


Why you should add Open Data Kit to your data collection toolbox

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 Open Data Kit – <https://opendatakit.org>

 Nafundi – <https://nafundi.com>

Collecting data in low-income areas is necessary and difficult



Paper is common, but can be very limiting

• 400 → 540 ↓

541 → 700 ↓

• 861 → 1030 ↓

1031 → 1200 ↓

1371 → 1540 ↓

1541 → 1730 ↓

ODK replaces paper forms with mobile devices

1. Build form

Untitled Form rename | File Edit View Help Signed in as Yaw

Properties

Data Name
The data name of this field in the final exported data

image

Caption Text
The name of this field as it is presented to the user

English
Please take a picture of yourself

Hint
Additional help for this question.

English

Read Only
Whether this field can be edited by the user

Required
Whether this field must be filled before saving

Kind
Type of media to upload.

Image

Advanced

Add new Text Numeric Date Location Media Choose One Select Multiple

2. Collect data

ODK Collect - HCT Household Survey

Household Survey - Individual Section (1)

First Name
jo

ODK Collect - BMC3 Protocol

ASK: Child's problems

- Cough or difficulty breathing
- Diarrhea
- Fever
- Ear problem
- Other/None of the above

ODK Collect - HCT Household Survey

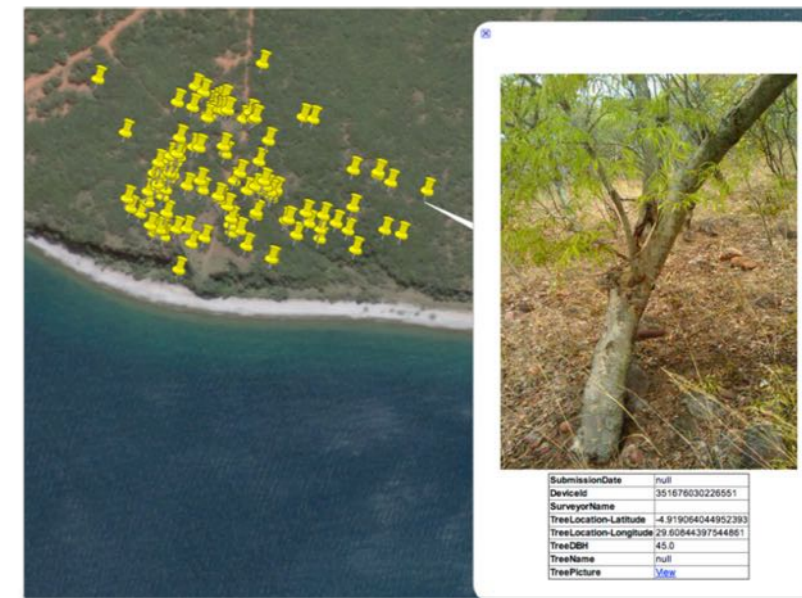
Survey Information

Survey Location
Ensure you have a clear view of the sky.

Replace Location

Latitude: N 35°16'21"
Longitude: E 0°30'0"
Altitude: 2036m
Accuracy: 6.0m

3. Aggregate results



1371 → 1540 ↓

1541 → 1730 ↓

Build: Drag and drop prompts for form creation

The screenshot displays a form builder interface with a menu bar at the top containing 'Untitled Form rename', 'File', 'Edit', 'View', and 'Help'. A 'Not signed in. Sign in now.' notification is in the top right. The main area shows a list of four form prompts, each with an icon and a close button:

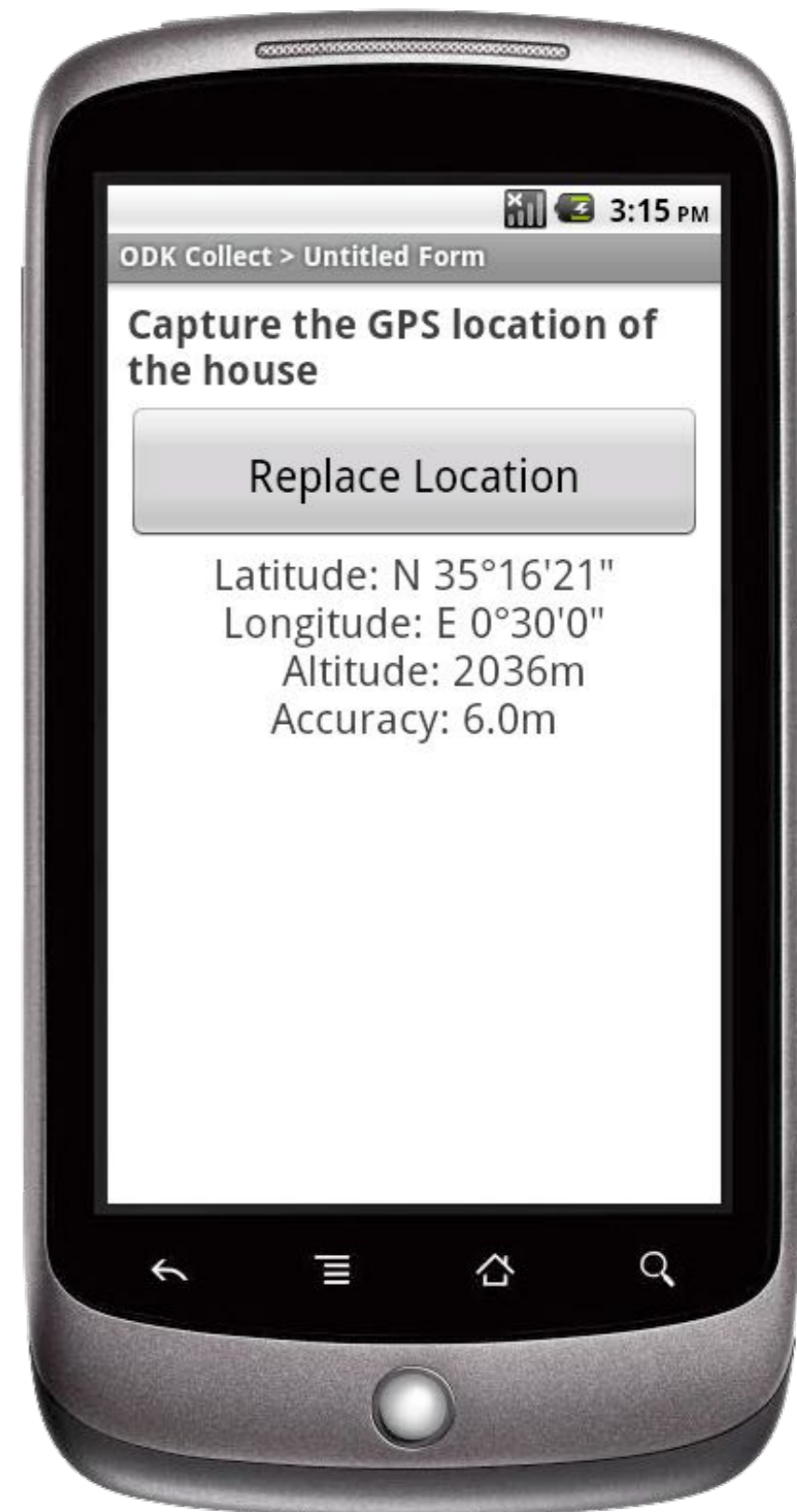
- Text prompt:** 'Enter the head of household's full name' with an 'abc' icon and 'name' data type.
- Date prompt:** 'Enter the head of household's birth date' with a calendar icon and 'date' data type.
- Location prompt:** 'Capture the GPS location of the house' with a globe icon and 'location' data type.
- Media prompt:** 'Record video of a walk around the house' with a camera icon and 'picture' data type.

