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

👨🏿‍💻 Yaw Anokwa – @yanokwa

📋 Open Data Kit – https://opendatakit.org

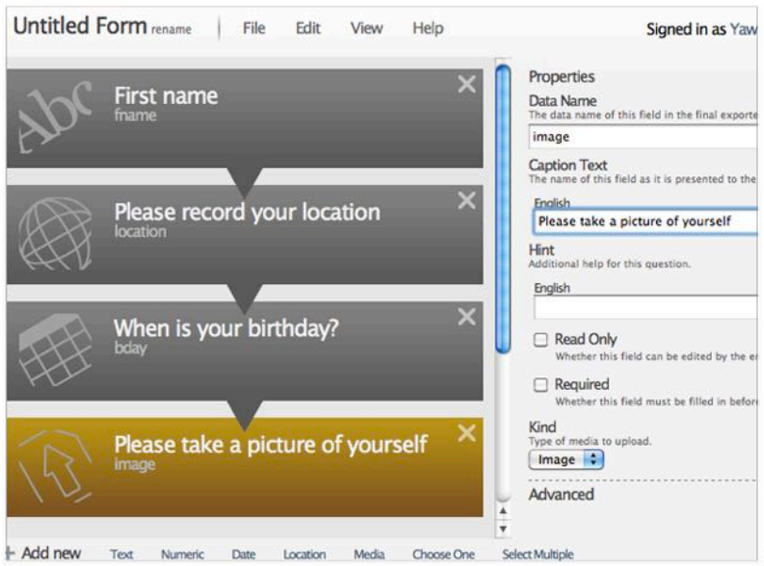
Nafundi – https://nafundi.com

Collecting data in low-income areas is necessary and difficult

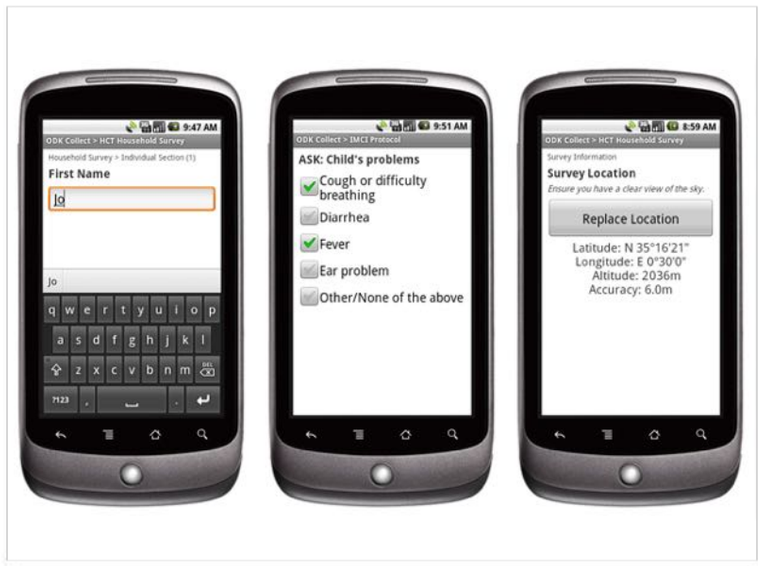
Paper is common, but can be very limiting

