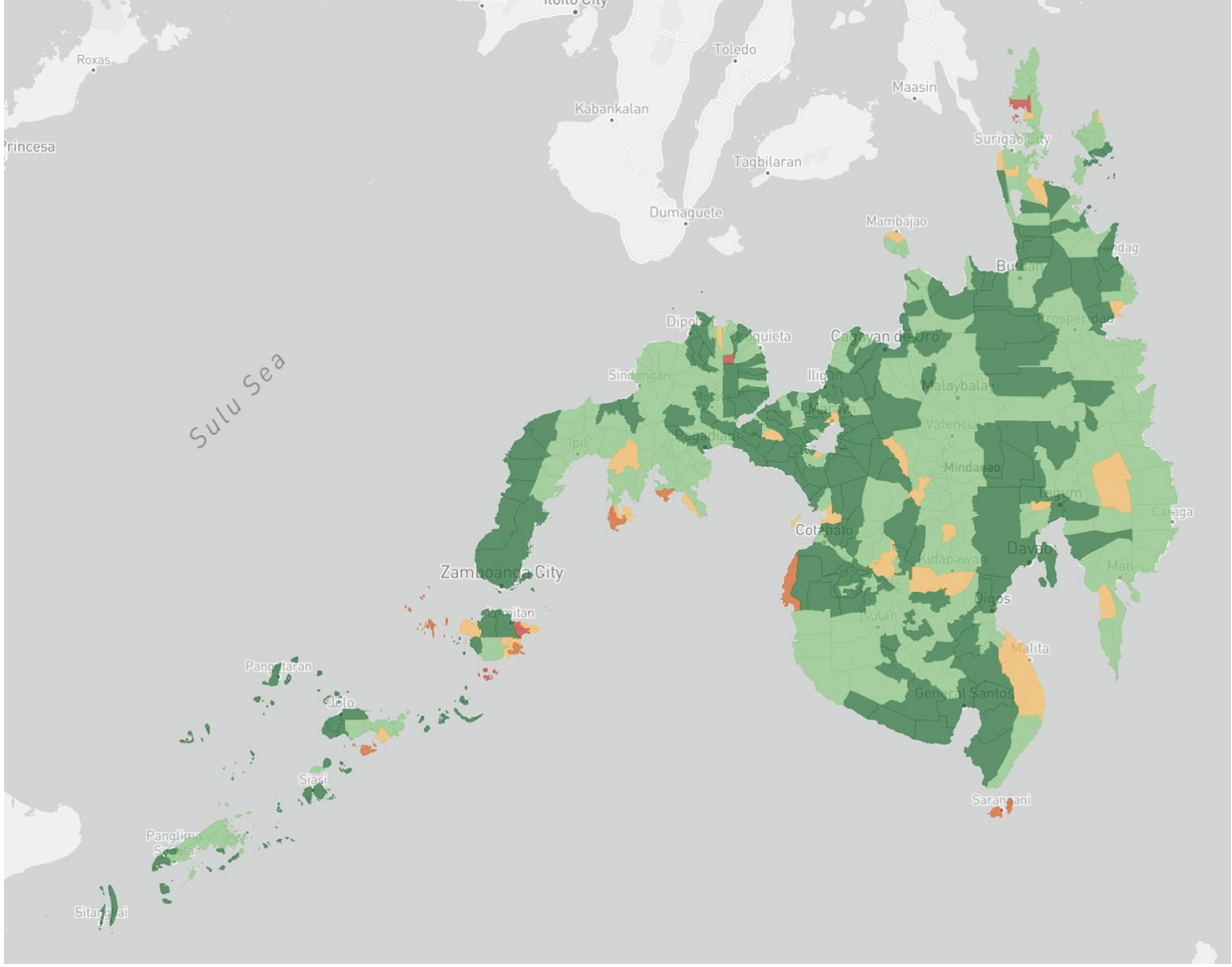


% children not vaccinated against total present in the house



No. of doors visited	Children present in the house	No. of children vaccinated	No. of children not vaccinated
47	95	73	22

Public

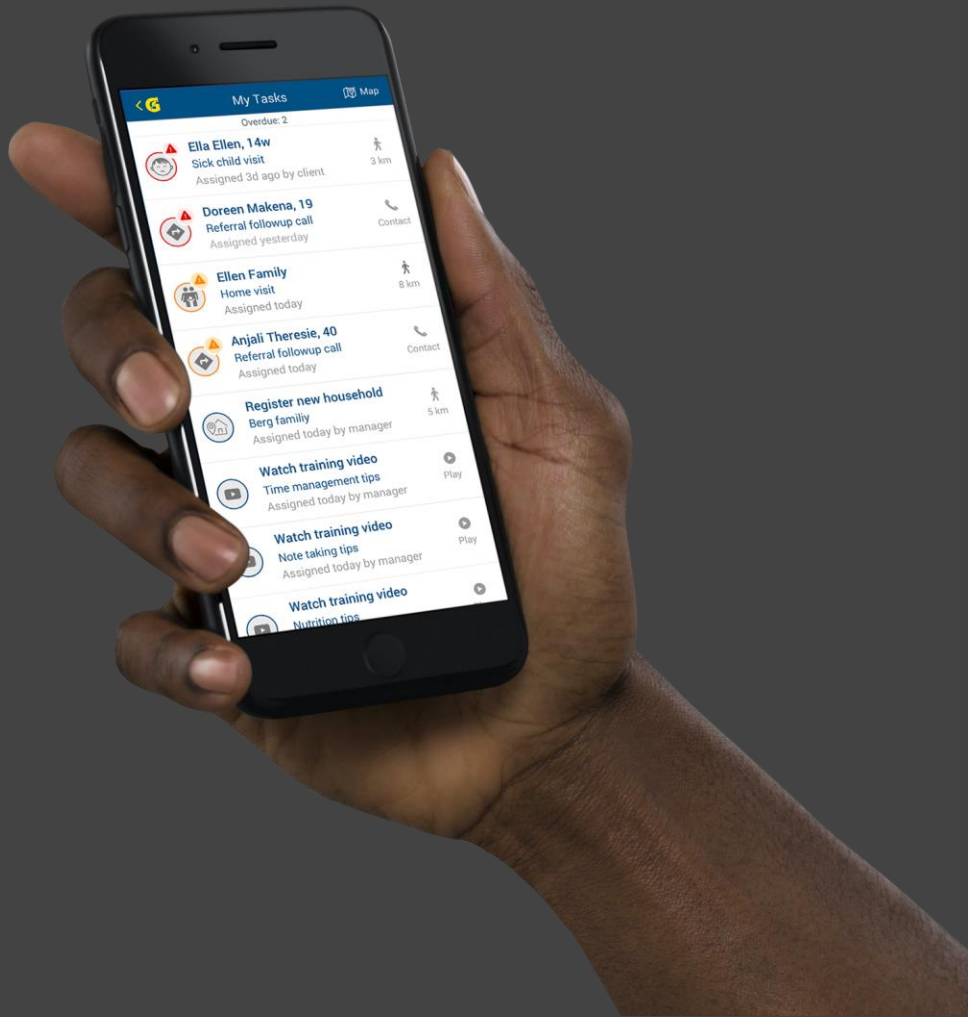


Polio Coverage Map Philippines

Public

OPENSRP

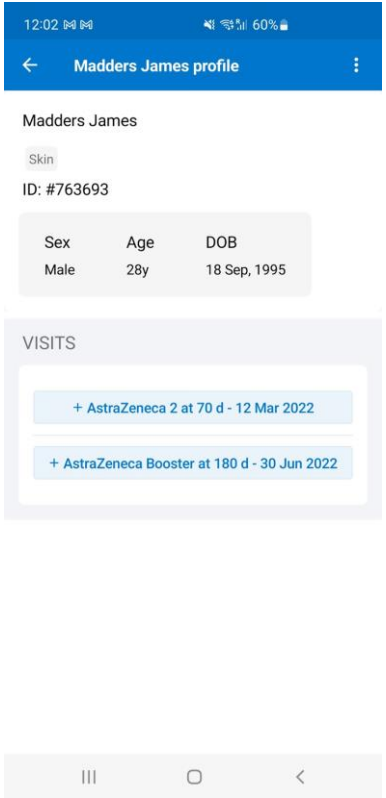
Enabling WHO SMART Guidelines

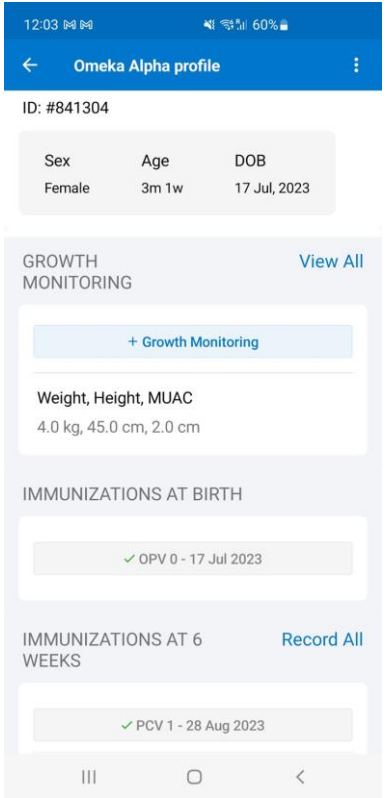


Public

- Register Adult and Child Patients
- Adult Immunization
  - e.g Covid 19
- Child Immunization for children under 5 as per WHO and MoH Guidelines
- Child Growth Monitoring
  - Z-Score

ZEIR





Zambia

ZEIR

Electronic Immunization Registry For Zambia, managing Adult Immunization such as Covid19 and Child Immunization and Child Growth Monitoring

Door-to-door household-based campaigns

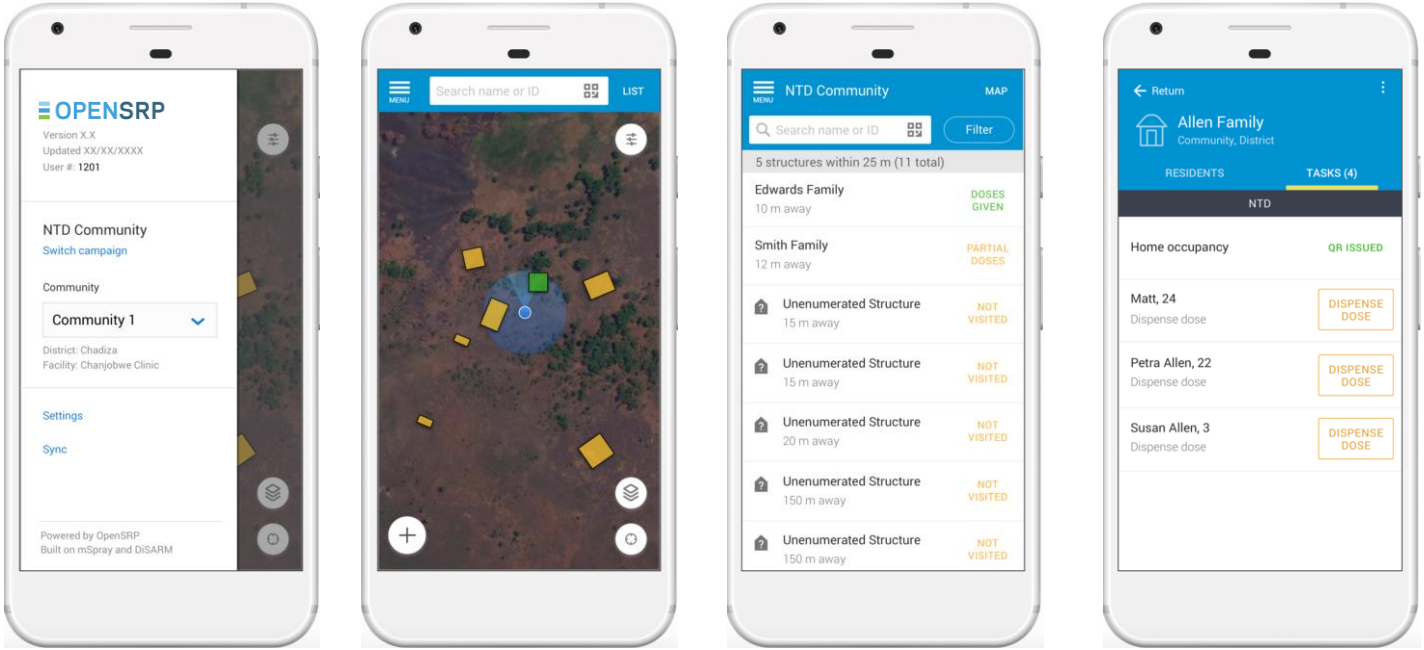
Ensure no one is missed

Register the location of each household with a GPS or linked to an existing structure on the map