A red box highlights these prompts and the 'Text' option in the bottom toolbar. A properties panel on the right is also highlighted with a red box. It includes the following sections:

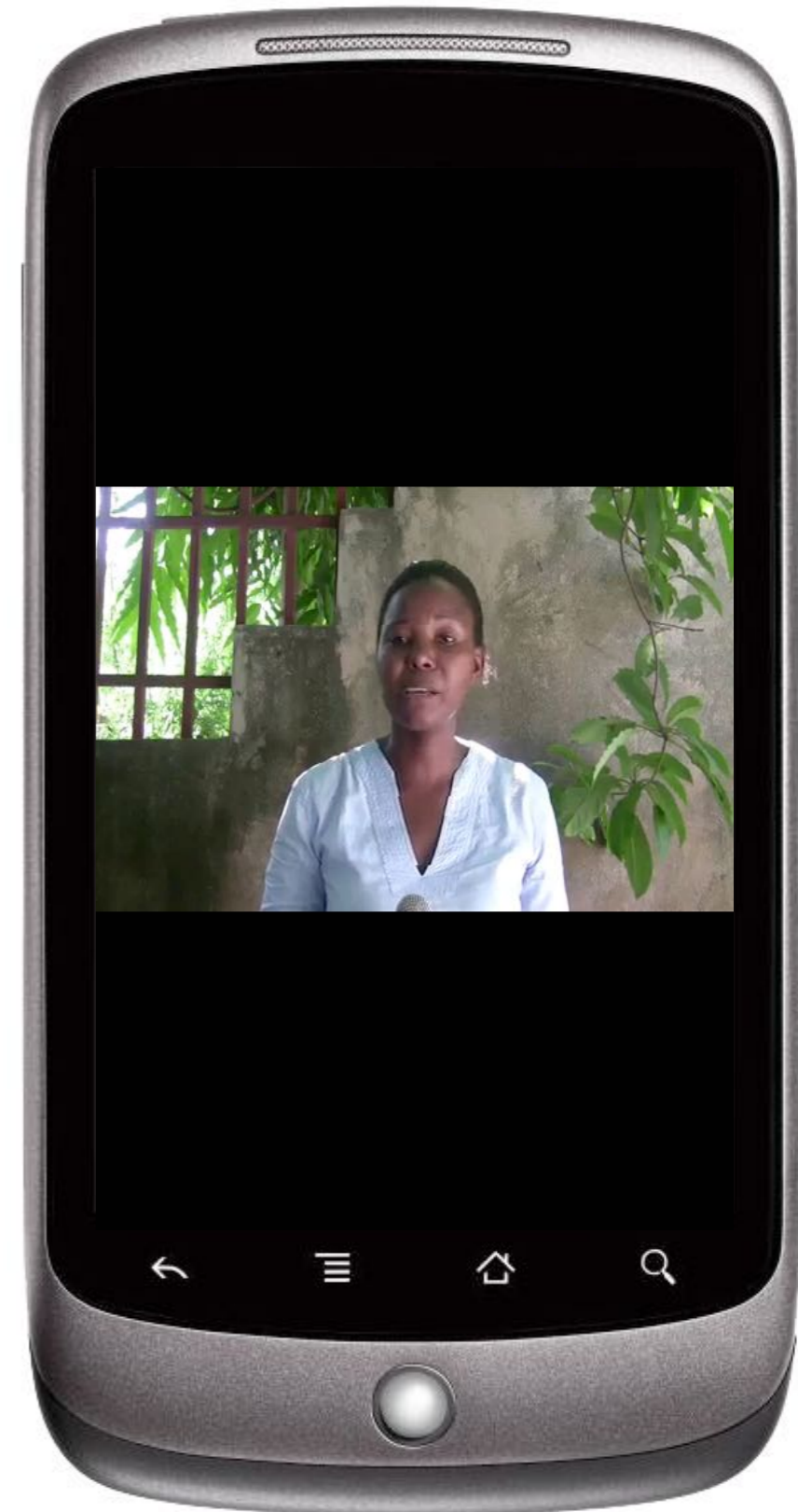
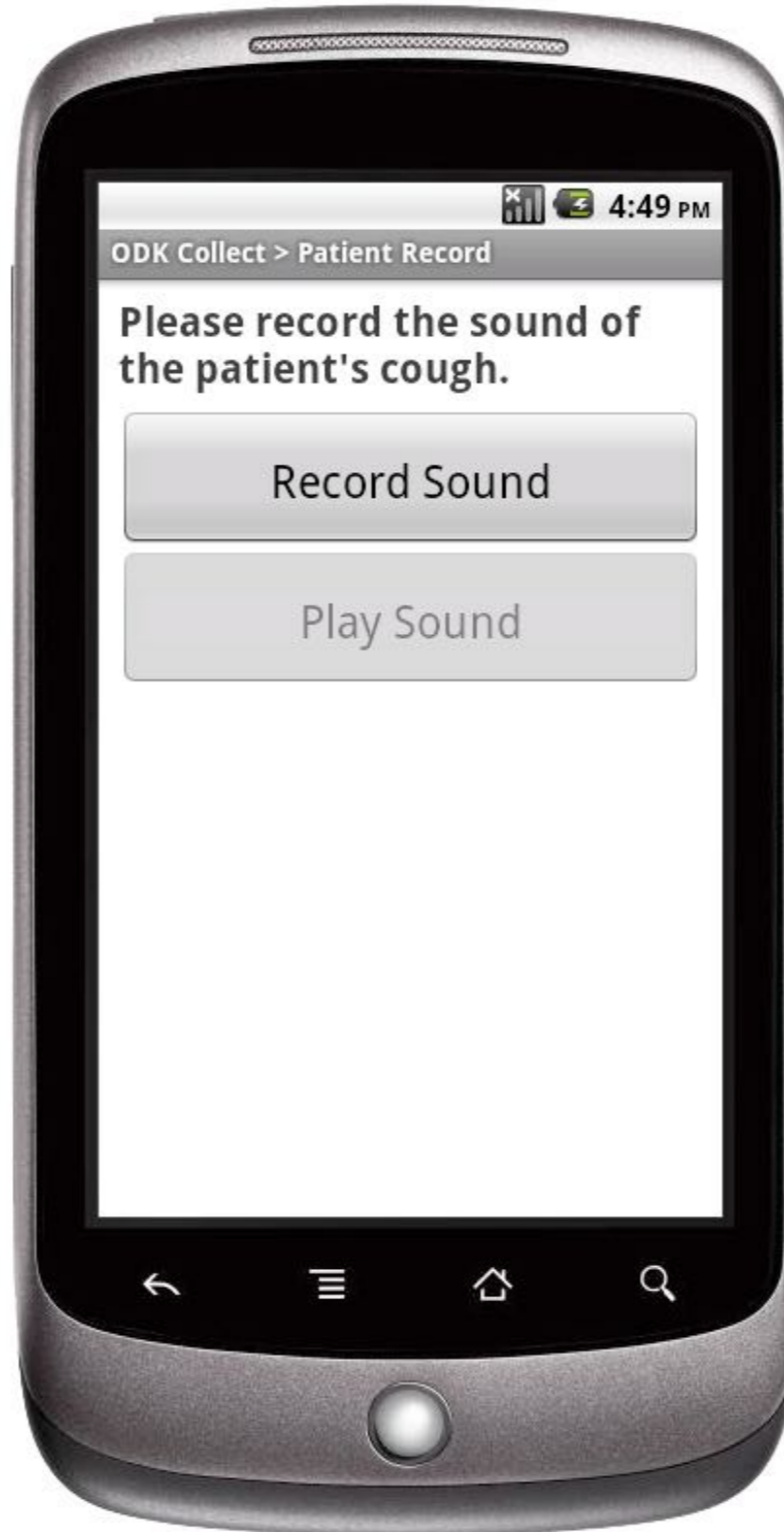
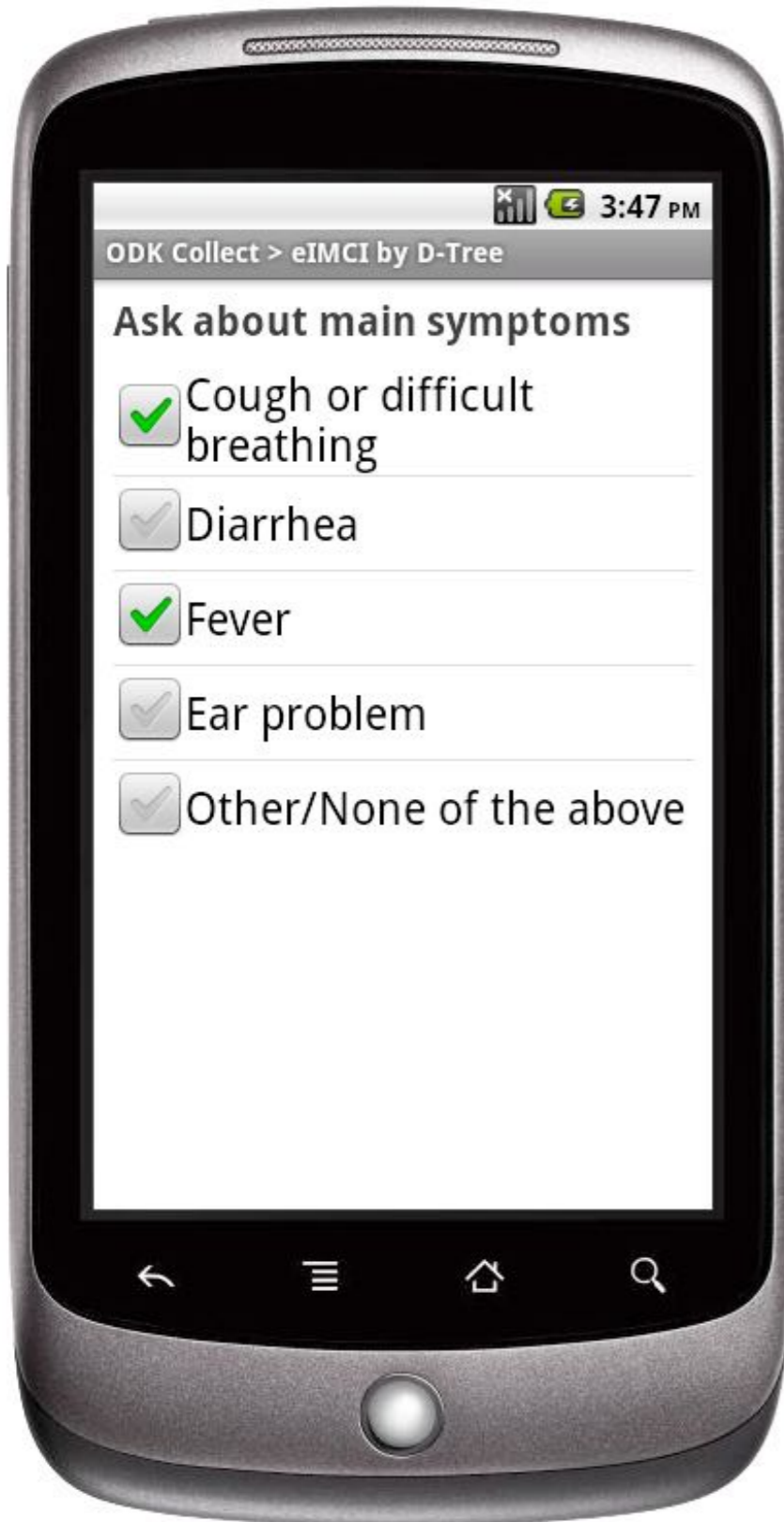
- Properties:** A title for the configuration panel.
- Data Name:** A text input field containing 'name'.
- Caption Text:** A text input field containing 'Enter the head of household's full name'.
- Hint:** A text input field for additional help.
- Default Value:** A text input field for the initial value.
- Read Only:** A checkbox with the description 'Whether this field can be edited by the end user or not.'
- Required:** A checkbox with the description 'Whether this field must be filled in before continuing.'
- Length:** A section for 'Valid lengths for this user input of this control.' containing 'Enable' (checkbox), 'Minimum' (input field), and 'Maximum' (input field).
- Advanced:** A section header with a right-pointing arrow.