ODK replaces paper forms with mobile devices

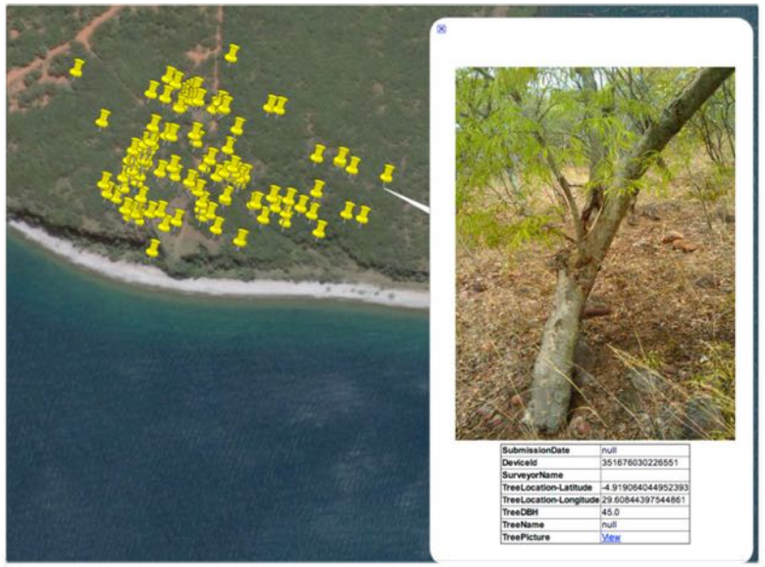
1. Build form