Register each household member - include CP and biometric if available

Record vaccine given and any other relevant information (including non-consent)

Automatically generate follow-up vaccine task if second dose is required

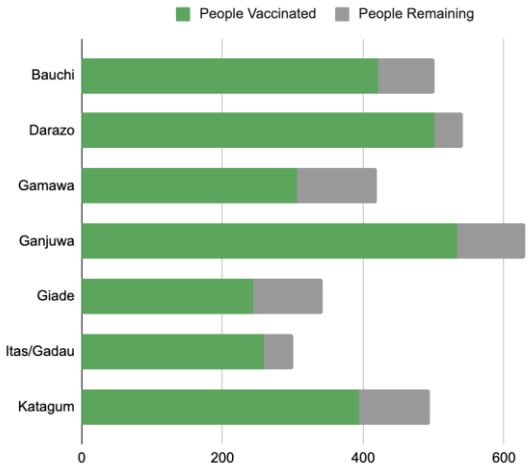


Public

Monitor Campaign Progress in Real-time

OPENSRP

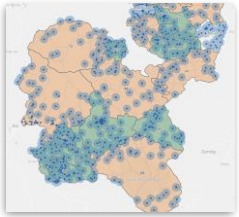
Track which people and communities receive vaccine services and areas receive vaccination services



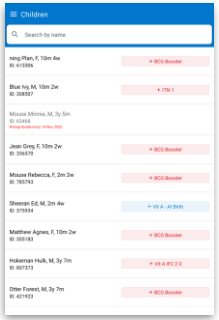
Set targets and manage human and vaccine resource planning

Public

Addressing Zero Dose Children Requires a Health System Response



Microplanning

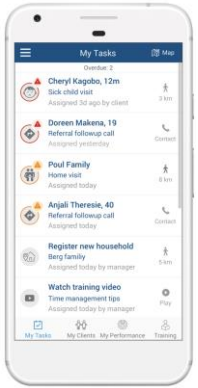


Facility EIR

Campaigns

HL7 FHIR

Patient Health Records

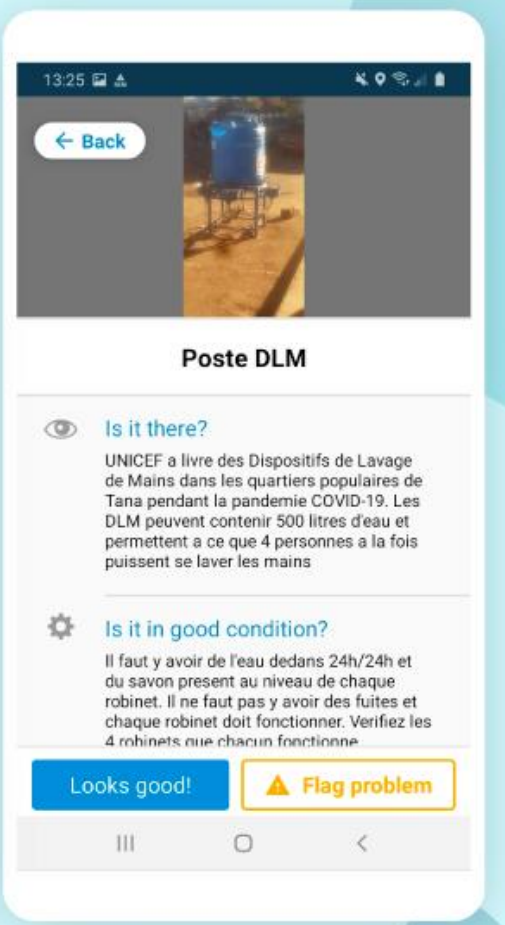


CHWs

Public

unicef

End User Supply Monitoring



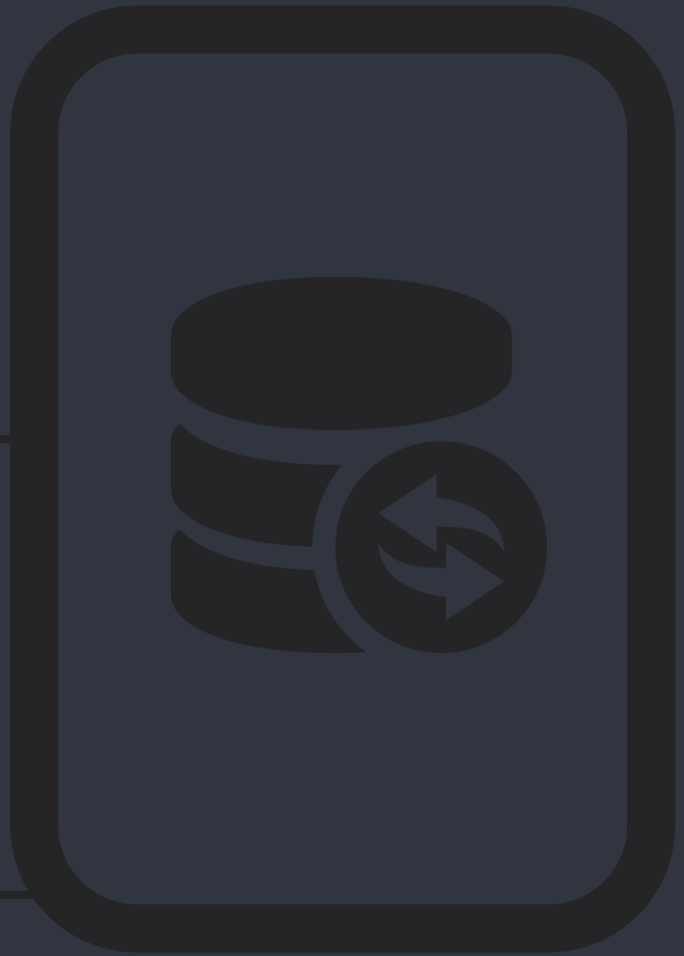
ONA

Public

Akuko is a no-code platform for creating data stories, dashboards, maps, and apps.

Public

Connect your data to Sources.



Public

Build Posts using components.

Public

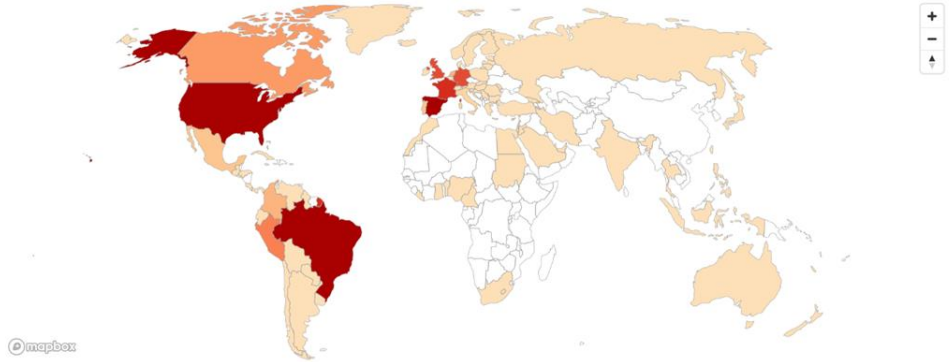
Monkeypox Outbreak Dashbo

app.akuko.io/post/84cd71fb-9ce0-480a-8571-0e608a287849

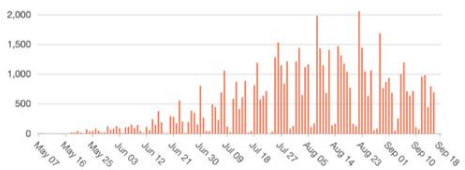
Global Health Initiative

Monkeypox Outbreak Dashboard

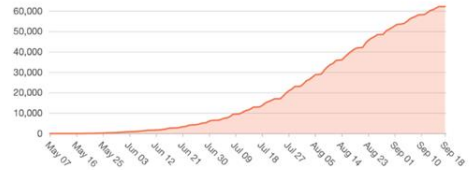
Last updated September 18th, 2022



Daily Cases



Total Cases



Public

Monkeypox Outbreak Dashbo

app.akuko.io/post/84cd71fb-9ce0-480a-8571-0e608a287849

Monkeypox Outbreak

There are currently **62,277** confirmed cases of Monkeypox globally.

Monkeypox is viral zoonotic disease that occurs primarily in tropical rainforest areas of central and west Africa and has recently spread globally. Monkeypox can be transmitted between humans through close physical contact (eg. contact with lesions, body fluids, respiratory droplets, and contaminated materials such as bedding). Right now, cases are primarily clustered among men who have sex with other men, but anyone can catch the virus.

Monkeypox is usually not lethal but can be extremely painful. Common symptoms include a fever and a painful rash / lesions that last 2-4 weeks.

Monkeypox is not a new disease - but its recent rapid spread has caused international alarm with WHO declaring the recent Monkeypox outbreak a Global Health Emergency on July 23rd, 2022.