The bottom toolbar contains a '+ Add new' button followed by buttons for 'Text', 'Numeric', 'Date', 'Location', 'Media', 'Barcode', 'Choose One', 'Select Multiple', 'Group', and 'Branch'. The 'Text' button is highlighted with a red box.

Collect: Display prompts for data collection



Collect: Multiple languages and multimedia ability



Aggregate: Host data and provide extraction interfaces

The screenshot shows a web application interface for managing geotagged submissions. The top navigation bar includes 'Submissions', 'Form Management', and 'Site Admin'. The user is logged out, with the email 'wbrunette@gmail.com' and a 'Log Out' link. The main content area displays a list of submissions for the 'Geo Tagger v2' form. The list is filtered by 'none'. The table columns are: Image, Location Latitude, Location Longitude, Location Altitude, Location Accuracy, and Description. The table contains 10 rows of data, each with a red 'X' icon in the 'Image' column. The left sidebar contains a 'Filter Submissions' section with a 'Filter' dropdown set to 'none', and a 'Filters Applied' section with a 'Hide DeviceId' filter. The bottom of the page shows 'Previous' and 'Next' navigation buttons.

Submissions Form Management Site Admin

Log Out
wbrunette@gmail.com

Filter Submissions Exported Submissions

Form Geo Tagger v2 Filter none

Visualize Export

Save Save As Delete

Display Metadata









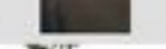
Submissions per page 100

Filters Applied

Add Filter

Hide DeviceId

Previous Geo Tagger v2 Next

Image	Location Latitude	Location Longitude	Location Altitude	Location Accuracy	Description
	47.65434975	-122.30498975	21.29999924	6.708204	HUB construction
	47.64834739	-122.29989853	-20.29999924	5.656854	Docks at WAC
	47.65335942	-122.3255423	-14.89999962	6.708204	Foot of Latona
	47.64634424	-122.33644953	-7.0999999	6.3245554	Home
	47.64540379	-122.33636588	-7.19999981	4.472136	Kite hill... Gasworks
	47.62708792	-122.33274967	-8.0	6.708204	Chandler's Cove
	47.65824883	-122.31314593	31.0	5.0	The Ave
	47.66945725	-122.30360415	25.39999962	5.0	Ravenna Park
	47.68088862	-122.3291259	48.59999847	5.0	Greenlake
	47.68999464	-122.3554331	68.59999847	7.2111025	Greenwood

Aggregate: Stores or forwards data to external systems



DeviceId	351676030226627
SurveyorName	Shadrack
TreeLocation-Latitude	-4.9192410707473755
TreeLocation-Longitude	29.60762321949005
TreeDBH	57.0
TreeName	Myombo
TreePicture	View