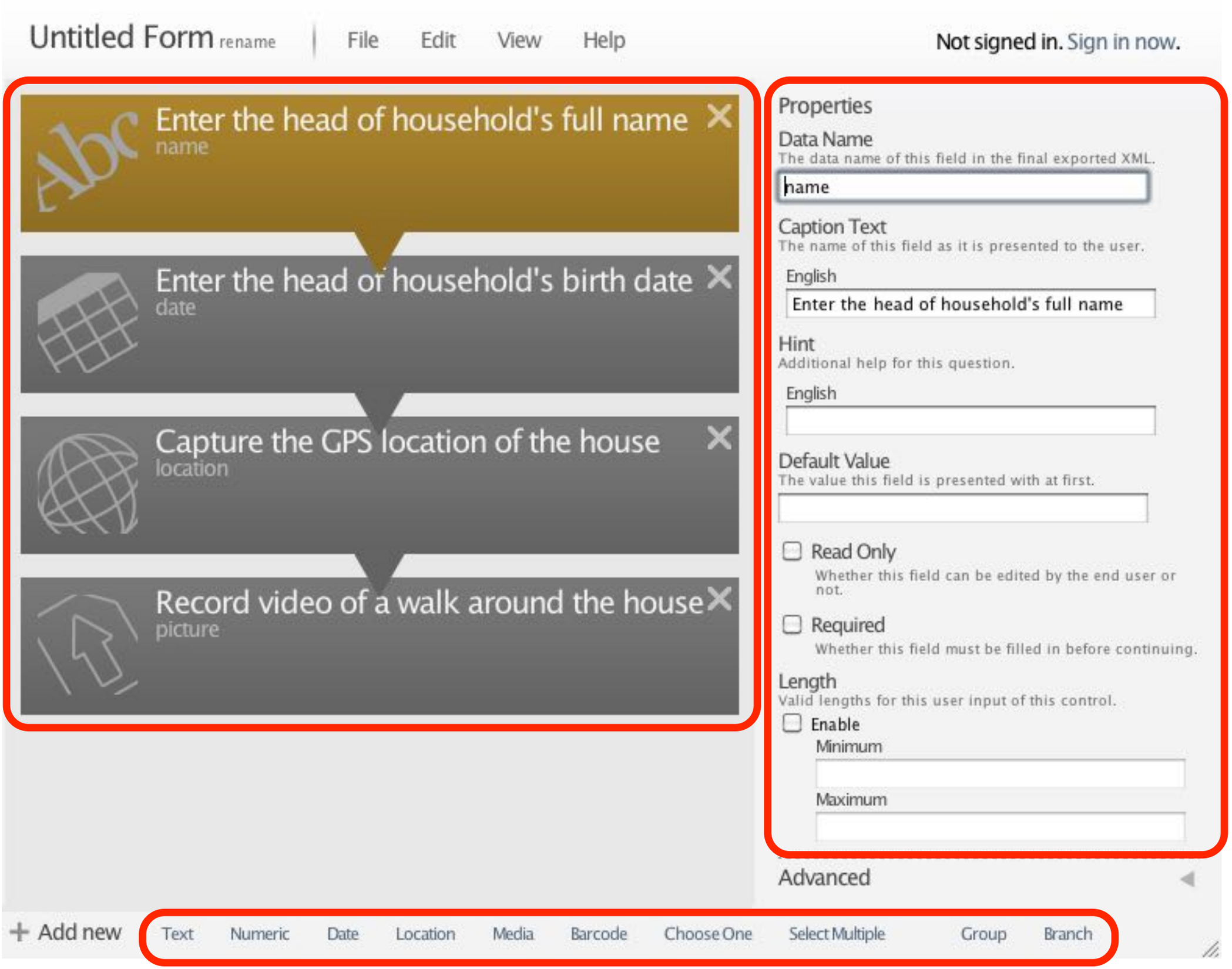
2. Collect data



3. Aggregate results

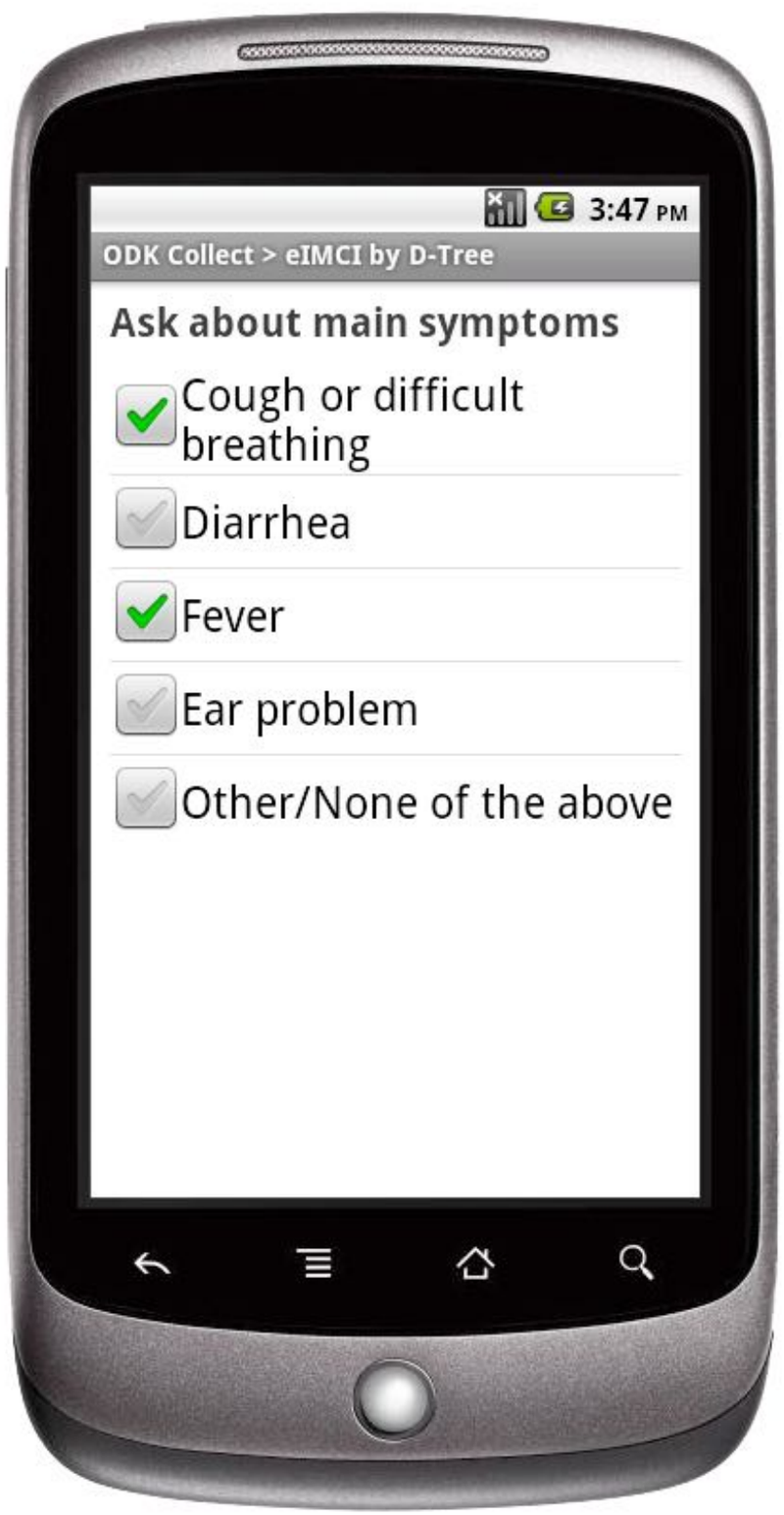