Confirmed Cases by Country

United States - 23,340

Spain - 7,037

Brazil - 6,807

France - 3,889

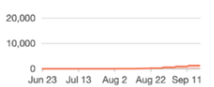
Germany - 3,556

United Kingdom - 3,552

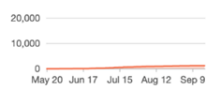
Peru - 2,054

Canada - 1,362

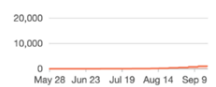
Colombia - 1,260



Netherlands - 1,209

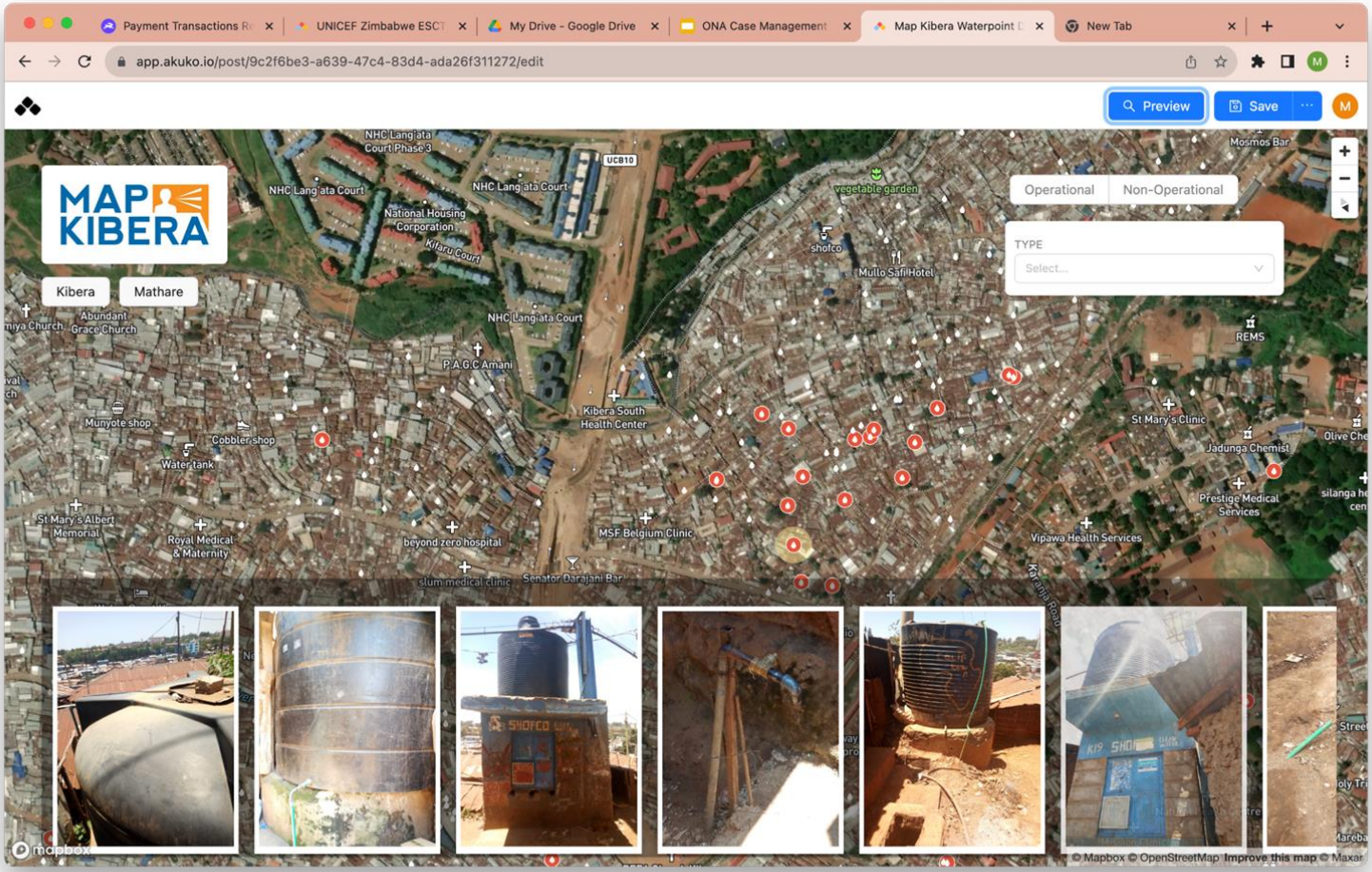


Mexico - 1,051



Portugal - 908

Public


Payment Transactions
UNICEF Zimbabwe ESC
My Drive - Google Drive
ONA Case Management
Map Kibera Waterpoint
New Tab
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Preview
Save
MAP KIBERA
Kibera
Mathare
Operational
Non-Operational
TYPE
Select...
NHC Langata Court Phase 3
NHC Langata Court
National Housing Corporation
Kifaru Court
UCB10
vegetable garden
shofco
Mullo Safi Hotel
Mosmos Bar
REMS
St Mary's Clinic
Jadunga Chemist
Prestige Medical Services
Vipawa Health Services
Olive Che
Abundant Grace Church
P.A.G.C Amani
Kibera South Health Center
Munyote shop
Cobbler shop
Water tank
St Mary's Albert Memorial
Royal Medical & Maternity
beyond zero hospital
slum medical clinic
Senator Darajani Bar
MSF Belgium Clinic
Karanja Road
mapbox
© Mapbox © OpenStreetMap Improve this map © Maxar

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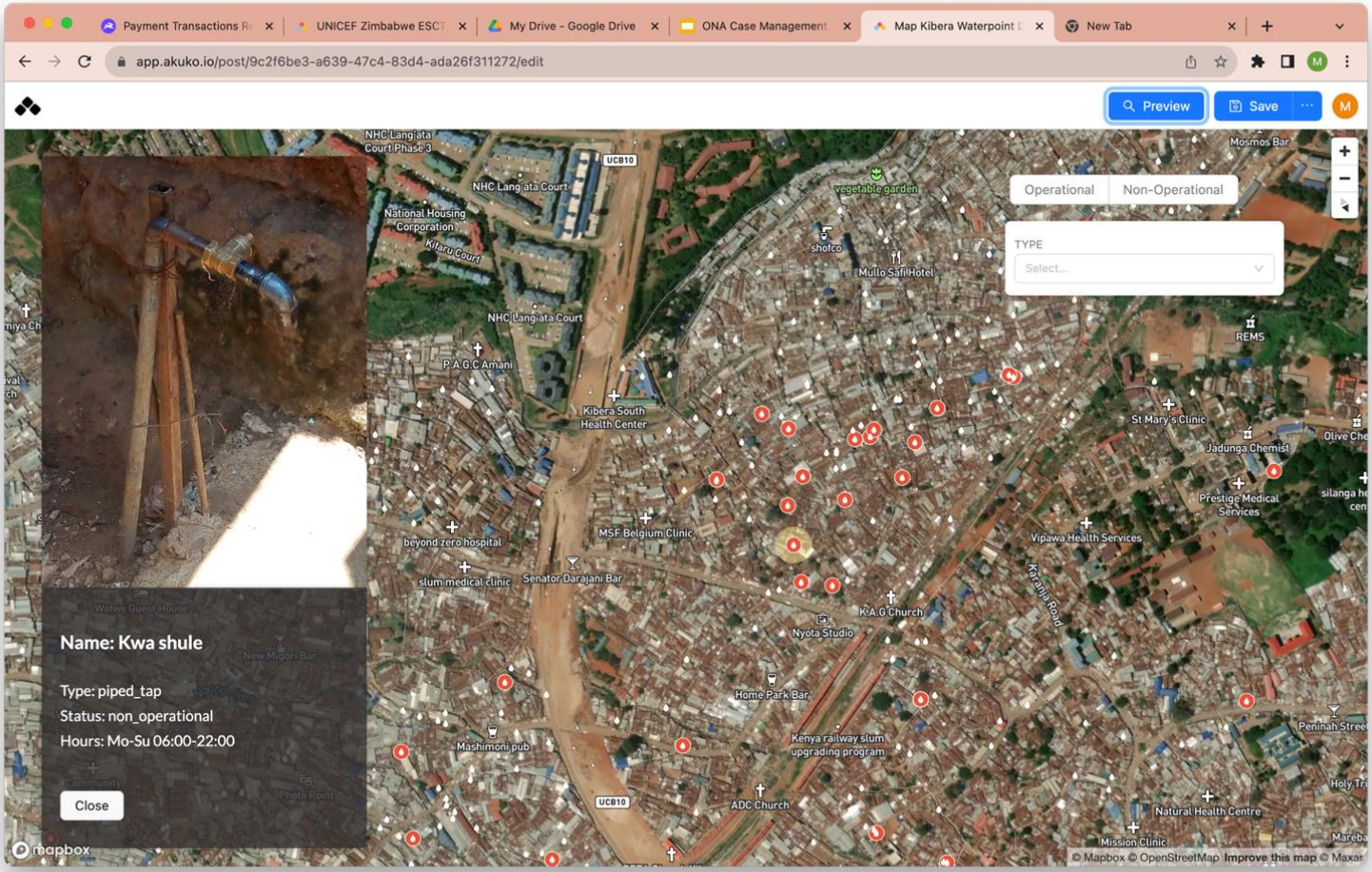
Payment Transactions
UNICEF Zimbabwe ESC
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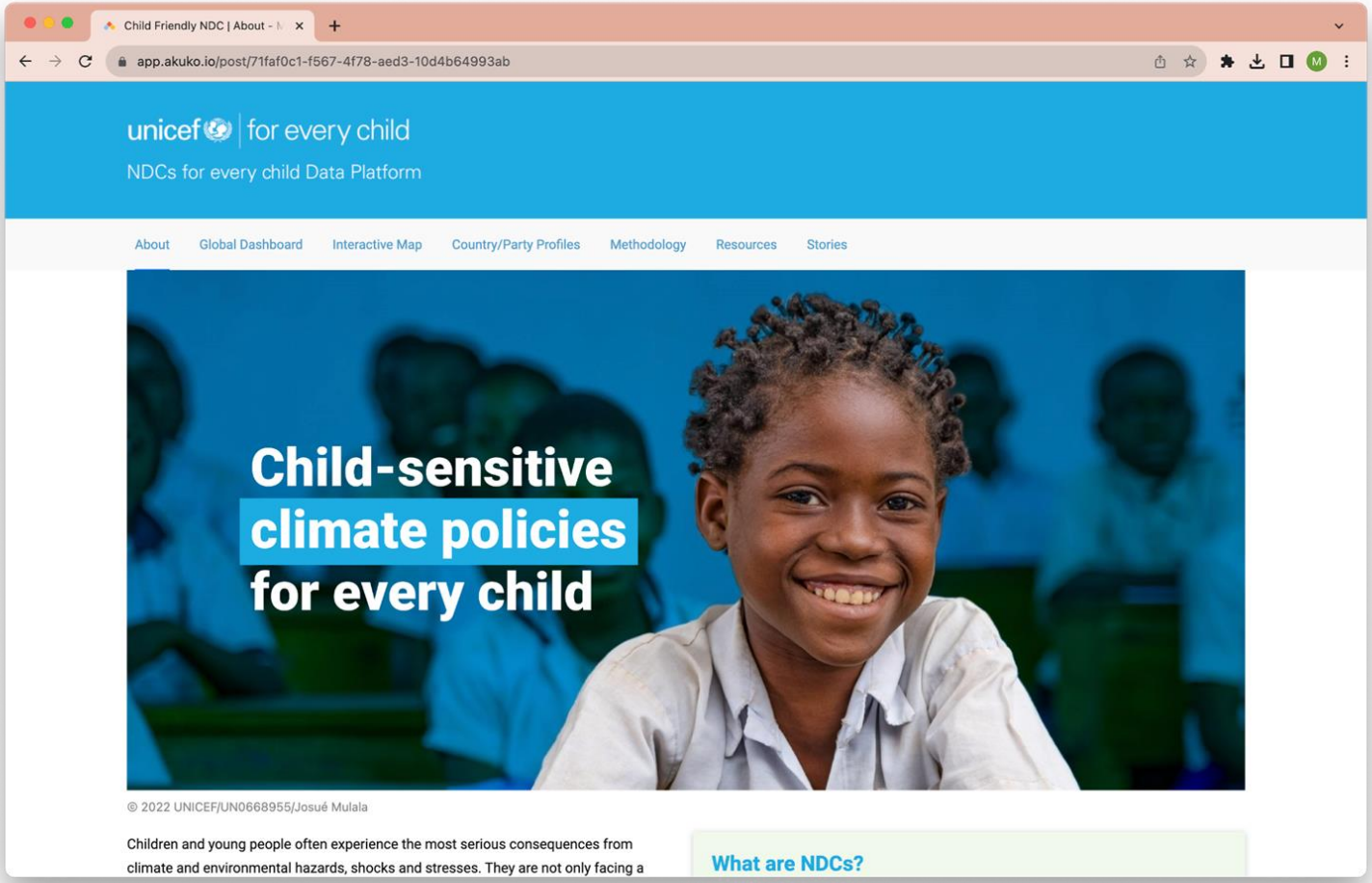
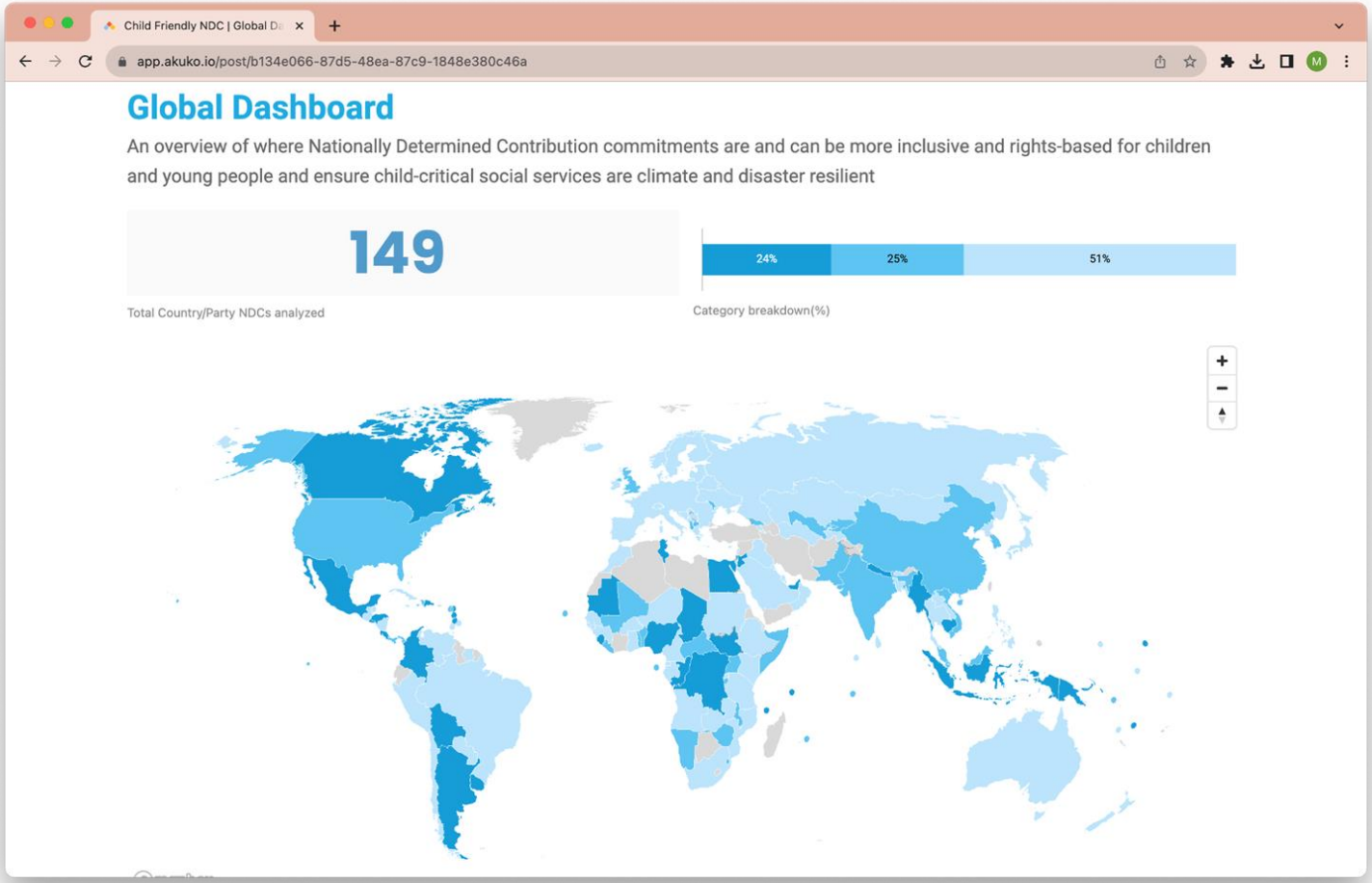
Map Kibera Waterpoint
New Tab
app.akuko.io/post/9c2f6be3-a639-47c4-83d4-ada26f311272/edit
Preview
Save
Operational
Non-Operational
TYPE
Select...
Name: Kwa shule
Type: piped_tap
Status: non_operational
Hours: Mo-Su 06:00-22:00
Close
NHC Langi'ata Court Phase 3
NHC Langi'ata Court
National Housing Corporation
Kifaru Court
UCB10
vegetable garden
shofco
Mullo Safi Hotel
Mosmos Bar
REMS
P.A.G.C Amani
Kibera South Health Center
St Mary's Clinic
Jadunga Chemist
Prestige Medical Services
beyond zero hospital
MSF Belgium Clinic
Vipawa Health Services
slum medical clinic
Senator Darajani Bar
K'A.G Church
Karanja Road
Nyota Studio
Home Park Bar
Mashimoni pub
Kenya railway slum upgrading program
ADC Church
Natural Health Centre
Mission Clinic
mapbox
© Mapbox © OpenStreetMap Improve this map © Maxar