ODK replaces paper forms with mobile devices

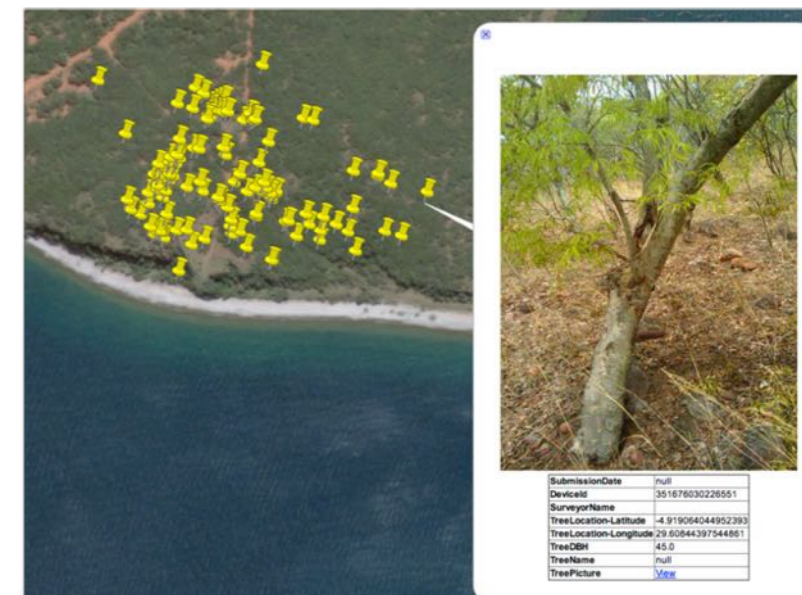
1. Build form

The screenshot shows the ODK Form Builder interface. On the left, there are four form elements: a text field for 'First name', a location field with a globe icon and the text 'Please record your location', a date field for 'When is your birthday?', and an image field with an upload icon and the text 'Please take a picture of yourself'. On the right, the 'Properties' panel is visible, showing options for 'Data Name', 'Caption Text', 'Hint', 'Read Only', 'Required', and 'Kind' (set to 'Image'). At the bottom, there are buttons for 'Add new' and various field types like 'Text', 'Numeric', 'Date', 'Location', 'Media', 'Choose One', and 'Select Multiple'.

2. Collect data



3. Aggregate results



1371 → 1540 ↓

1541 → 1730 ↓

Jane Goodall Institute uses ODK to monitor chimps



Carter Center uses ODK to monitor elections



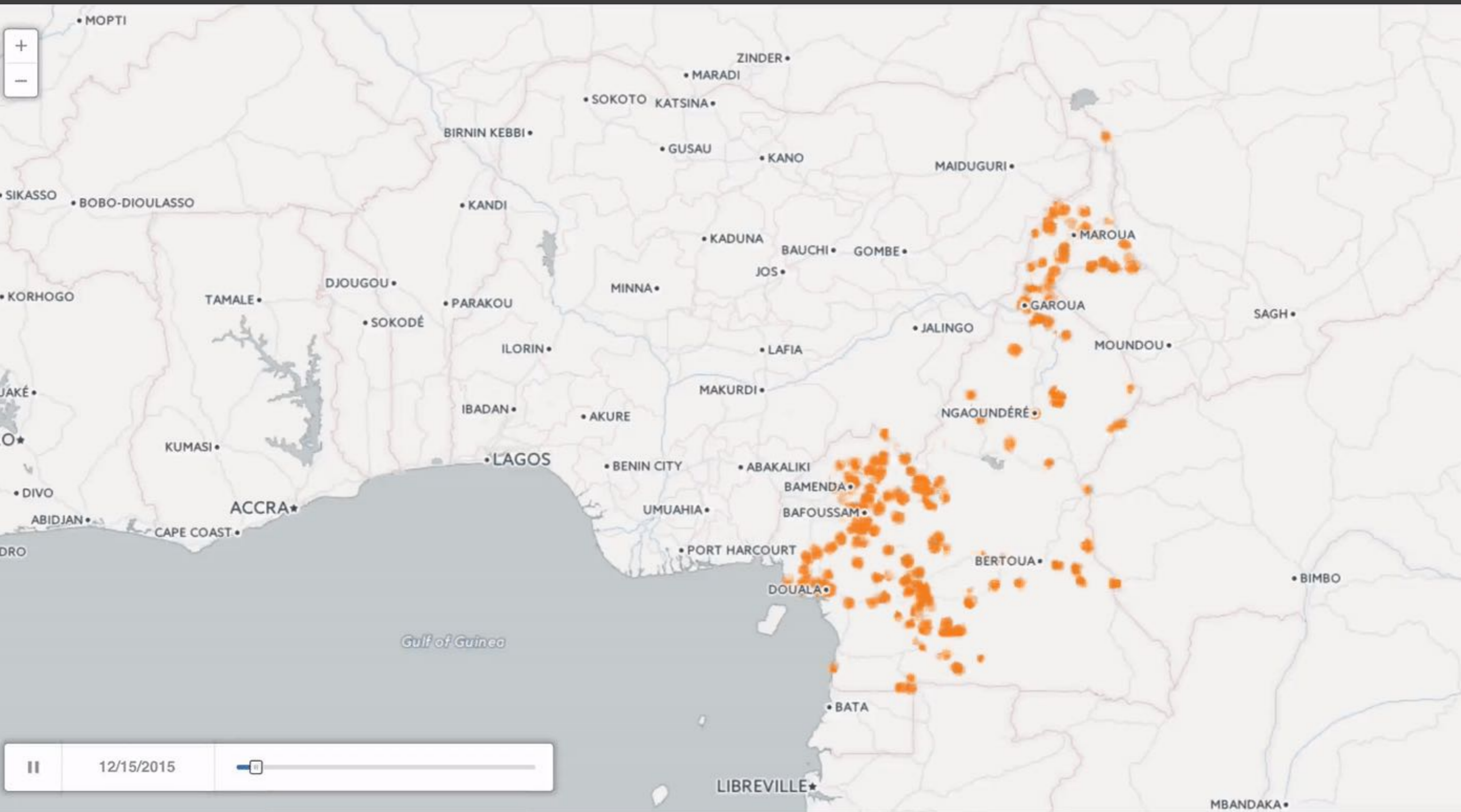
Vacant Voices uses ODK to monitor vacant properties



International Potato Center uses ODK to monitor crops



Cameroon collected 80,000 forms with 400 enumerators in a week



"Easy data collection and analysis...huge, wonderful, and meaningful database"