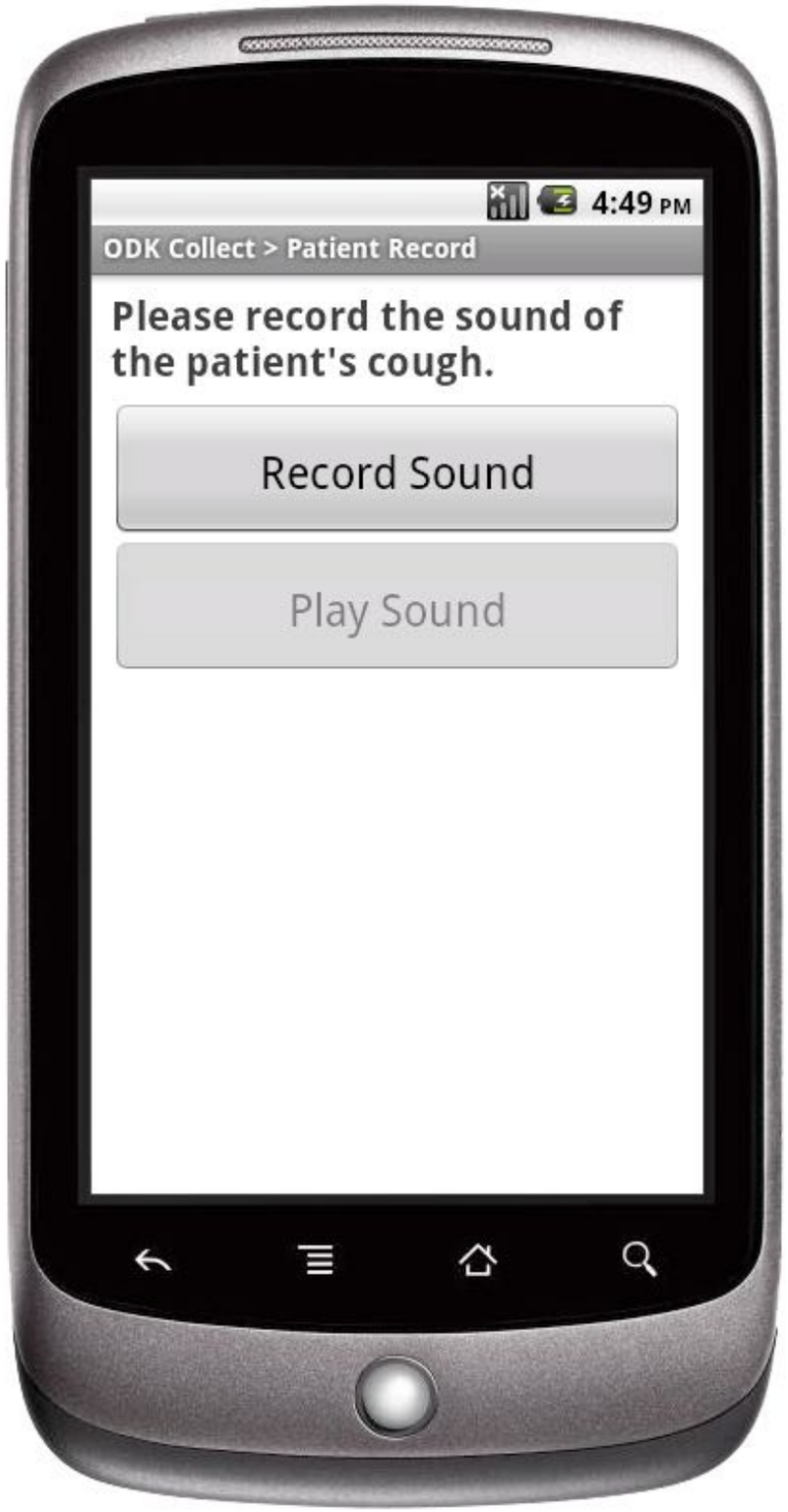
Build: Drag and drop prompts for form creation