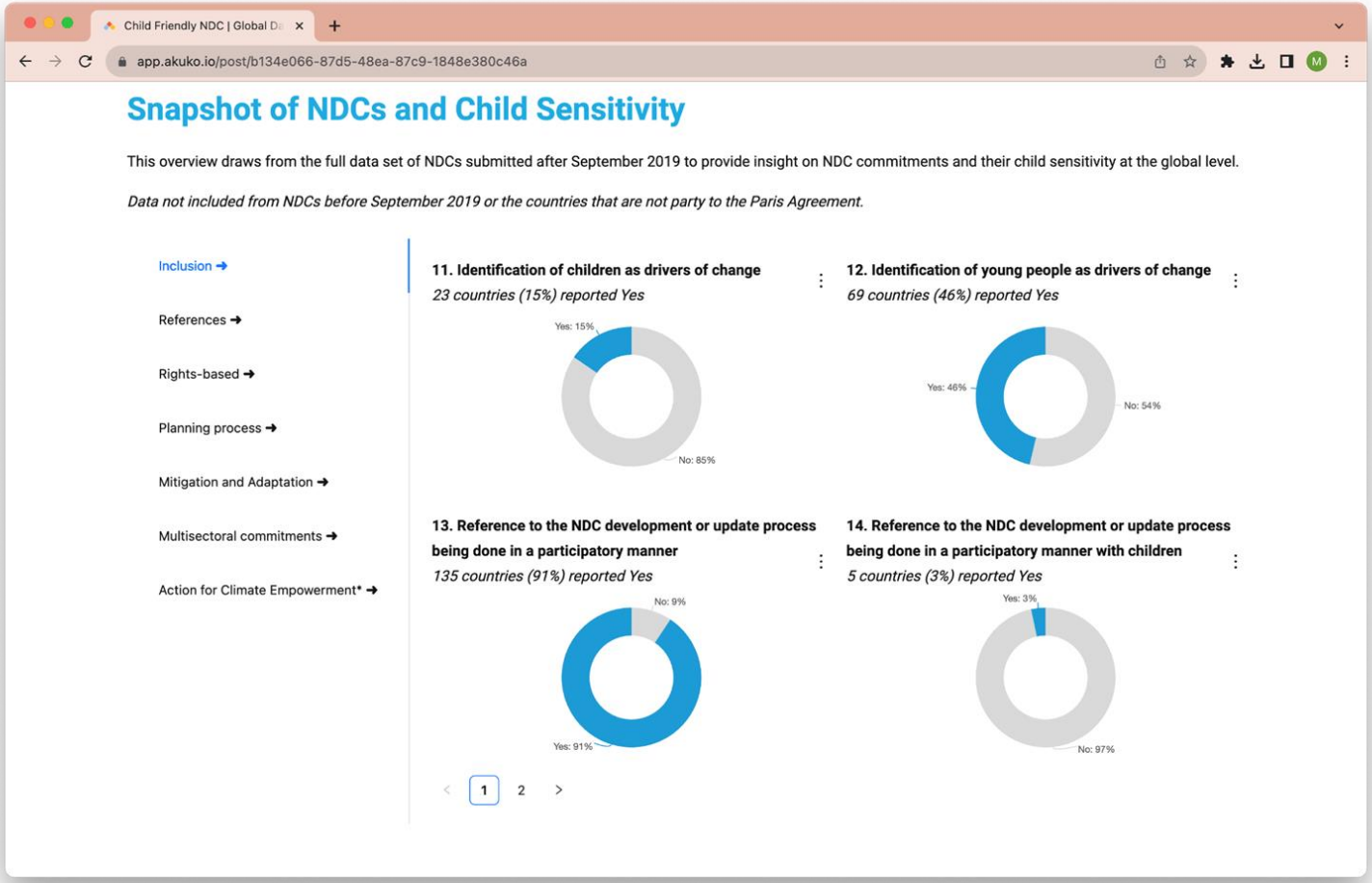
Public


Child Friendly NDC | About -
app.akuko.io/post/71faf0c1-f567-4f78-aed3-10d4b64993ab
unicef | for every child
NDCs for every child Data Platform
About
Global Dashboard
Interactive Map
Country/Party Profiles
Methodology
Resources
Stories
Child-sensitive
climate policies
for every child
© 2022 UNICEF/UN0668955/Josué Mulala
Children and young people often experience the most serious consequences from climate and environmental hazards, shocks and stresses. They are not only facing a
What are NDCs?

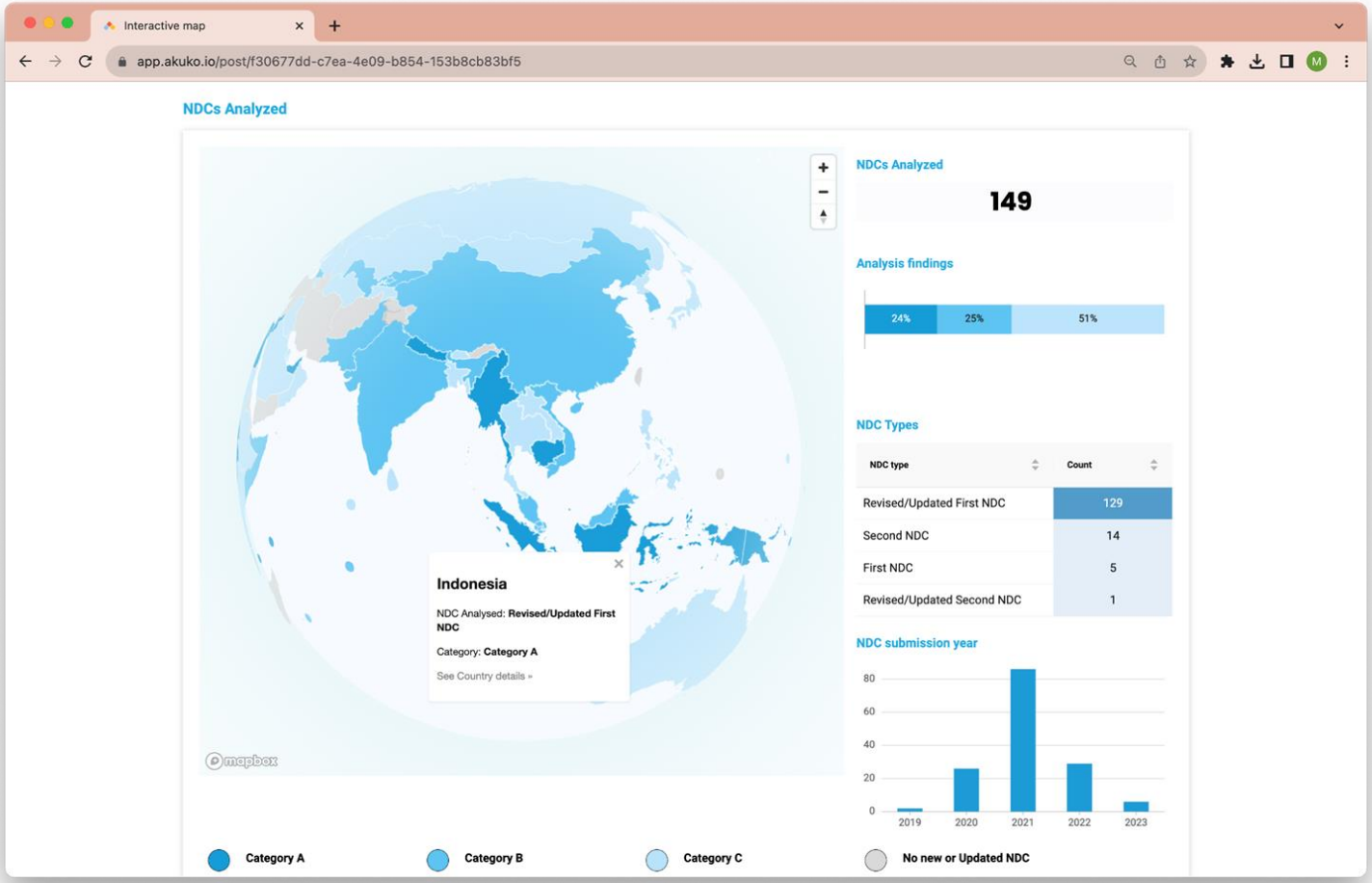
Public


Child Friendly NDC | Global Da
app.akuko.io/post/b134e066-87d5-48ea-87c9-1848e380c46a
Global Dashboard
An overview of where Nationally Determined Contribution commitments are and can be more inclusive and rights-based for children and young people and ensure child-critical social services are climate and disaster resilient
149
Total Country/Party NDCs analyzed
24%
25%
51%
Category breakdown(%)

