



IASO

By Bluesquare

# Welcome to AMP 2024

Have a question? Ask us. **Nous parlons aussi français !**



**Céline Bassine,**

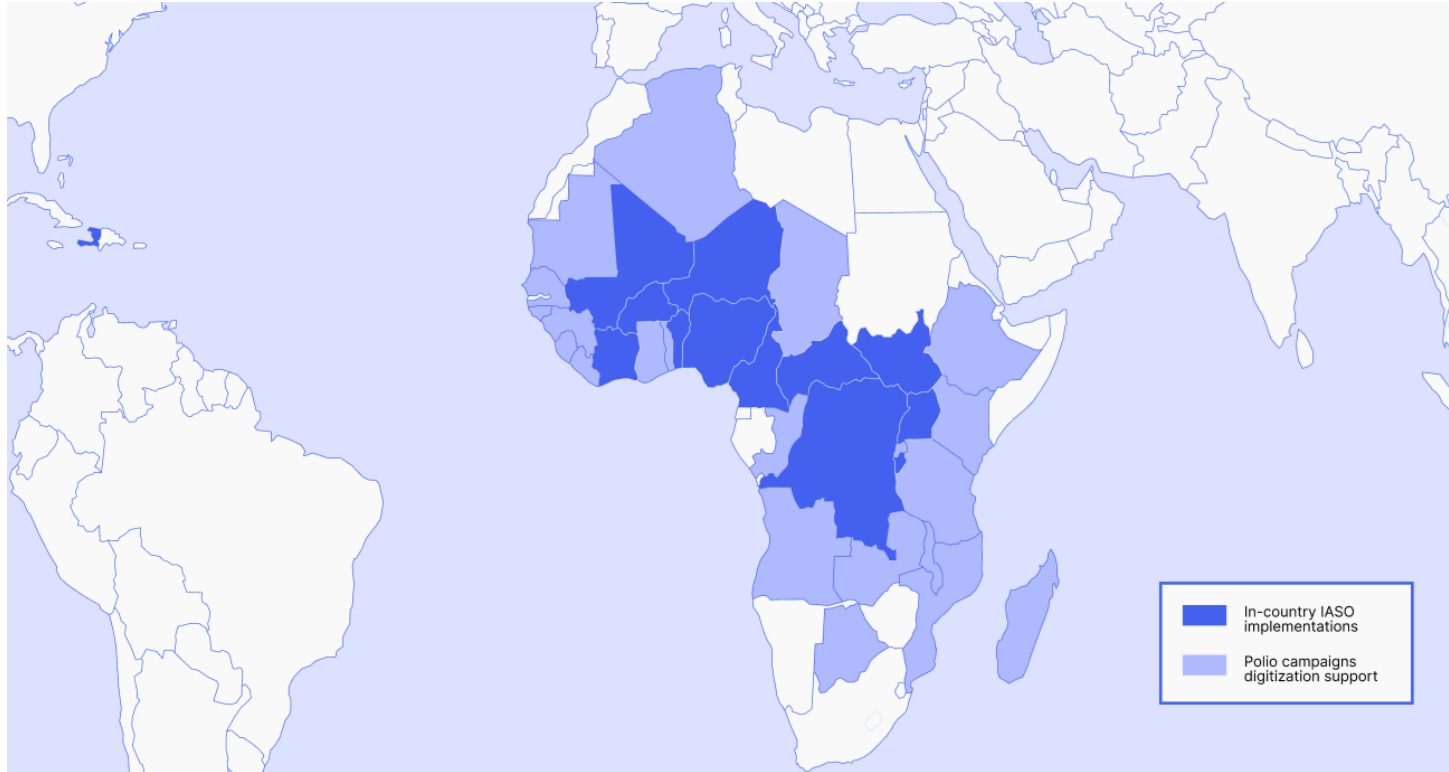
Campaign Digitization  
Expert,  
Senior Implementor