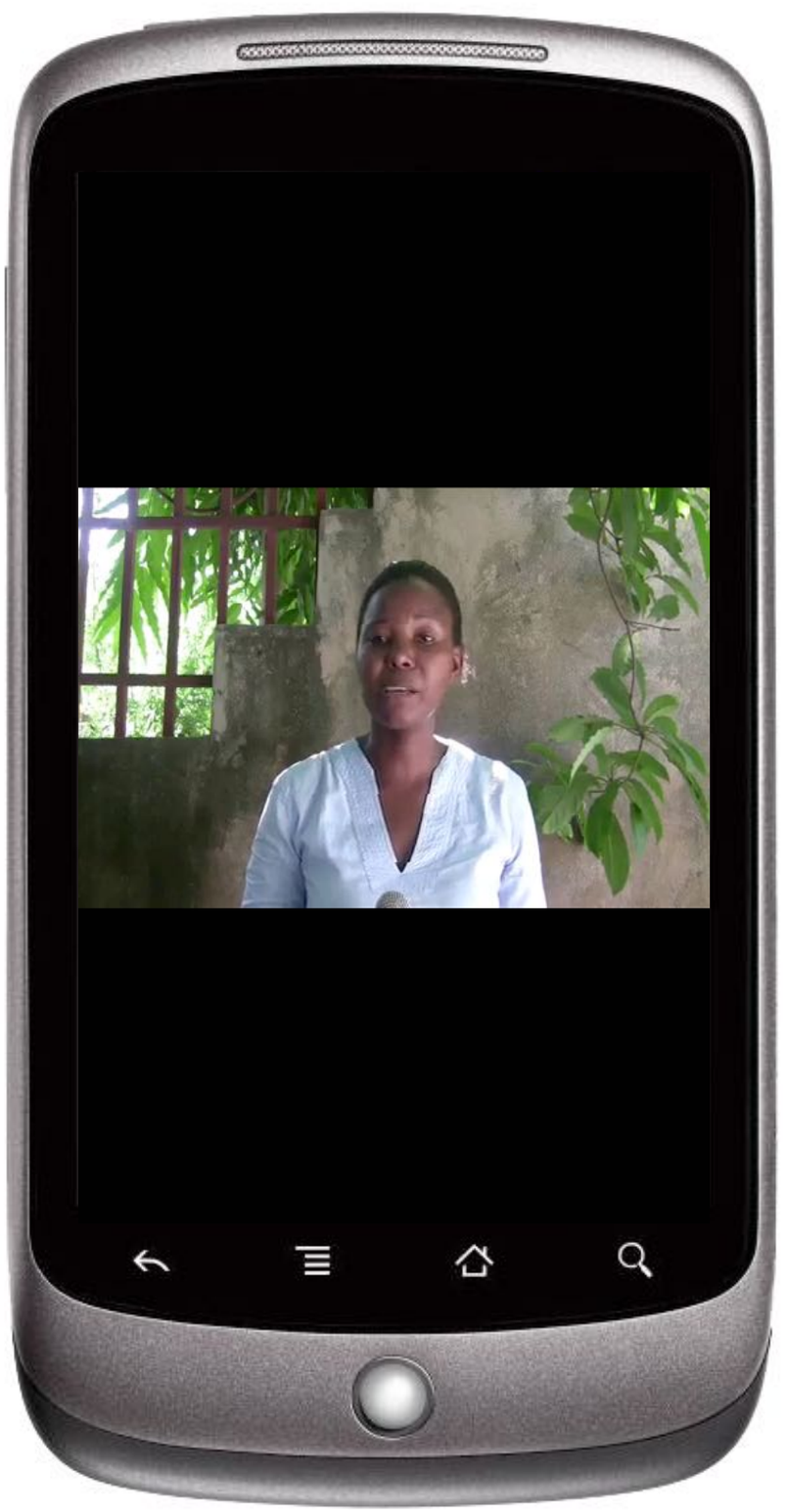


Collect: Display prompts for data collection

Collect: Multiple languages and multimedia ability







Aggregate: Host data and provide extraction interfaces

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