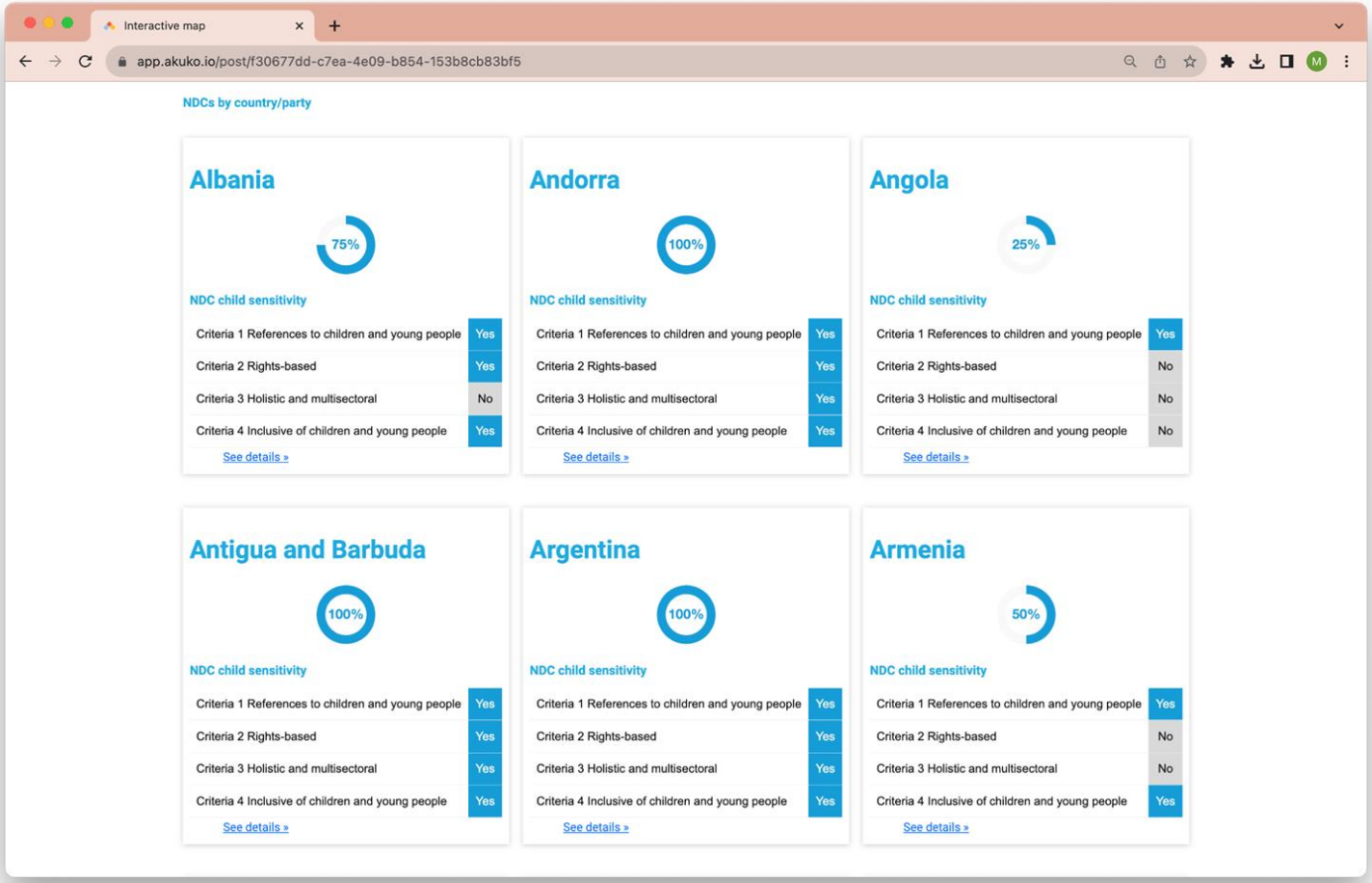
Public


Child Friendly NDC | Global D
app.akuko.io/post/b134e066-87d5-48ea-87c9-1848e380c46a
Snapshot of NDCs and Child Sensitivity
This overview draws from the full data set of NDCs submitted after September 2019 to provide insight on NDC commitments and their child sensitivity at the global level.
Data not included from NDCs before September 2019 or the countries that are not party to the Paris Agreement.
Inclusion ➜
References ➜
Rights-based ➜
Planning process ➜
Mitigation and Adaptation ➜
Multisectoral commitments ➜
Action for Climate Empowerment* ➜
11. Identification of children as drivers of change
23 countries (15%) reported Yes
Yes: 15%
No: 85%
12. Identification of young people as drivers of change
69 countries (46%) reported Yes
Yes: 46%
No: 54%
13. Reference to the NDC development or update process being done in a participatory manner
135 countries (91%) reported Yes
No: 9%
Yes: 91%
14. Reference to the NDC development or update process being done in a participatory manner with children
5 countries (3%) reported Yes
Yes: 3%
No: 97%
1
2

Public


Interactive map
app.akuko.io/post/f30677dd-c7ea-4e09-b854-153b8cb83bf5
NDCs Analyzed
Indonesia
NDC Analysed: Revised/Updated First NDC
Category: Category A
See Country details »
mapbox
NDCs Analyzed
149
Analysis findings
24%
25%
51%
NDC Types
NDC type
Count
Revised/Updated First NDC
129
Second NDC
14
First NDC
5
Revised/Updated Second NDC
1
NDC submission year
80
60
40
20
0
2019
2020
2021
2022
2023
Category A
Category B
Category C
No new or Updated NDC

Public


Interactive map
app.akuko.io/post/f30677dd-c7ea-4e09-b854-153b8cb83bf5
NDCs by country/party
Albania
75%
NDC child sensitivity
Criteria 1 References to children and young people Yes
Criteria 2 Rights-based Yes
Criteria 3 Holistic and multisectoral No
Criteria 4 Inclusive of children and young people Yes
See details »
Andorra
100%
NDC child sensitivity
Criteria 1 References to children and young people Yes
Criteria 2 Rights-based Yes
Criteria 3 Holistic and multisectoral Yes
Criteria 4 Inclusive of children and young people Yes
See details »
Angola
25%
NDC child sensitivity
Criteria 1 References to children and young people Yes
Criteria 2 Rights-based No
Criteria 3 Holistic and multisectoral No
Criteria 4 Inclusive of children and young people No
See details »
Antigua and Barbuda
100%
NDC child sensitivity
Criteria 1 References to children and young people Yes
Criteria 2 Rights-based Yes
Criteria 3 Holistic and multisectoral Yes
Criteria 4 Inclusive of children and young people Yes
See details »
Argentina
100%
NDC child sensitivity
Criteria 1 References to children and young people Yes
Criteria 2 Rights-based Yes
Criteria 3 Holistic and multisectoral Yes
Criteria 4 Inclusive of children and young people Yes
See details »
Armenia
50%
NDC child sensitivity
Criteria 1 References to children and young people Yes
Criteria 2 Rights-based No
Criteria 3 Holistic and multisectoral No
Criteria 4 Inclusive of children and young people Yes
See details »

Public

Country/party profile

app.akuko.io/post/c3889d0f-f1a2-44ca-96eb-f79ed0f72167#country=Indonesia

Country/party profile

Demographic and NDC assessment information for each country

Country demographic information and findings on child sensitivity within NDCs. Countries that were not part of this study analysis are not listed on this page.

To gain a greater understanding of child vulnerabilities and exposure to hazards, the profiles also include ranking data from UNICEF's Children's Climate Risk Index (CCRI / Atlas). The CCRI provides a comprehensive picture of children's exposure and vulnerability to multiple climate and environmental shocks and stresses.

COUNTRY/PARTY

Indonesia

The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations. The size of the dots designated for small nations does not represent the maritime territory of the country but assigned to better locate the country on the map. International boundaries are represented by solid lines, armistice or international administrative lines are represented by dashed lines, and other lines of separation are represented by dotted lines.

273.75M

Population*

30%

Population Under 18*

CCRI

6.5

Children's Climate Risk Index (CCRI)- Children's exposure and vulnerability to the impacts of climate change

Pillar 1

8.1

Children's Climate Risk Index, pillar 1 - Climate and environmental shock exposure

Pillar 2

4.2

Children's Climate Risk Index, pillar 2 - Child vulnerability

Currently the CCRI does include Small Island Developing States (SIDS) and microstates with a land area less than 20, 000 km2 due to data availability limitations. However, many SIDS and microstates face serious and existential threats due to climate change that are not adequately reflected in the data, and not captured appropriately in a multi-hazard index.

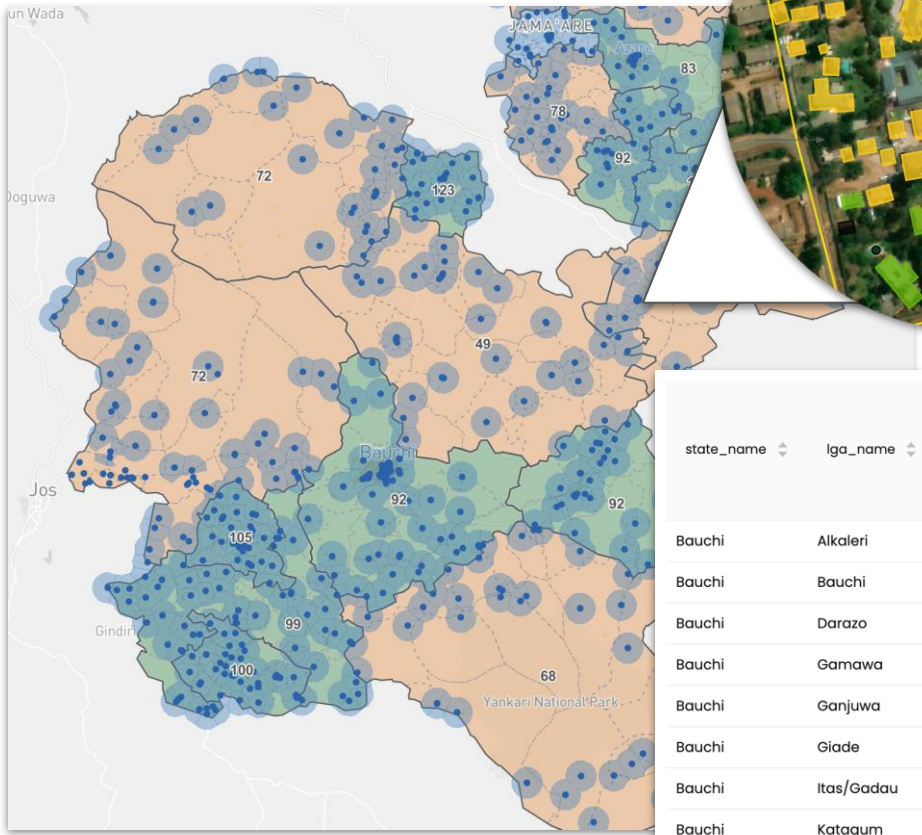
The **CCRI** is composed of many indicators across climate and environmental hazards, shocks and stresses, as well as child vulnerability to indicate children's climate risk as **Extremely High** (7.1-10), **High** (5.5-7), **Medium**

