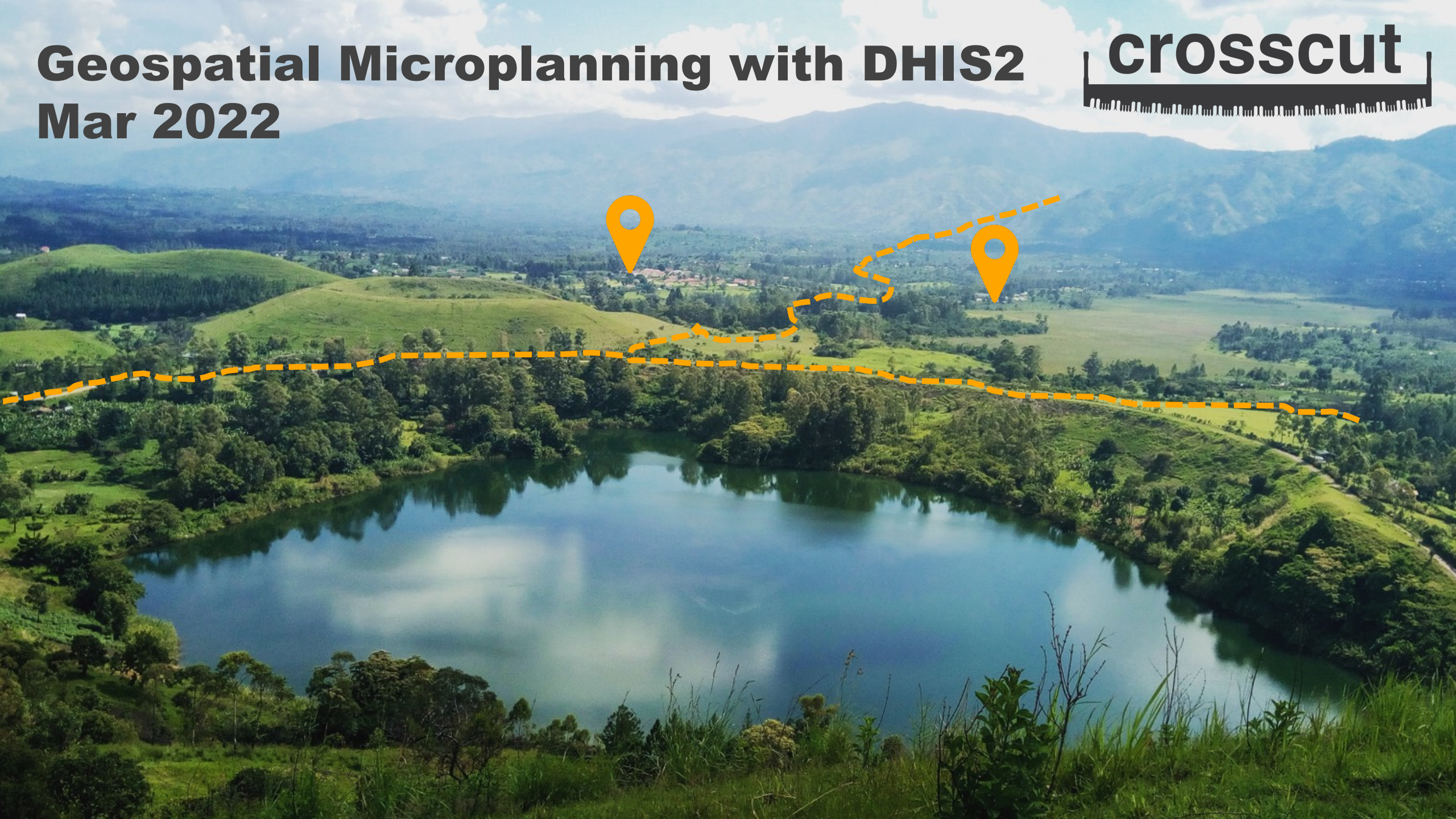


Geospatial Microplanning with DHIS2

Mar 2022

crosscut



What is geospatial microplanning?