NTD-SC has collected 50 million data points in 40 countries



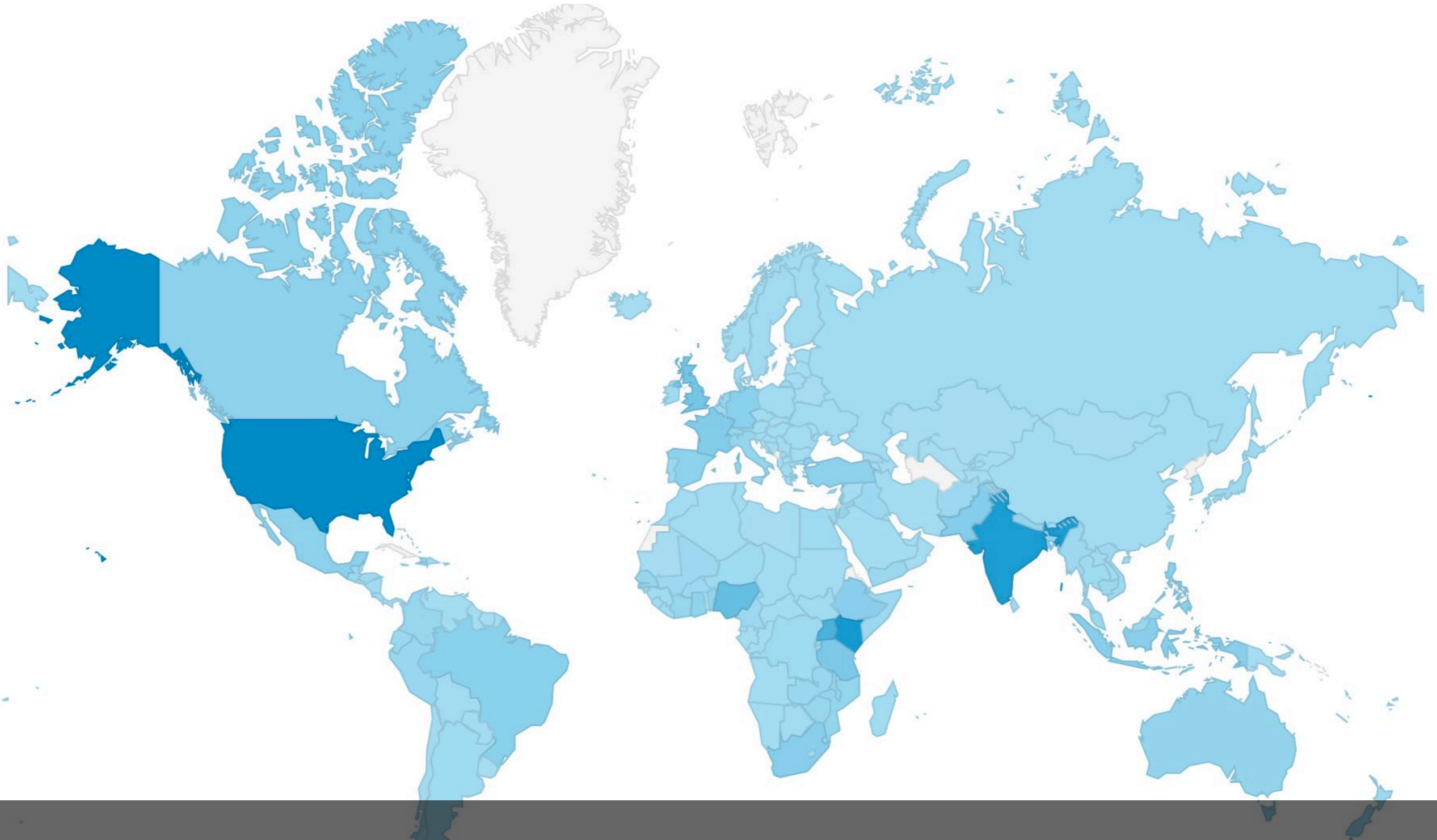
"This would not be possible without data being processed and analyzed so quickly."