Public

Microplanning for Vaccine Distribution

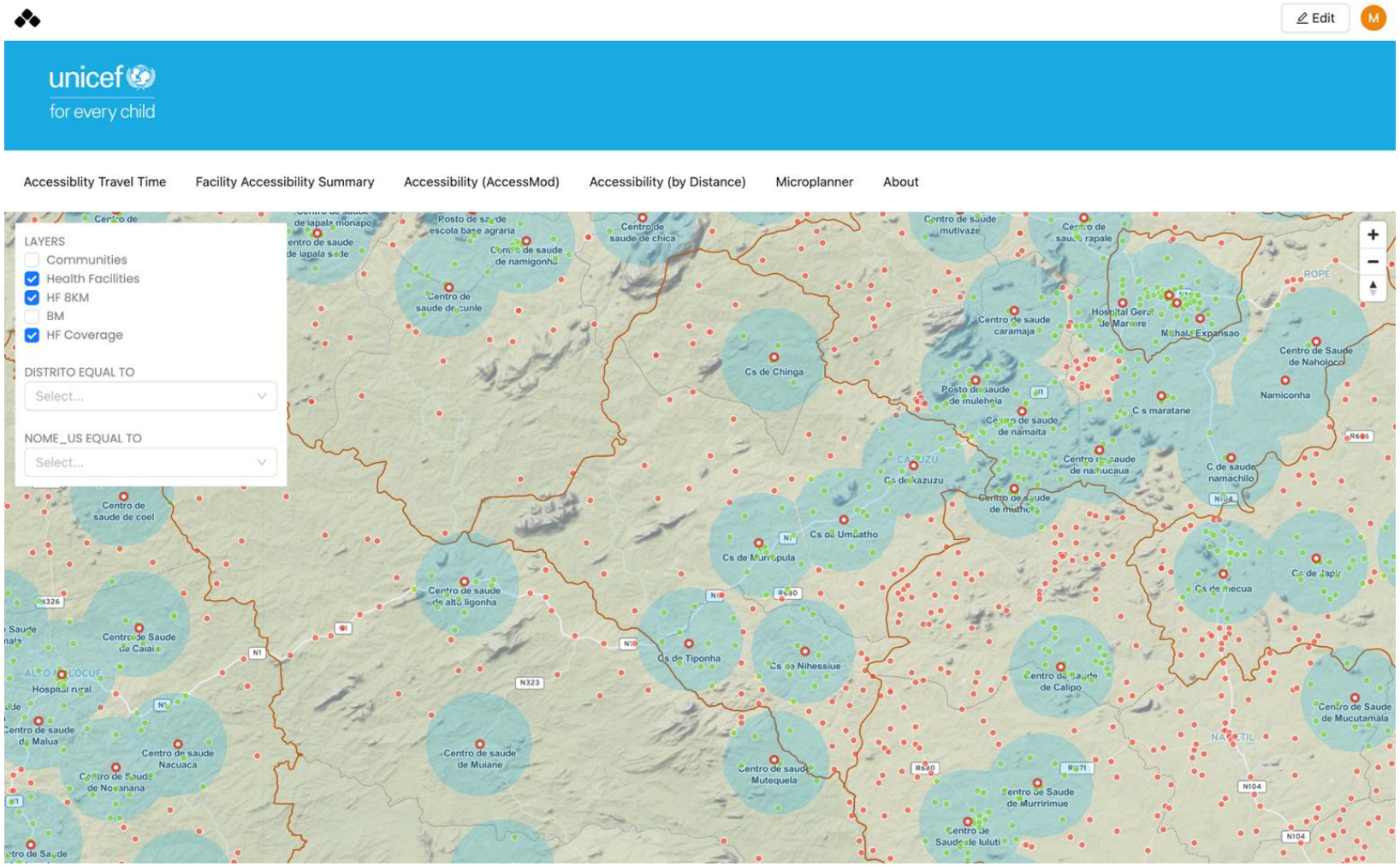
Estimate, map and prioritize distribution of Covid-19 vaccine to target populations. This includes new target group (elderly, health workers, comorbidities, etc) that we know little about.

Ability to link automatically to population data sources like GRID3 and building footprints extracted from high resolution satellite imagery.

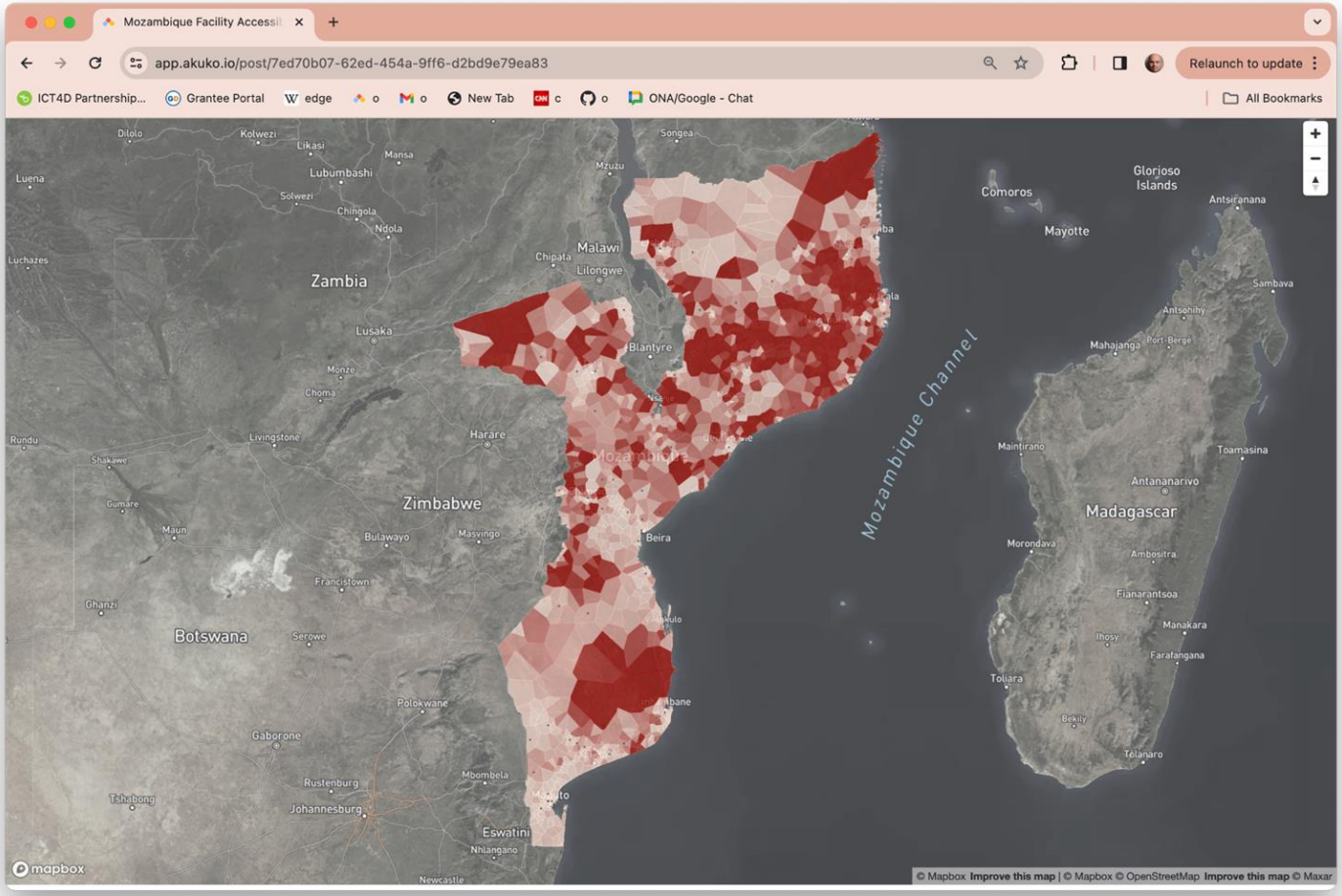


state_name	lga_name	Population GRID3	People Within 5km of Facility GRID3	People Missed GRID3	Coverage Perc
Bauchi	Alkaleri	434,662	296,522	138,140	68%
Bauchi	Bauchi	1,327,680	1,216,776	110,904	92%
Bauchi	Darazo	449,294	333,641	115,653	74%
Bauchi	Gamawa	389,082	237,303	151,779	61%
Bauchi	Ganjuwa	591,486	290,307	301,179	49%
Bauchi	Giade	233,067	213,947	19,120	92%
Bauchi	Itas/Gadau	323,442	240,748	82,694	74%
Bauchi	Katagum	610,828	507,943	102,885	83%

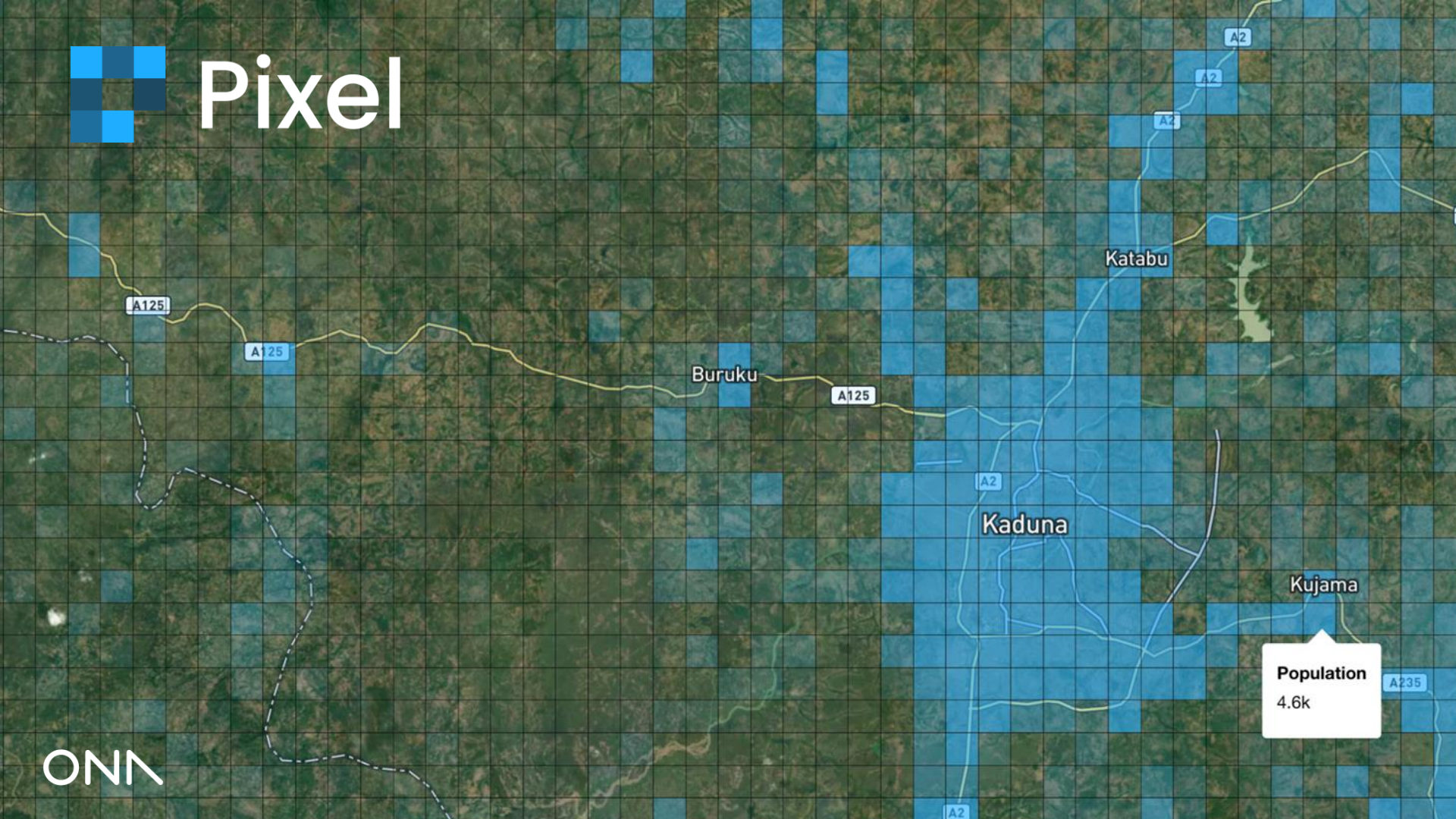
Public


Edit
M
unicef
for every child
Accessiblity Travel Time
Facility Accessibility Summary
Accessibility (AccessMod)
Accessibility (by Distance)
Microplanner
About
LAYERS
Communities
Health Facilities
HF 8KM
BM
HF Coverage
DISTRITO EQUAL TO
Select...
NOME_US EQUAL TO
Select...
Centro de saude de chica
Centro de saude de namigonha
Centro de saude de cunle
Centro de saude mutivaze
Centro de saude rapale
Centro de saude caramaja
Hospital Geral de Marere
Muhala Expansao
Centro de Saude de Naholoco
Namiconha
Cs de Chinga
Posto de saude de muleheia
Centro de saude de namaita
C s maratane
Centro de saude de namucaua
C de saude namachilo
Cs de kazuzu
Centro de saude de muthola
Cs de Umbatho
Cs de Murrupula
Centro de saude de coel
Centro de saude de alto ligonha
Cs de Tiponha
Cs de Nihessiue
Centro de Saude de Calipo
Centro de Saude de Mucutamala
Centro de saude de Malua
Centro de saude Nacuaca
Centro de Saude de Novanana
Centro de saude de Muiane
Centro de saude Mutequela
Centro de Saude de Murririmue
Centro de Saude de luluti
Hospital rural
ROPE
N326
N1
N323
N104
R680
R671