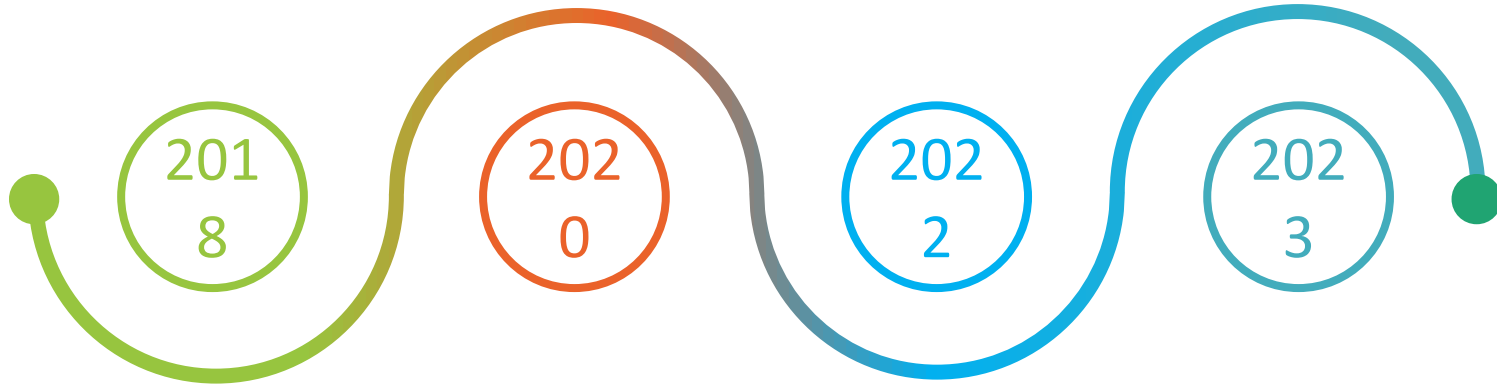
**Élie Khalil,**

Systems Implementation Team  
Lead

# IASO implementations



# IASO product milestones



## DATA COLLECTION

Health pyramid update in DRC  
USAID IHP regions  
Data collection in remote &  
offline areas

## GEO-ADVANCED FEATURES

Health pyramid update in  
Niger  
Schools mapping in DRC

## CAMPAIGNS DIGITIZATION

Microplanning and campaign  
digitization implementation  
in Burkina Faso, Cameroon,  
DRC

## BENEFICIARIES (ENTITIES) & WORKFLOWS

World Food Programme  
enrollment and monitoring  
of beneficiaries

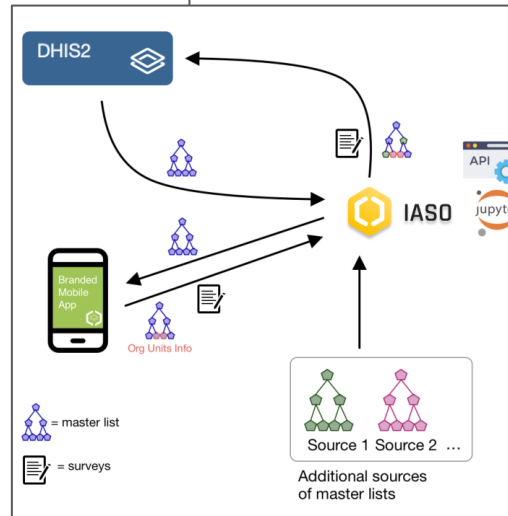
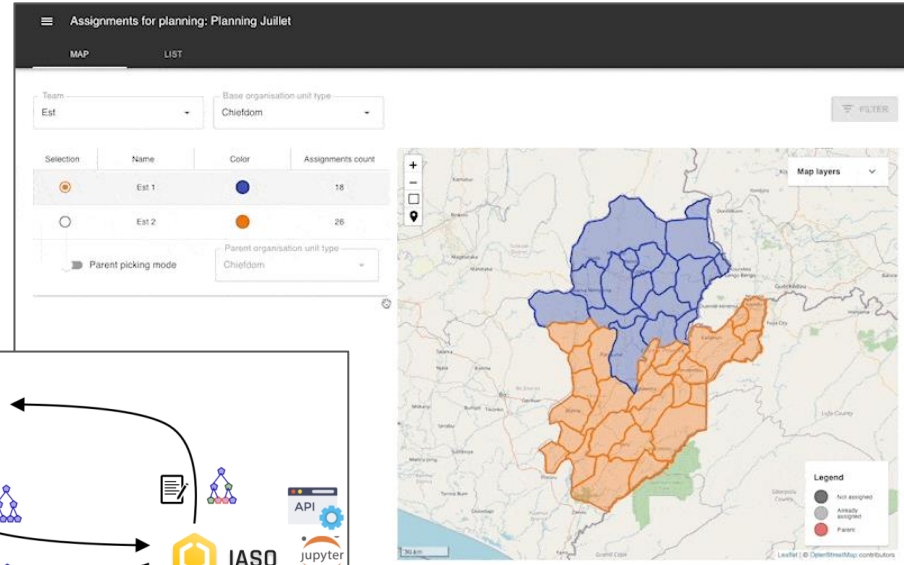
# Large scale data collection made easy