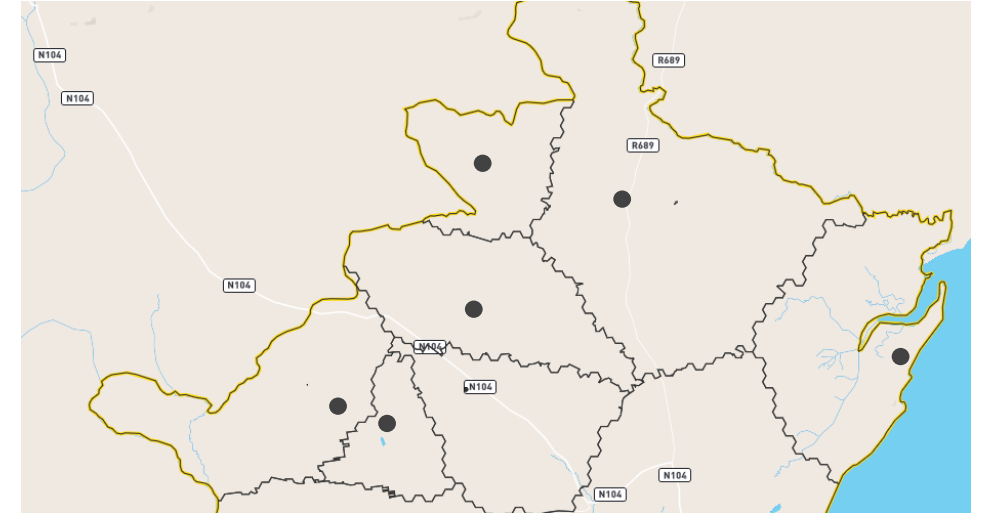


- ❑ Different health programs often mean something a little different when they refer to **microplanning**.
- ❑ Microplanning generally refers to the processes and tools for public health planning **below the district level**
- ❑ **Common elements** of microplanning
 - Estimating target populations
 - Identifying settlements
 - Creating area maps
 - Estimating supplies and resources needed
- ❑ Geospatial microplanning is **using geospatial tools to support microplanning**

Two common types of mapping are performed in microplanning

1. **Site-based catchment areas** – The geographic area served by a particular health site.
2. **Population-based catchment areas** – The geographic area served by a team in a door-to-door campaign.
 - Often sized by number of people or number of buildings