Public

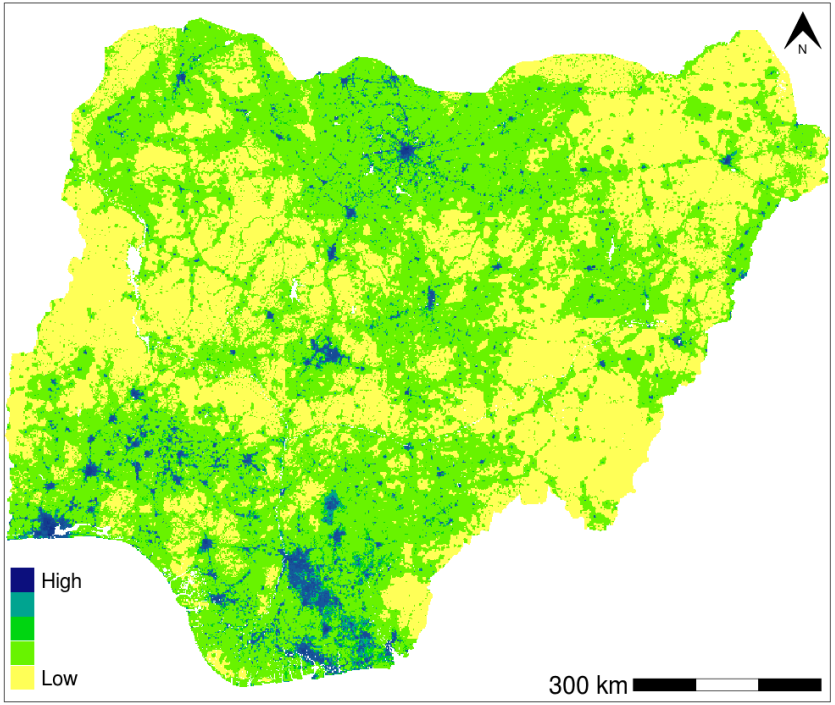

Mozambique Facility Accessi
app.akuko.io/post/7ed70b07-62ed-454a-9ff6-d2bd9e79ea83
Relaunch to update
ICT4D Partnership...
Grantee Portal
edge
New Tab
ONA/Google - Chat
All Bookmarks
Zambia
Malawi
Lilongwe
Lusaka
Blantyre
Harare
Zimbabwe
Beira
Botswana
Gaborone
Johannesburg
Eswatini
Mozambique Channel
Comoros
Mayotte
Glorioso Islands
Madagascar
Antananarivo
Toliara
mapbox
© Mapbox Improve this map | © Mapbox © OpenStreetMap Improve this map © Maxar

Public


Pixel
A2
A2
A2
Katabu
A125
A125
A125
Buruku
A2
Kaduna
Kujama
Population
4.6k
A235
A2
ONA

Nigeria population 2020

Estimated total number of people per grid-cell at a resolution of
(3 arc seconds approximately 100m at the equator)



WorldPop (www.worldpop.org – School of Geography and Environmental Science, University of Southampton; Department of Geography and Geosciences, University of Louisville; Département de Géographie, Université de Namur) and Center for International Earth Science Information Network (CIESIN), Columbia University (2018). Global High Resolution Population Denominators Project – Funded by the Bill and Melinda Gates Foundation (OPP1134076). https://dx.doi.org/10.5258/SOTON/WP00645

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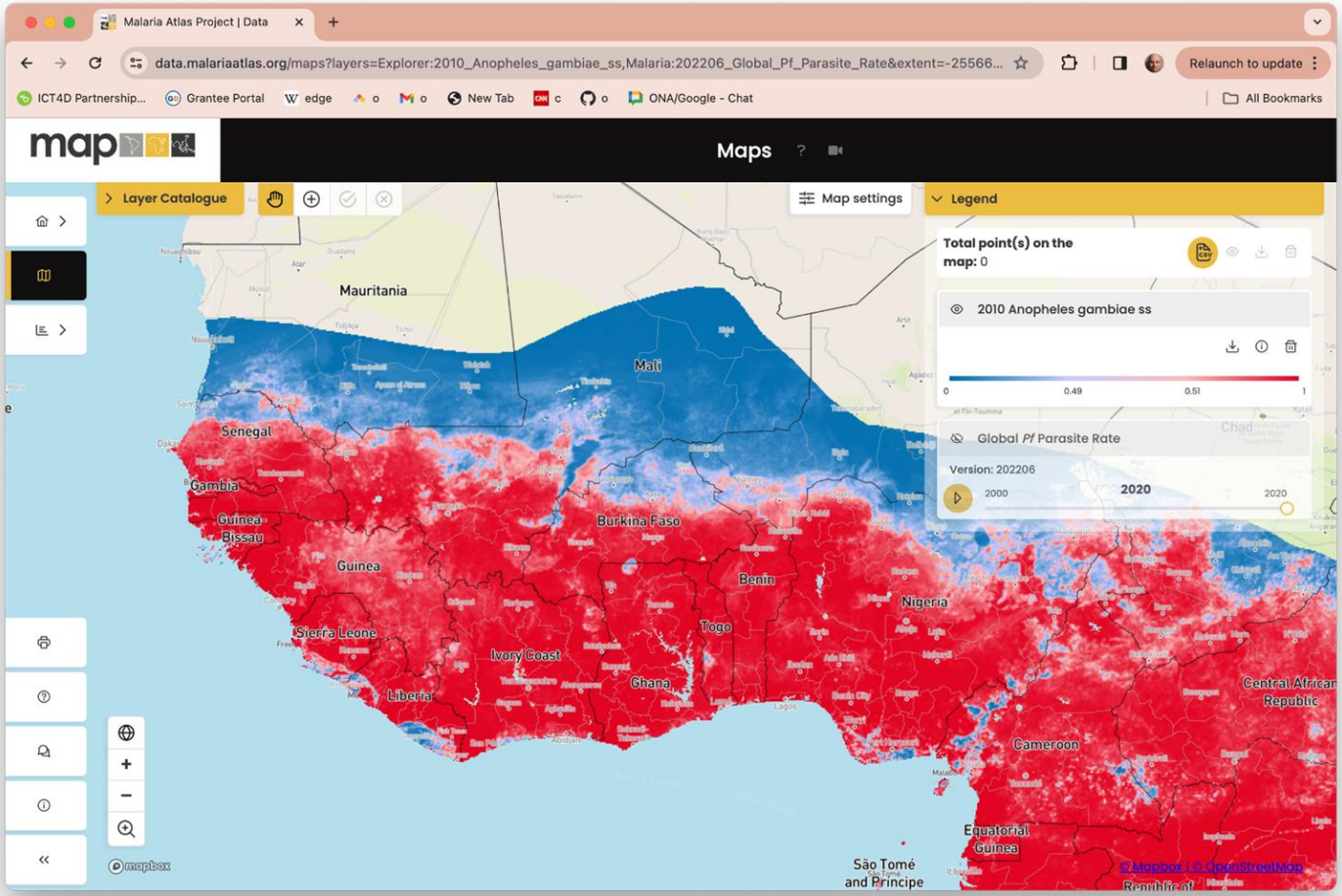
Public


Malaria Atlas Project | Data
data.malariaatlas.org/maps?layers=Explorer:2010_Anopheles_gambiae_ss,Malaria:202206_Global_Pf_Parasite_Rate&extent=-25566...
Relaunch to update
ICT4D Partnership...
Grantee Portal
edge
New Tab
ONA/Google - Chat
All Bookmarks
map
Maps
Layer Catalogue
Map settings
Legend
Total point(s) on the map: 0
2010 Anopheles gambiae ss
0
0.49
0.51
1
Global Pf Parasite Rate
Version: 202206
2000
2020
2020
Mauritania
Mali
Senegal
Gambia
Guinea-Bissau
Guinea
Burkina Faso
Benin
Nigeria
Togo
Sierra Leone
Ivory Coast
Ghana
Liberia
Cameroon
Central African Republic
Equatorial Guinea
São Tomé and Príncipe
mapbox
© Mapbox © OpenStreetMap

Public

East Africa | FEWS NET

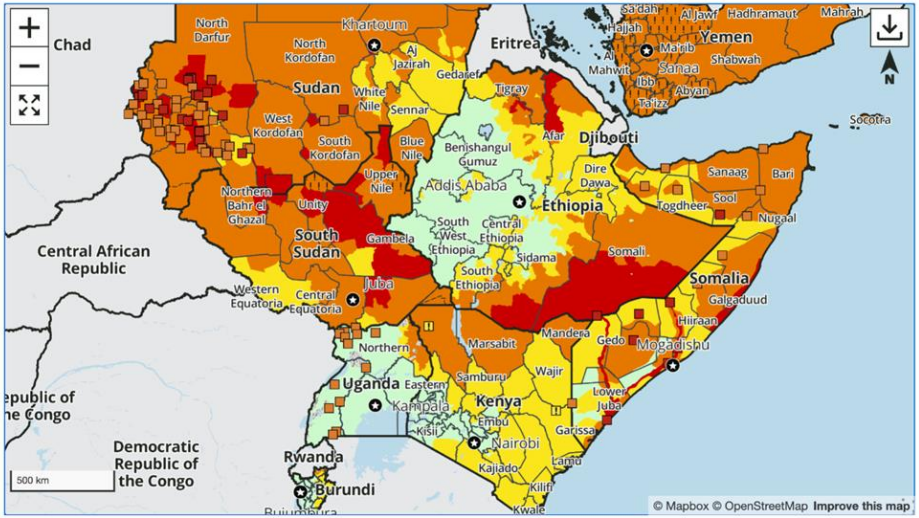
fews.net/east-africa

Relaunch to update

ICT4D Partnership... Grantee Portal edge o o New Tab c o ONA/Google - Chat All Bookmarks

East Africa Acute Food Insecurity

November 2023 - January 2024 projected outcomes



IPC 3.1 ACUTE FOOD INSECURITY CLASSIFICATION
Reported in November 2023
Click on a geographic unit to view its Integrated Phase Classification history

Presence Countries

- 1: Minimal
- 2: Stressed
- 3: Crisis
- 4: Emergency
- 5: Famine
- National Parks/Reserves

Symbols

- Settlement of displaced populations
- ! Would likely be at least one phase worse without current or planned humanitarian food assistance