Digital Public Good



Open source data collection tool shaped by +25 real use cases for

- Geo-structured Data Collection
- Offline-Proof Mobile App
- Campaign Digitization and Microplanning
- Data Completeness Monitoring





# USE CASES



# Identification of community health sites - DRC - USAID

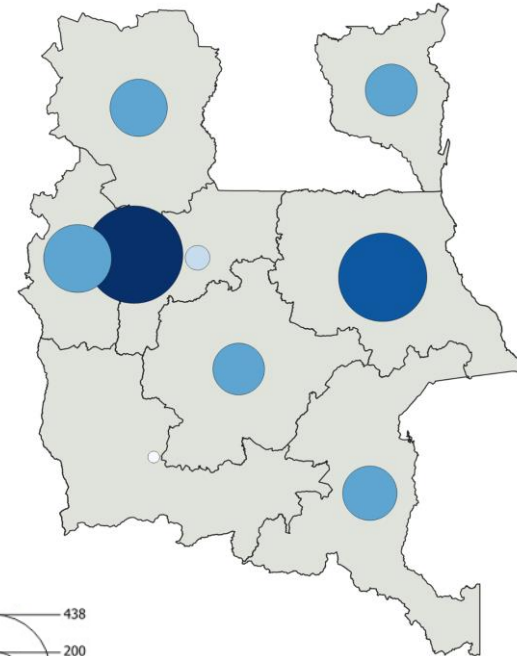


- **Community health sites identification and key data collection**

- GPS coordinates & pictures
- Stocks
- Surveillance data (cases)

- **Results**

- **1.800** community health sites identified
- **IASO as official mobile app**
- Identification of **shortages** in the community health sites



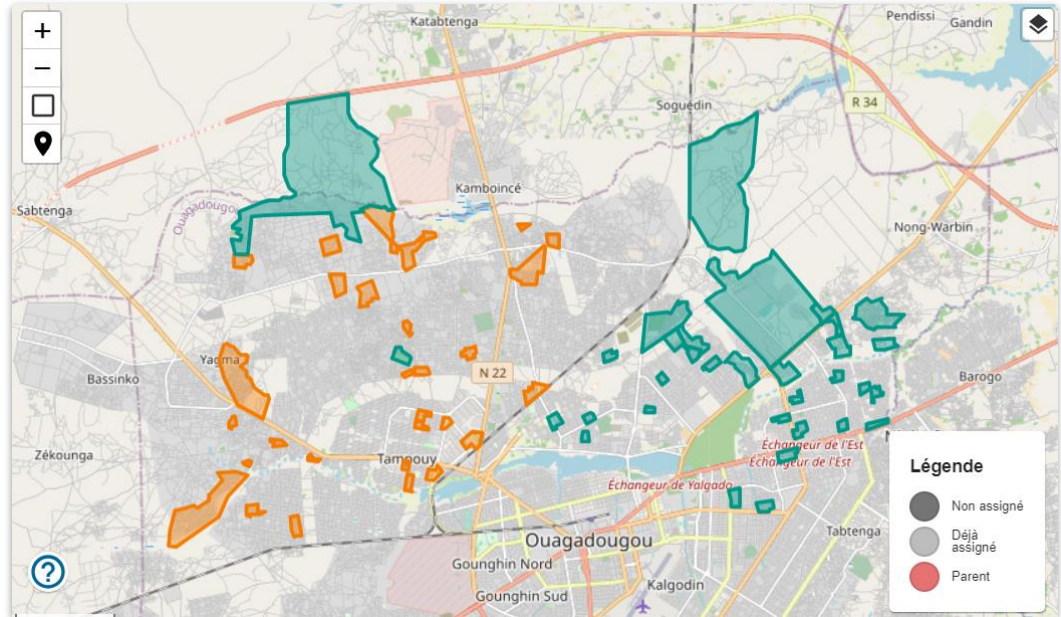
Mapped community health sites  
Dec 2019 - March 2022