Catchment areas defined by sites



Catchment areas defined by population



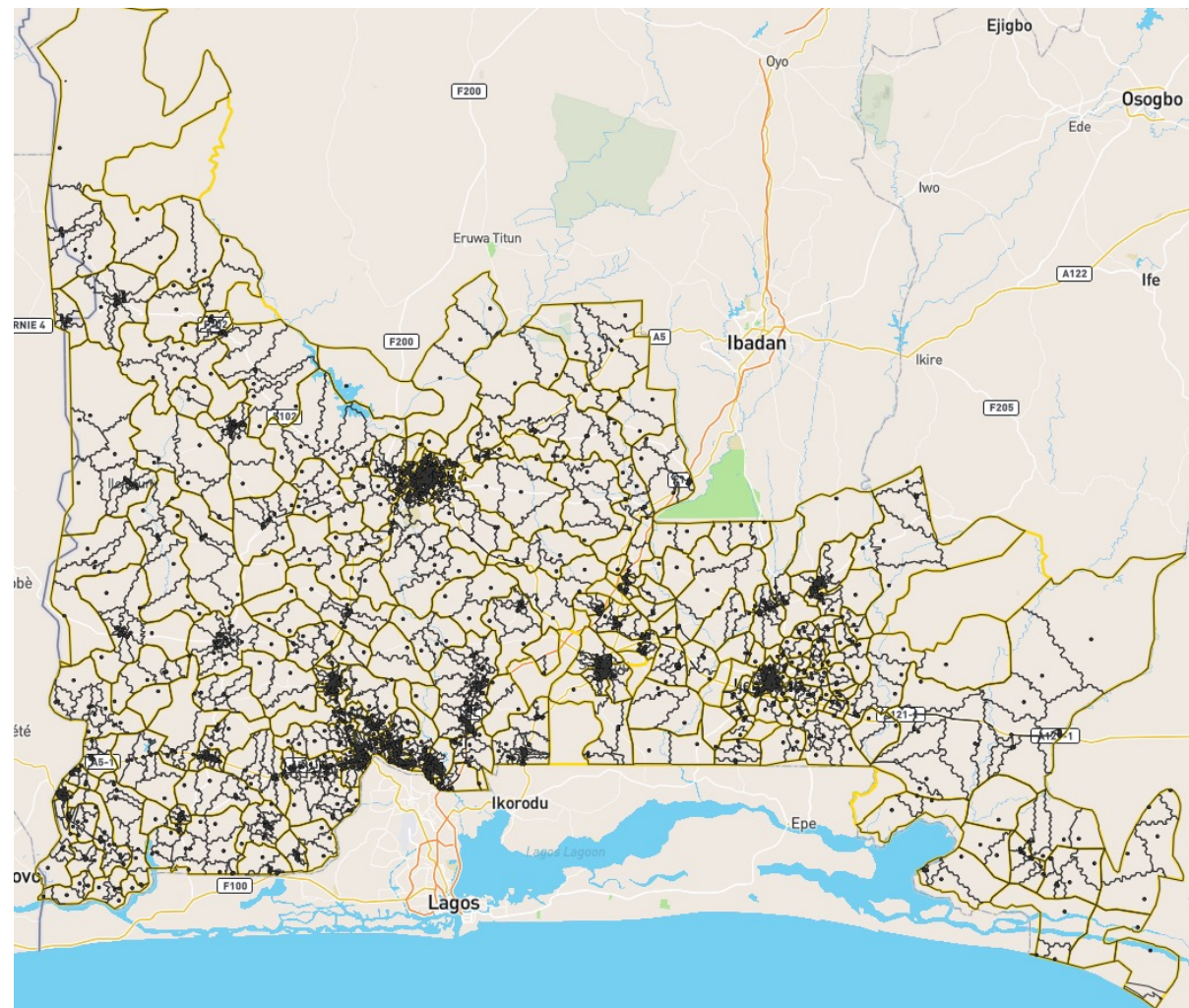
- ☐ estimate target populations below the district level
- ☐ measure coverage of health interventions below the district level
- ☐ forecast supply needs
- ☐ identify settlements with poor access to health sites
- ☐ plan outreach to cover all parts of your catchment area
- ☐ organize and plan health campaigns

DEMO

Creating catchment areas with Crosscut



- **Easy to use** – designed for users with no GIS mapping expertise
- **Clear use case** – Create catchment area maps and estimate target population quickly
- **Fast** – We do hours or sometimes days of initial geospatial pre-processing when onboarding a new country: this is what allows a fast user experience
- **Sustainable** – A user can log on and use for free; every time facilities are updated, a user can easily make updates without the need for a big project and technical assistance
- **Automated** – The Crosscut app generates catchment areas automatically using our algorithms
- **Customizable** – Users can then edit catchment area borders as needed directly in the app.
- **Integrated** – A user can integrate catchment area boundaries for use in DHIS2 and other applications in use in country