WHO has collected millions of data points for polio















Ongoing campaign in Somalia - 726,000 children, 3,500 staff

The ODK community is everywhere



Visitors to site: 200K, Users of Collect: 400K

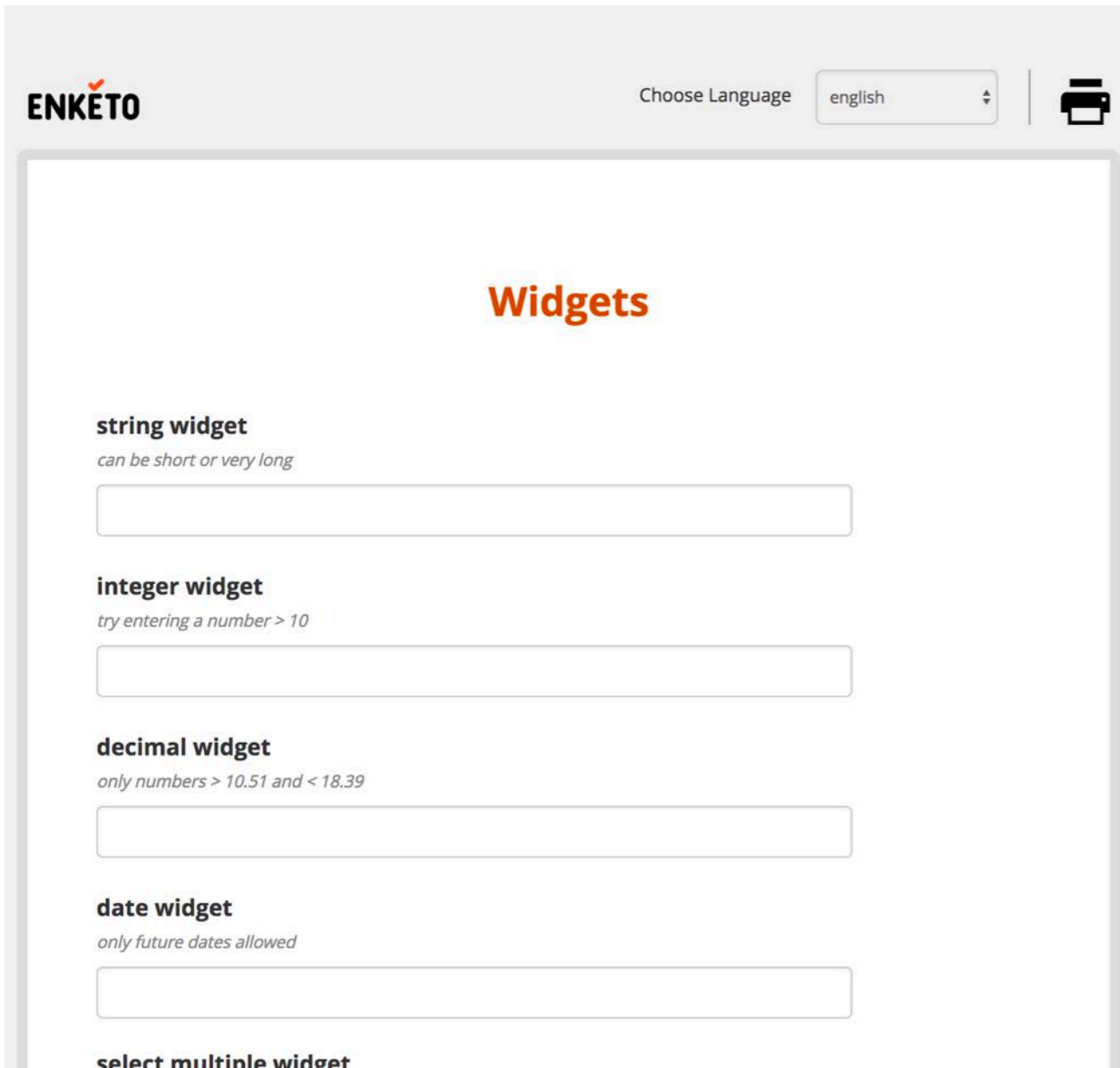
Community forum for support, features, marketplace, etc

Announcements 2	 Introduce yourself here! Community 61 37m
New releases, changes to governance, and other important information. This category is read-only, so if you have an idea for an announcement, share it in Community and a moderator will post it here!	 Welcome to the ODK Forum! Announcements 2 15d
Community 2	 <input checked="" type="checkbox"/> Using external GPS via Bluetooth Support <small>odk-collect</small> 1 11m
Welcome new community members, discuss events and talks, and connect with the wonderful people that make ODK possible. If you need help with form design or using ODK, please post in Support!	 Can't upload csv preload to aggregate Support <small>odk-aggregate</small> 1 19m
Support 12 / week	 Experiences of using ODK in complex trial in Nepal - published in Global Health Action Showcase 0 1h
Have a question about form design, installing and using ODK, or are seeing unexpected behavior with an ODK tool, this is the place to get community support. Support is provided by fellow community members, so please be patient, be kind, and say thanks!	 Printing ID Cards Features 0 votes 0 3h
Features 3 / week	 QGisODK plugin Showcase 10 7h
Discuss features on your ODK wishlist and share ideas for improving existing features. No technical knowledge needed!	 Enable Case Management/Preloading Features 2 votes 1 8h
Development 1 / week	 <input checked="" type="checkbox"/> XLSForm with Round off function not working Support <small>form-design</small> 5 10h
Discuss the process of building and modifying ODK tools: dev setups, code structure, APIs, translations, docs. Need help with form design or using ODK? Post in Support! This category is for mostly technical topics are too general for GitHub issues.	 From the ground to the cloud: forest monitoring in Hutan Aceh Showcase 0 16h
Documentation Translation	 Vote button not working on mobile site Meta 8 17h
Showcase 1 / week	 Interview Support <small>form-design</small> 1 21h
Share a cool deployment you were involved in, an epic form you designed, a neat integration you built, or an awesome article about ODK you found on the web...	
Governance 7 / week	
Discussions about how our community is governed and led. If you love process and procedures, this is the place for you.	
Marketplace 1	
Post job listings, RFPs/TORs, and other such opportunities related	

<https://forum.opendatakit.org> - 6,300 and growing!

Ecosystem allows users to pick and choose tools

Enketo: Collect data in web browser



The screenshot shows the Enketo website interface. At the top left is the ENKETO logo. To the right, there is a 'Choose Language' dropdown menu set to 'english' and a printer icon. The main content area is titled 'Widgets' in orange. Below this title, there are five widget categories, each with a description and a corresponding input field:

- string widget**: can be short or very long. Input field:
- integer widget**: try entering a number > 10. Input field:
- decimal widget**: only numbers > 10.51 and < 18.39. Input field:
- date widget**: only future dates allowed. Input field:
- select multiple widget**: Input field:

XLSForm: Design forms in Excel

	B	C	D	E
1	type	name	label	hint
	geopoint	gps_location	Where are you?	Be sure to be outside and have a clear view of the sky before recording GPS location.
5				
6	string	full_name	What is your full name?	
7	integer	age_years	Hello, \${full_name}! What is your age in years?	Try a negative, then try a number greater than 90.
8	note	age_warning	You entered an age of \${age_years} years. Ages over 90 are unusual. If you have confirmed this age is correct, please continue. If the age is not correct, please go back and change your previous answer.	
9	select_one organizations	organization	What organization do you work for?	If your organization is not in this list, you will get a free text box where you can specify.
10	text	organization_other	It looks like your organization was not in the previous list. Please specify the organization you work for.	
	select_one start_letters	start_letter	What letter does your birth country start with?	