# Microplanning for COVID-19 survey - Burkina Faso

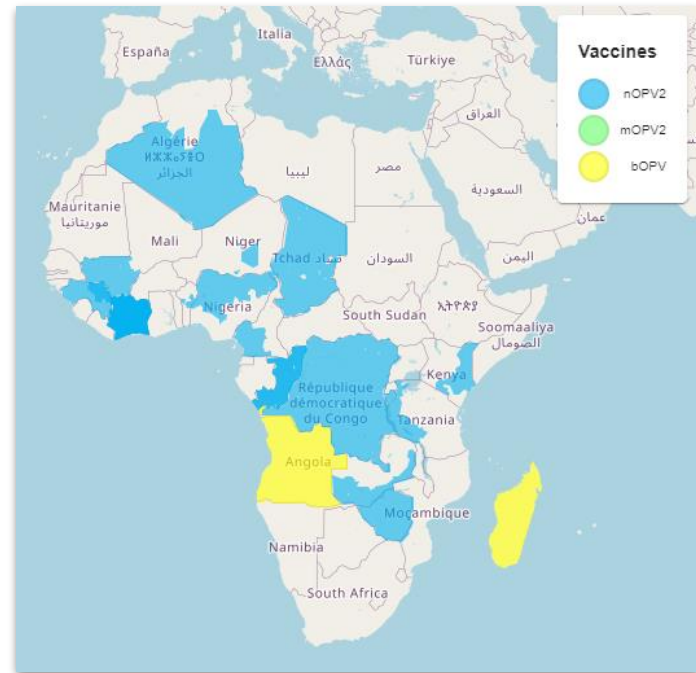


- **COVID-19 survey data collection with IASO**
  - **Pre-assigning data collection zones** to specific users/teams
  - **Target number of households** to survey per zone
  - **Data completeness monitoring** during data collection to identify blockers
- **Results**
  - **+1.800 forms** were submitted





- IASO as central platform for polio vaccination campaign key data: vaccine type, round dates, scope, target population, etc.
- Dashboards built on this data
  - Preparedness monitoring ahead of campaigns
  - Vaccines stocks monitoring during campaigns
  - Campaign evaluation (LQAS)
  - Campaigns key facts
  - Campaigns reason of delays tracking





# Measles vaccination campaign digitization - Cameroon - GAVI



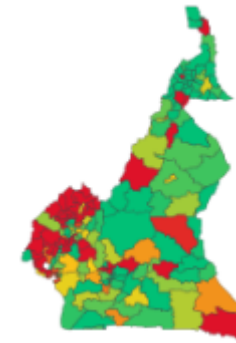
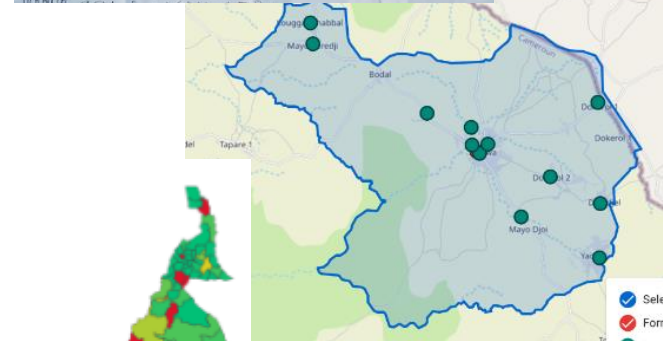
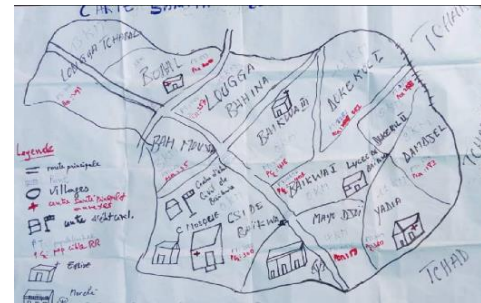
- **IASO for nation-wide vaccination campaign preparation data collection**