Our app is available today at crosscut.io



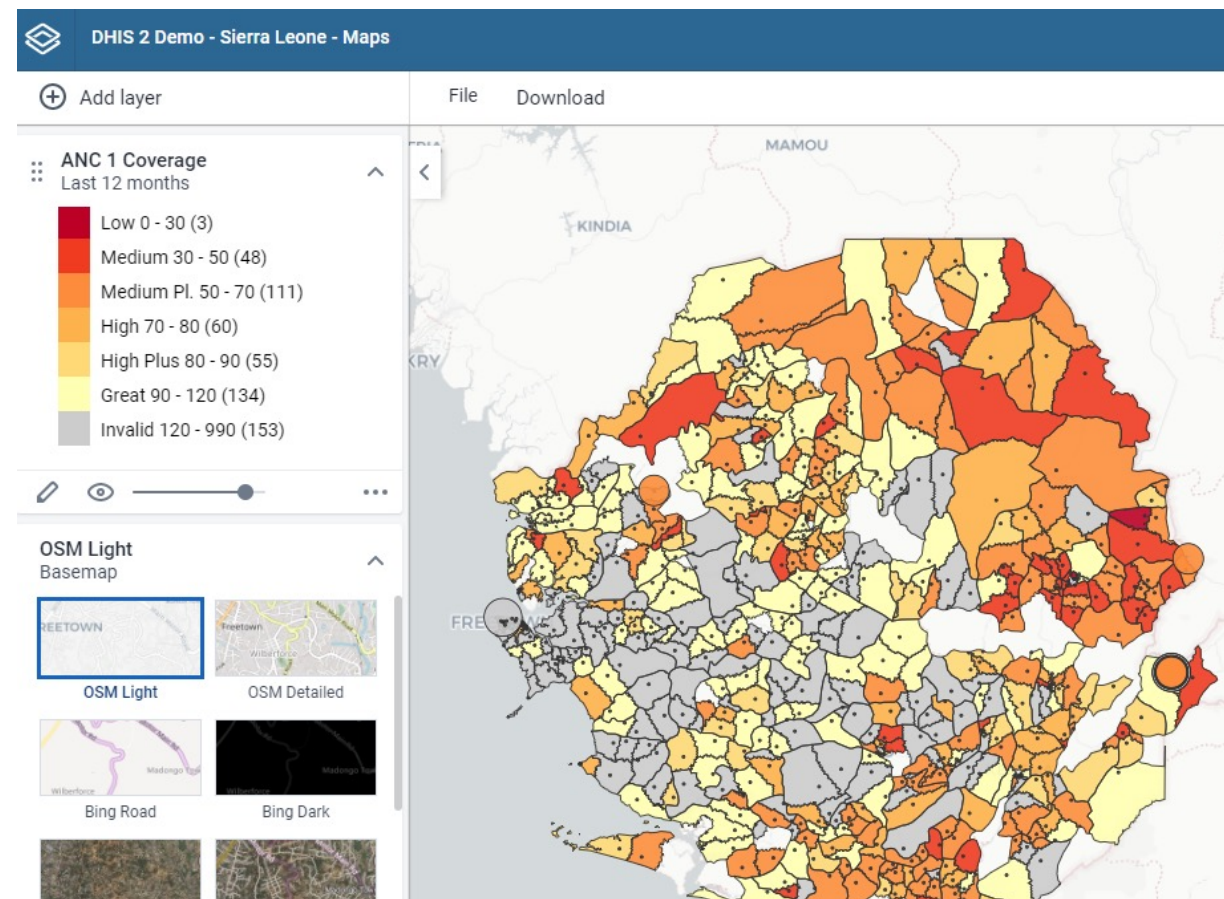
Our DHIS2 app will be available on the DHIS2 app hub in May

Use the Crosscut DHIS2 app to make catchment areas for your sites...