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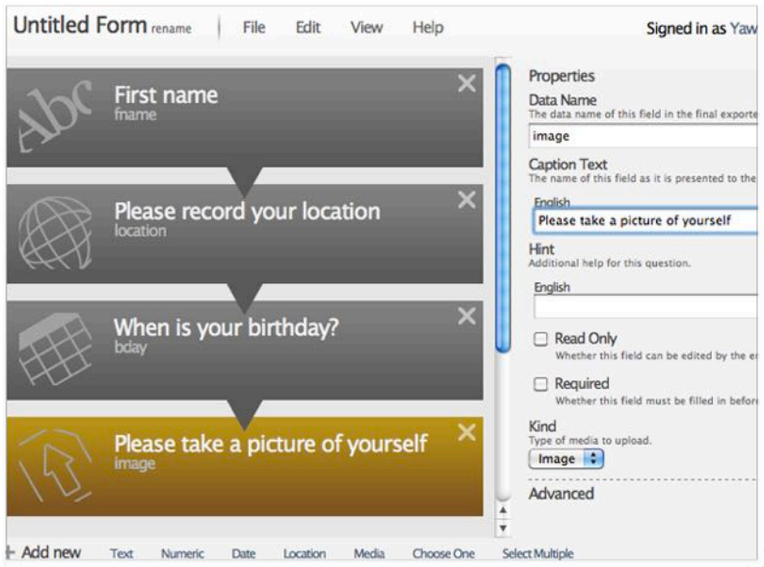

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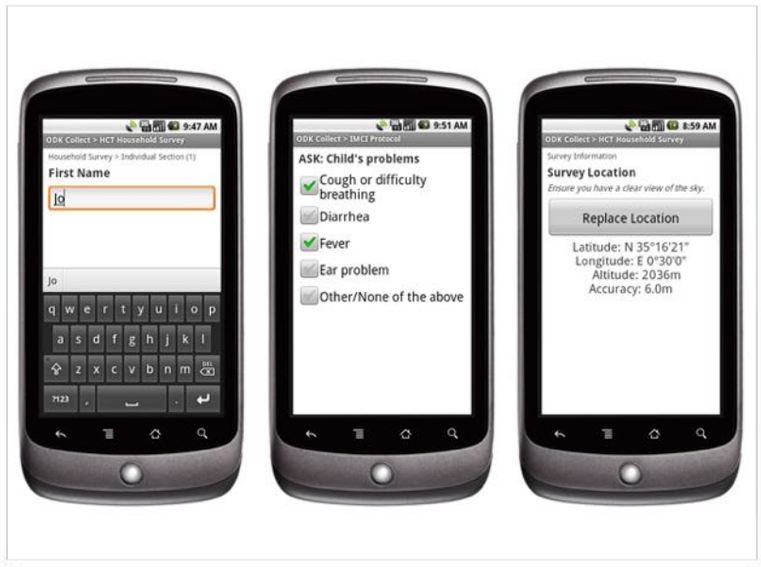
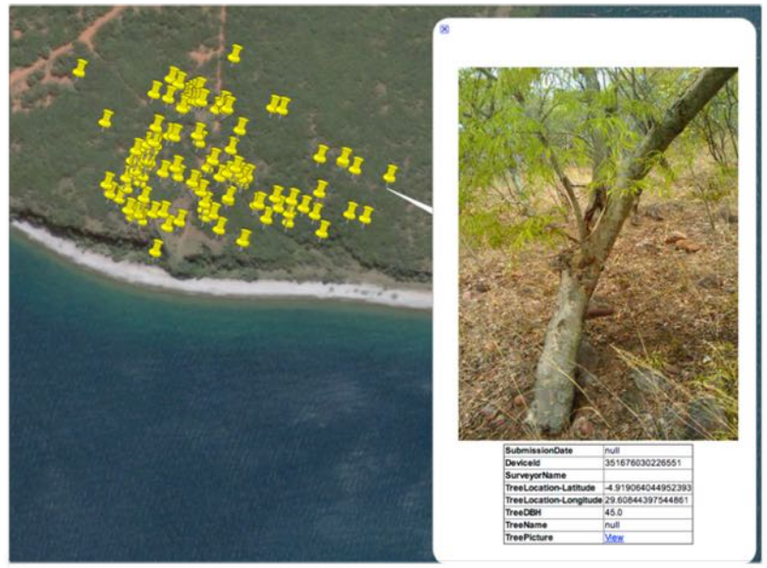