- Health pyramid/Master Facility list update
- Microplanning - digitalization of paper-based tools & validation processes
  - From paper to digital maps
  - Planning/budget pre-filled data & update
- Data completeness monitoring before the campaign

- **Result**

- **Real-time monitoring of measles vaccination campaign (4.9 million children vaccinated)**

**9.000 teams & 900 users**





# DEEP DIVE

# Measles vaccination campaign in Cameroon

## 1. Geospatial data: updating the health pyramid in the app

← AS Takwai - Aire de Santé

INFOS CARTE ENFANTS LIENS HISTORIQUE FORMULAIRES

FILTRES EDITION PARAMÈTRES COMMENTA

Unité d'org. courante  
Unité d'org. parent

Unité d'organisation liées:  
Sources

Unité d'organisation enfants:  
Type d'unité d'organisation  
FOSA  
LOC

Soumissions de formulaire:  
Formulaires

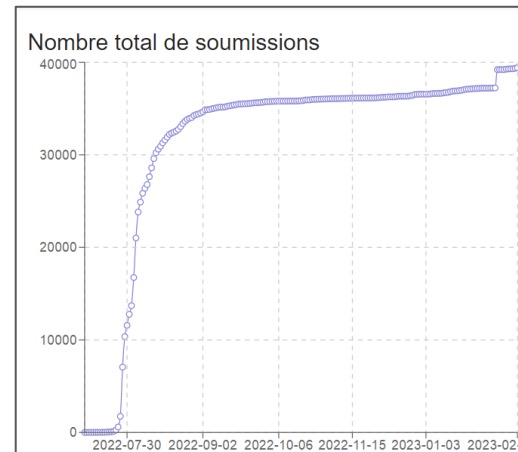
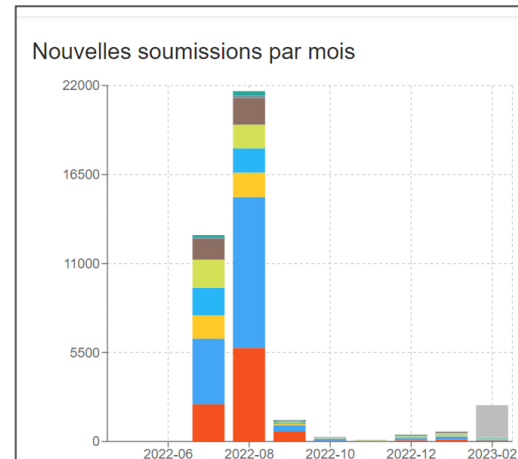
10 km

Leaflet | © OpenStreetMap contributors

# Measles vaccination campaign in Cameroon

## 2. Collection of forms by org unit and check for completeness

Unités d'organisation	Type d'unité d'organisation	Unité d'org. parent	Formulaire	# Formulaires remplis (direct)	Complétude des données (direct)	# Formulaires remplis (avec niv. inf.)	Complétude des données (avec niv. inf.)
AS Atta	Aire de Santé	District Bankim	MICROPLAN - LOCALITE	0/ 0	N/A	14/18	77.8%
AS Atta	Aire de Santé	District Bankim	COLLECTE DES DONNEES DE LA FOSA	0/ 0	N/A	2/2	100.0%



# Measles vaccination campaign in Cameroon

## And data validation

The screenshot displays the 'Registre' application interface. The top navigation bar includes a back arrow, the title 'Registre', and the logo 'colonnevaccin Cameroon'. Below the navigation bar, the breadcrumb trail reads 'Ministère de la Santé Publique > Région Adamaoua > District Bankim'. The main content area is titled 'AS Bankim Rural' and features a map view with 'CARTE' and 'LISTE' tabs. The map shows a geographical area with a blue outline and several green dots representing localities. A legend in the bottom right of the map identifies the symbols: a blue circle for 'Unité d'org. sélectionnée', a red circle for 'Formation Sanitaire', and a green circle for 'Localité'. To the right of the map, a 'Population Aire' table provides demographic data. Below the map, there are tabs for 'FORMATION SANITAIRE' and 'LOCALITÉ', a search field for 'Formulaire\*' with a dropdown menu showing 'Microplan - PERSONNEL', and a 'COLONNES VISIBLES' button. At the bottom, a table displays two results for the year 2022.