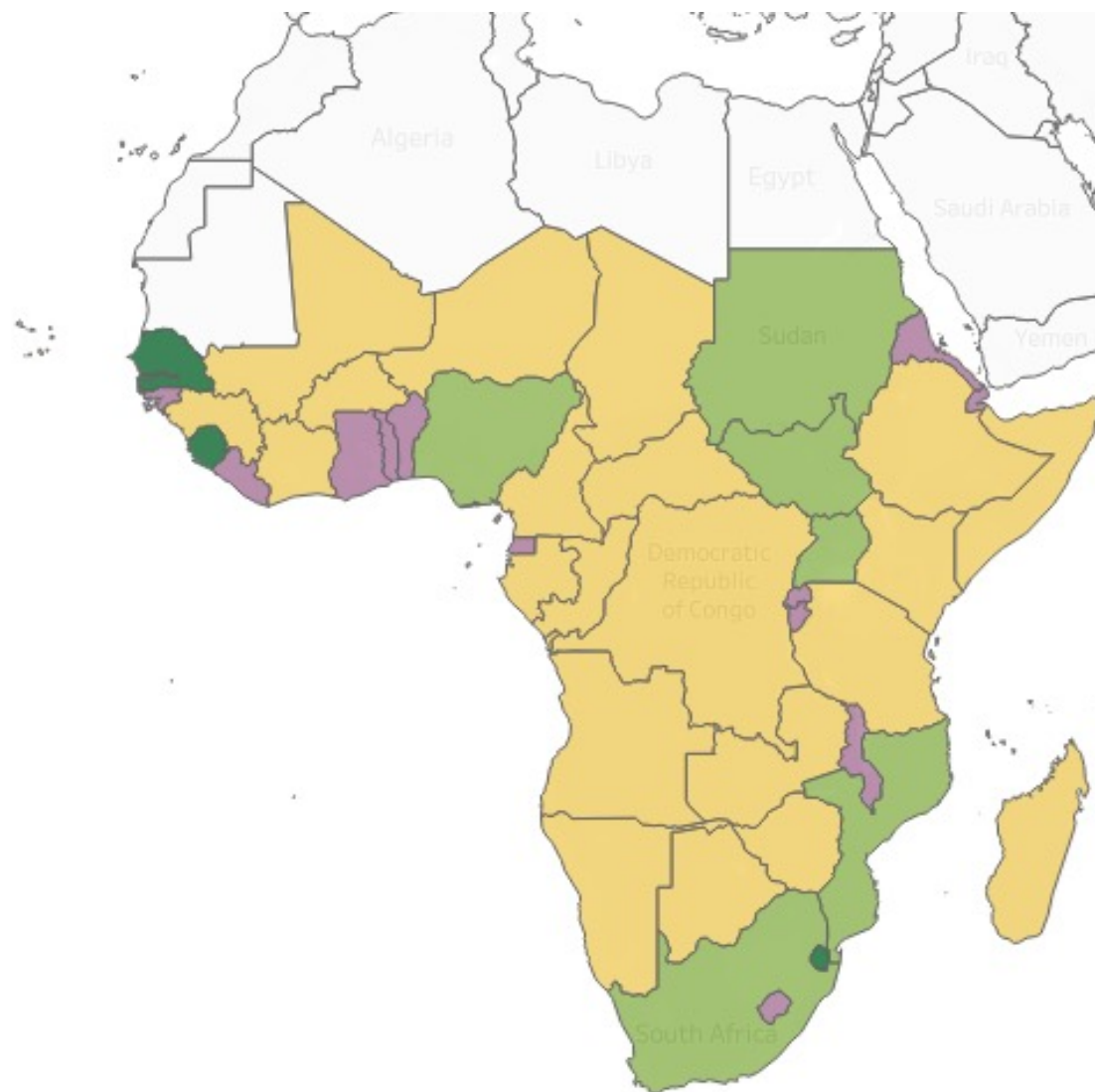
...then use those catchment areas to improve your DHIS2 maps






The screenshot shows the "DHIS 2 Demo - Sierra Leone" interface. On the left, a table lists "Test 1" through "Test 8" under the header "Name of Catchment Areas". In the center, a "Create new catchment areas" modal is open, containing fields for "Select country", "Name the catchment areas" (with "Untitled catchment areas" as a placeholder), "Select facility level", and "Select groups". On the right, a table shows the status of each catchment area with "Publish" and "Unpublish" buttons. At the bottom of the modal are "Cancel" and "Create" buttons.

Name of Catchment Areas	Date Created	Status	Publish to DHIS2
Test 1			
Test 2			
Test 3			
Test 4			
Test 5			
Test 6			
Test 7			
Test 8			



We are adding new countries to the app in 2022



Status	
	country in app
	part of country in app
	planned for April 2022
	planned for 2022
	not planned

Want to add your country?

Let us know. We may be able to make it available sooner.

Join us!



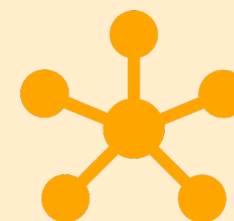
If you are interested in making catchment areas for your country, please email me **coite@crosscut.io**



Want to work with us?
Let us know. We will be hiring later this year.

Want to partner with us?

You can call our API's from your tech platform or use our app in your implementation programs.



Want to try it out?
Go to crosscut.io and start using the app today.

Questions? Feature requests? Add a country?
Email me coite@crosscut.io



Want to help us go faster?
We are actively seeking funding to scale our tech for larger countries.