Ecosystem also has a choice of developers and implementers



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Need better data collection?

Nafundi can replace your paper forms and surveys with smartphones and tablets. We help your mobile staff (e.g., census takers, health workers) collect data accurately and report results instantly.

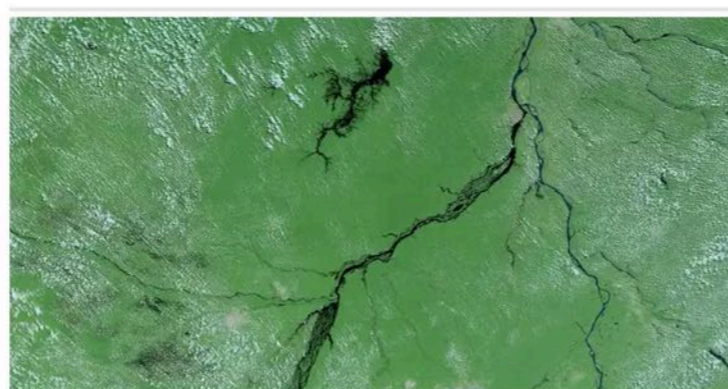
[Learn more](#)

Nafundi designs, builds, deploys, and supports mobile data collection software. We started [Open Data Kit](#), the best way to collect data on a mobile device.



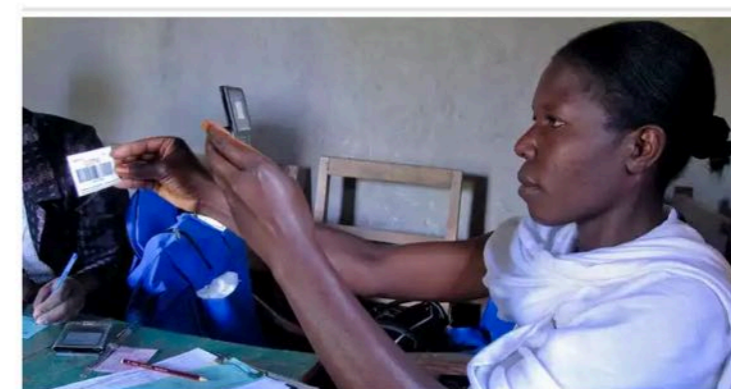
Nafundi ensures Johns Hopkins can evaluate research globally

We've used Open Data Kit for years and we love it. Our latest project needed new features that were not in ODK Collect and so we came to Nafundi for help. We knew it would be a lot of work in a short amount of time but they delivered



Nafundi works with Google to monitor changes to ecosystem

I've been working with Nafundi's founders since 2009. From the Amazon rain forest to the heart of Africa, they have a rare ability to discern the essence of a problem and deliver solutions that are easy-to-use, work at scale, and make a



Nafundi helps Task Force for Global Health eliminate tropical diseases

Being able to quickly collect and process data is vital to public health programs. We've been working with Nafundi for years, and they are great at solving the pain points (on mobile and desktop) we come across. They work quickly, solve

Users contribute code, translations, support, etc

2.19K source words

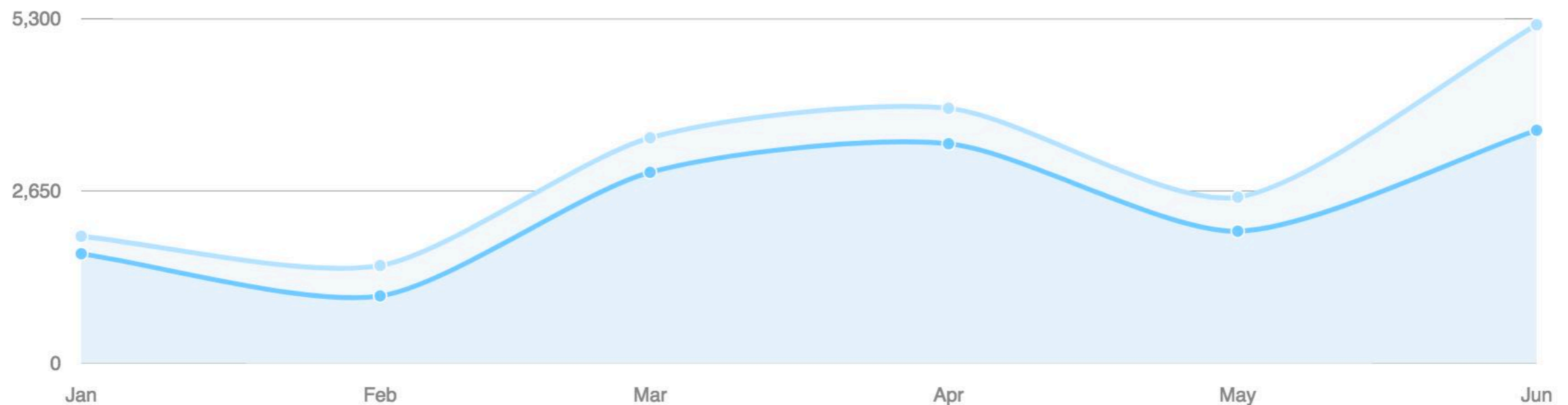
145 collaborators

[Go to your teams & languages](#)

Maintainers: 

Translation Activity

Time period: View:



52 Project languages

Hindi (hi) 1 string to translate 488 strings to review

Japanese (ja) 1 string to translate 488 strings to review

Ukrainian (uk) 1 string to translate 488 strings to review





Calls to action



- Share ODK with folks who might need it
- Sign up on <https://forum.opendatakit.org> and introduce yourself
- Help make ODK better by contributing code, docs, support, design, marketing, training, governance

Questions?



Yaw Anokwa – @yanokwa



Open Data Kit – <https://opendatakit.org>



Nafundi – <https://nafundi.com>