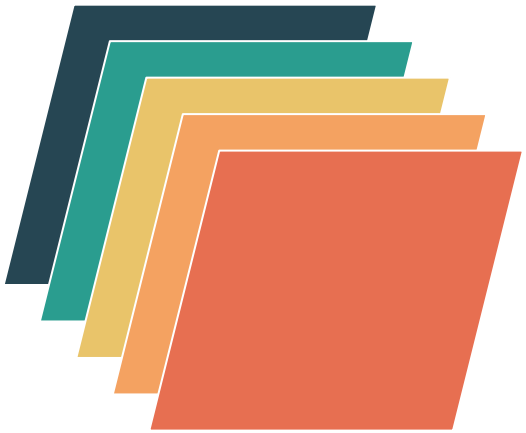
Near Term | Medium Term

2023 | Jun 2023 | Oct 2023 | **Nov 2023 - Jan 2024** | Feb - May 2024

FEWS NET classification is IPC-compatible. IPC-compatible analysis follows key IPC protocols but does not necessarily reflect the consensus of national food security partners. As of IPC 3.0, the IPC no longer assesses the impact of food assistance on classification and thus no longer maps the (!). However, FEWS NET continues to produce food security maps inclusive of the (!) as well as maps compatible with IPC 3.0/3.1, which include the mapping of food assistance bags

Public

Anatomy of a Pixel



Spatial Data Layers

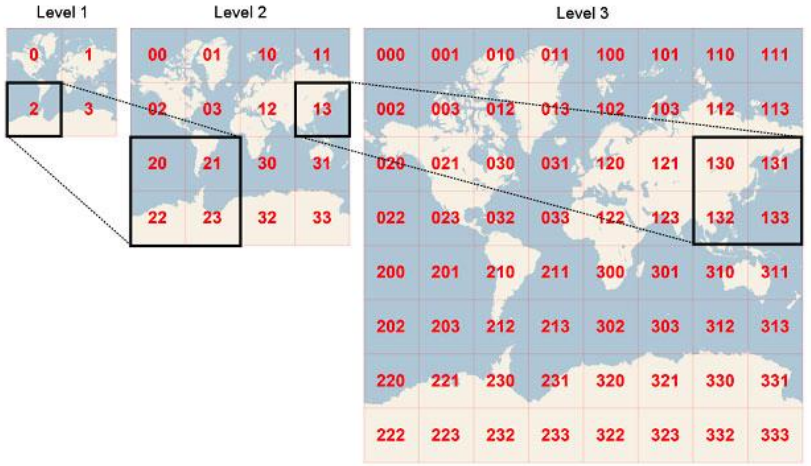
- Admin area. Eg. Kanu / Kiru
- Population, Building Count
- Driving Time to nearest facility
- Malaria rate, Vector, ITN Usage
- Health facilities, Schools, Settlements
- Crop Usage
- Elevation

Public

Pixel Geoindex

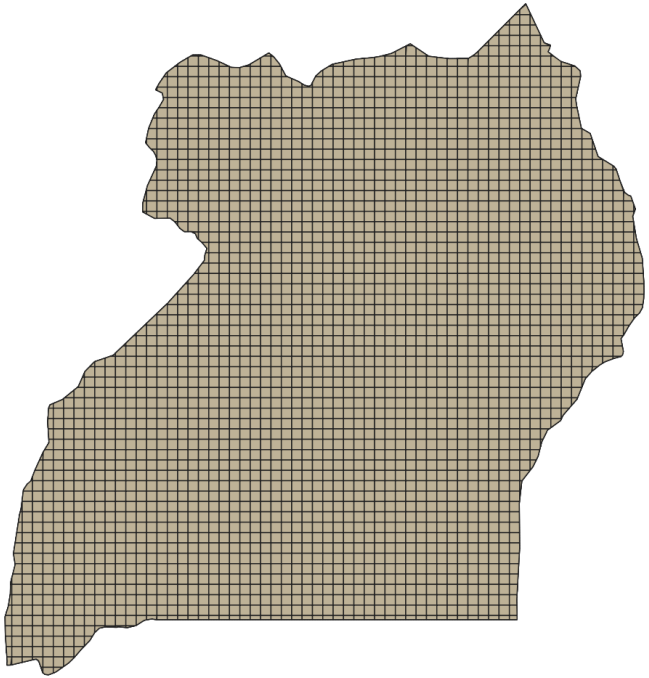
Each pixel is assigned a unique ID based on the quadkey geo-indexing system. The quadkey system splits up the world into a grid of tiles with each subsequent zoom level being split into 4 tiles.

The quadkeys make it easy to convert GPS coordinates back and forth to quadkeys.

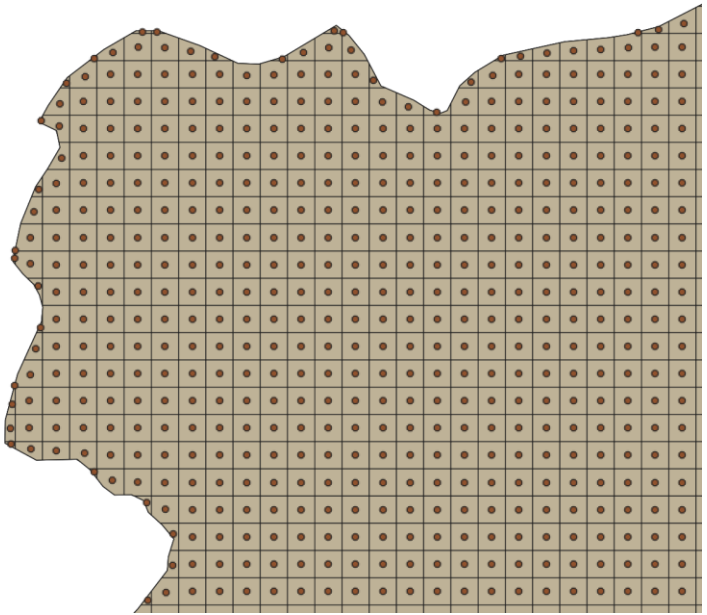


Public

Spatial Data → Pixels



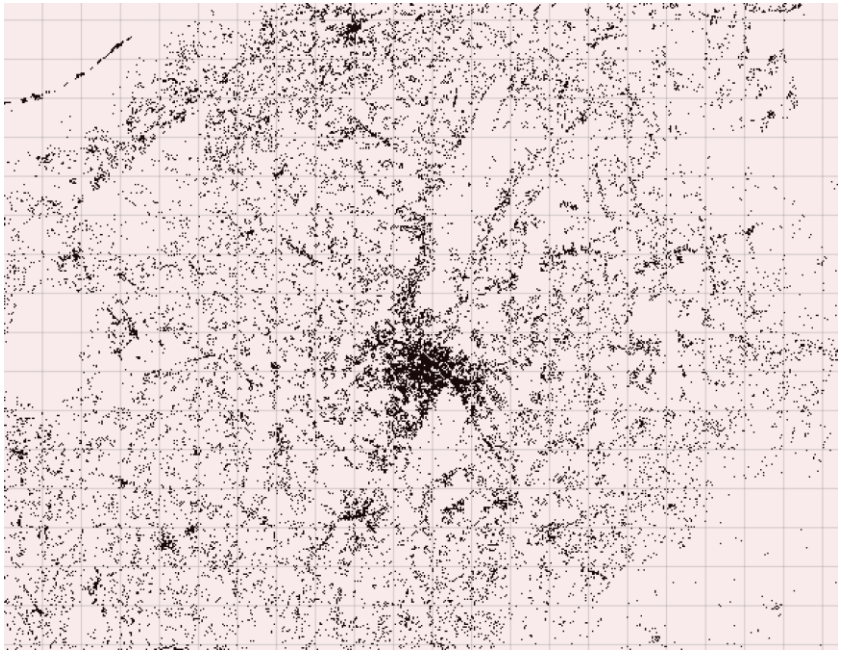
Quadkey grid level 15 (1 km) for Uganda.

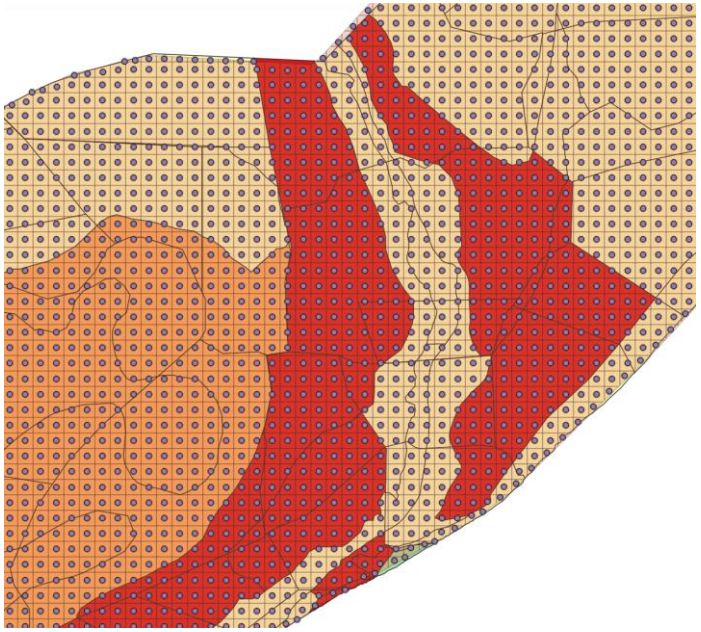


Centroids from each grid cell are calculated and stored as properties.

Public

Spatial Data → Pixels





Raster Data - We use zonal stats to sum or average the raster data for each pixel.

Vector Analysis - We take the centroid of each pixel and extract the value of the vector it intersects.

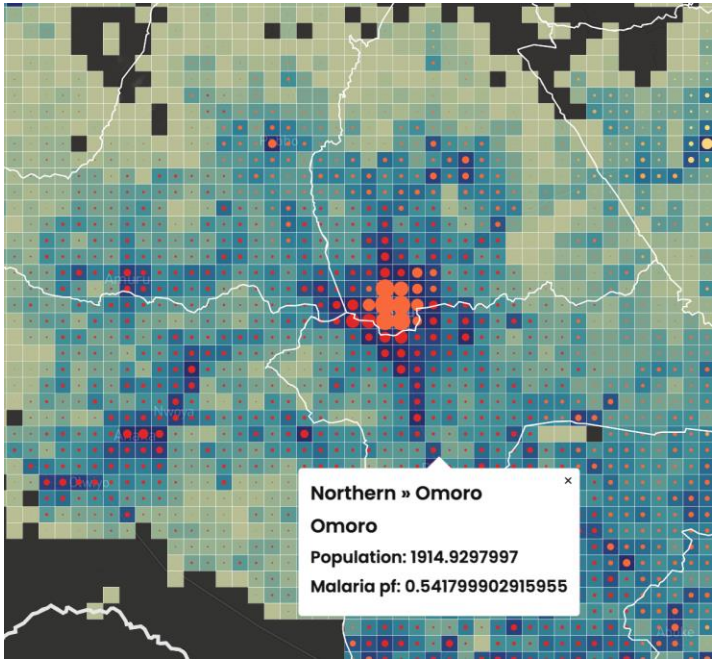
Public

Quadkeys greatly simplify spatial analytics

QK10: 1020123213 - Malaria rate = 10%

QK12: 102012321312 - Population 2400

QK22: 1020123213121032042201 - Household



Public

Data Catalog

Population
- Meta HRSL, Worldpop, GRID3 (Selected countries)

Building Counts
- Google, Microsoft, OSM

Demographics
- Relative Wealth Index (Meta)

Access
- Driving time to access health care (World)
- Walking times to access health care (World)
- Health Access scores (Fraym) - Selected countries

General
- Elevation

Disease
- Global Malaria *PF* Rate
- Insecticide treated net use

Food Security
- Fews.net IPC

Climate
- Temperature Change
- Rain Fall

Agriculture
- Crop Type

Security
- ACLED Events

Public