Population cible	Count
Population cible (9-59 mois dénombrées lors des AVS polo) facilement accessible (vivant autour des formation sanitaire)	852
Population cible (9-59 mois dénombrées lors des AVS polo) vivant dans les communautés accessibles par des équipes avancées	689
Population cible (9-59 mois dénombrées lors des AVS polo) d'accès géographique difficile (longues distance, îles, montagne, forêt etc)	583
Population cible humanitaires et mobiles (refugiés, IDPs, nomades, ouvriers des mines)	76
Population cible totale (9-59 mois)	2202
Population 2023 estimée (Les deux sexe)	10834
Enfants 0-11 mois	412
Enfants 12-23 mois	376

Période	Unités d'organisation	Action(s)
2022	CSI Ngati (Formation Sanitaire)	0
2022	CSP MAPE-SONEL (Formation Sanitaire)	0

# Measles vaccination campaign in Cameroon

## 3. Digitisation of their micro-planning tools at the health area level

nkongmondo\_microplanifcation\_test - Excel

Fichier Accueil Insertion Mise en page Formules Données Révision Affichage Aide Dites-le-moi

Coller Police Alignement Nombre Mise en forme conditionnelle Mettre sous forme de tableau Styles de cellules Cellules Édition

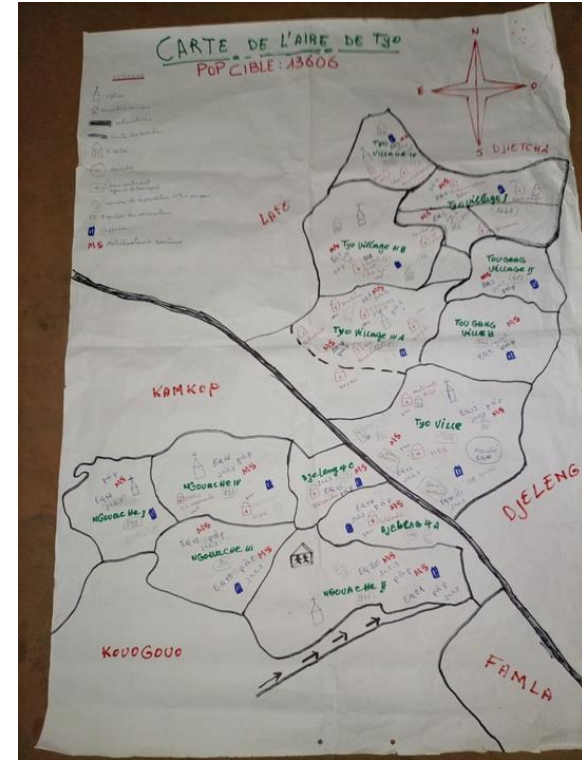
Presses-papiers Styles

B22 REGION

1	REPUBLIQUE DU CAMEROUN	REPUBLIC OF CAMEROON
2	Pays - Travail - Patrie	Place - Work - Fatherland
3	MINISTRE DE LA SANTE	MINISTRY OF PUBLIC HEALTH
4	PUBLIQUE	
5	SECRETARIAT GENERAL	SECRETARIAT GENERAL
6		
7	DIRECTION DE LA SANTE FAMILIALE	DEPARTMENT OF FAMILY HEALTH
8		
9	PROGRAMME ELARGI DE	EXPANDED PROGRAMME ON
10	VACCINATION	IMMUNIZATION
11		
12		
13		
14		
15		
16		
17	Date: 21/09/2019	
18		
19		
20		
21		
22		
23	REGION	Region Littoral NER info du microplan CERC
24	DISTRICT DE SANTE	District New Bell NER info du microplan CERC
25	AIRE DE SANTE	AS Nkong Mondo NER info du microplan CERC
26		
27	Formation sanitaire Leader	Plusieurs FOSA leader dans le fichier NER info du fichiers données FOSA
28	Responsable de l'aire de santé	Ngo Batamack Bernadette NER info du micrc Tet: 639573431 / 639573431
29	Nombre de villages de l'aire	Où trouver cette info dans IASO?
30		
31	Distance de la formation sanitaire leader au service santé de district	Plusieur Km NER info du fichiers données FOSA
32		
33		

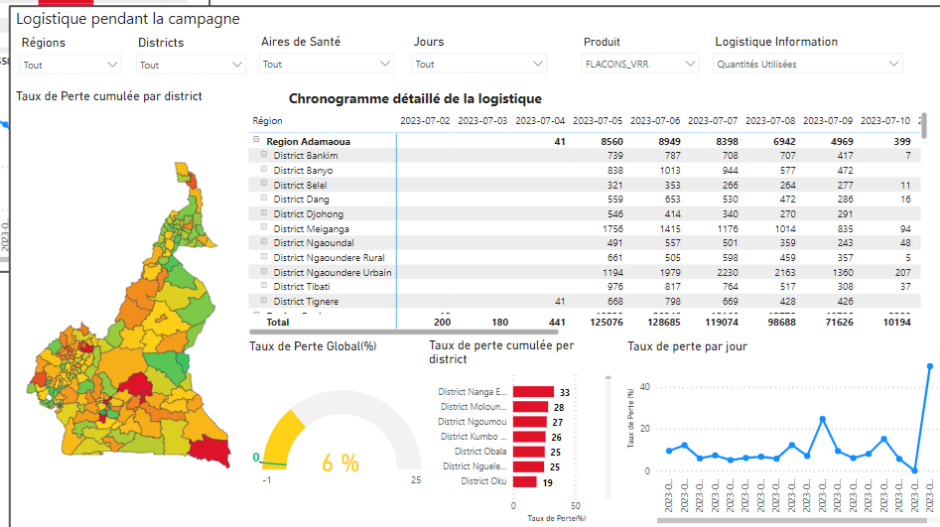
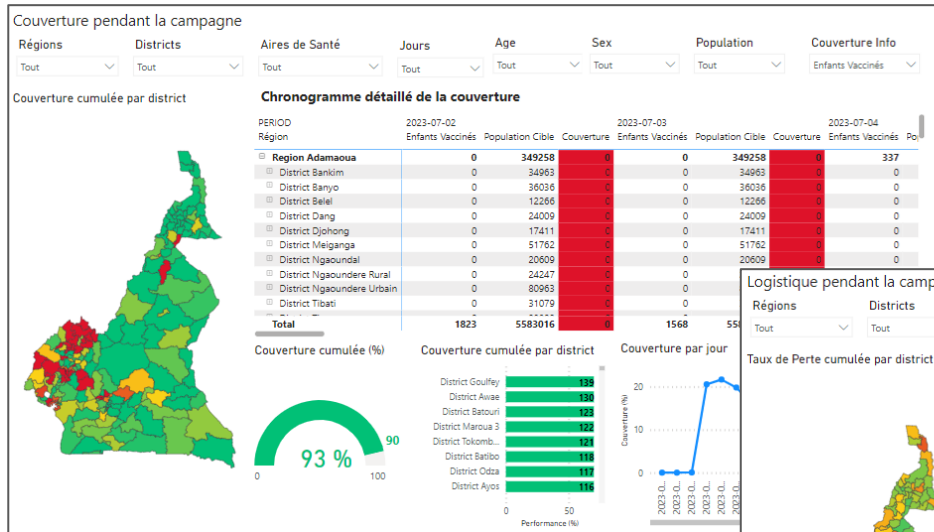
3. Personnel 4. Vaccin et Intrants 5. Chaîne de Froid et Transport

Prêt



# Measles vaccination campaign in Cameroon

## Collecting and monitoring data during the campaign





# Key takeaways

Open source

Web and  
Mobile Apps

Offline  
data  
collection

Versioning (track  
changes)

DHIS2 integration



IASO

Microplanning

Campaign  
digitization

Configurable  
forms  
(XLS/ODK)

Handles multiple  
geo data sources

Digital Public Good

Geo-structured  
data collection

Large-scale data collection

Entities &  
Workflows