3. Aggregate results



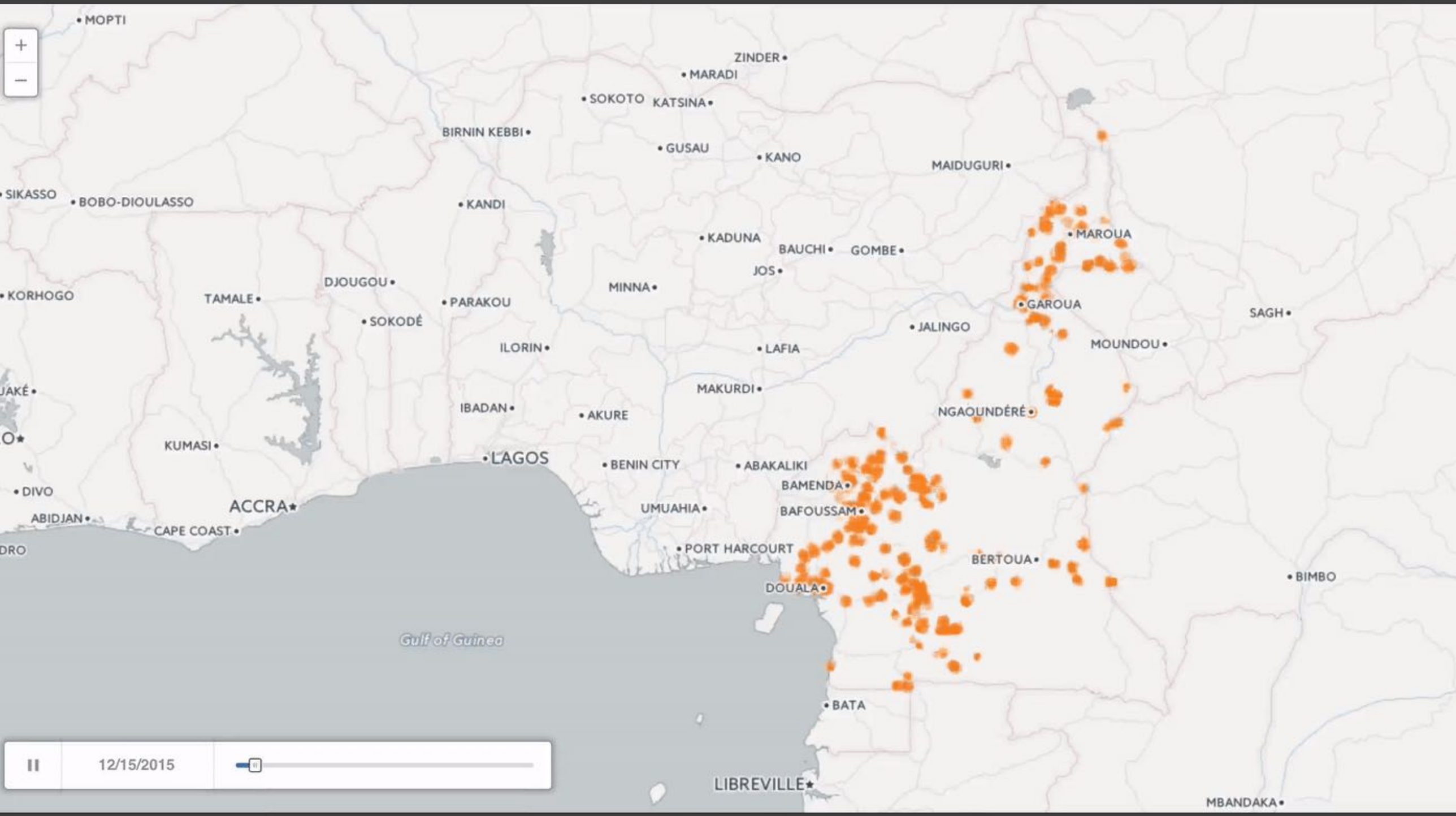
Jane Goodall Institute uses ODK to monitor chimps

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"

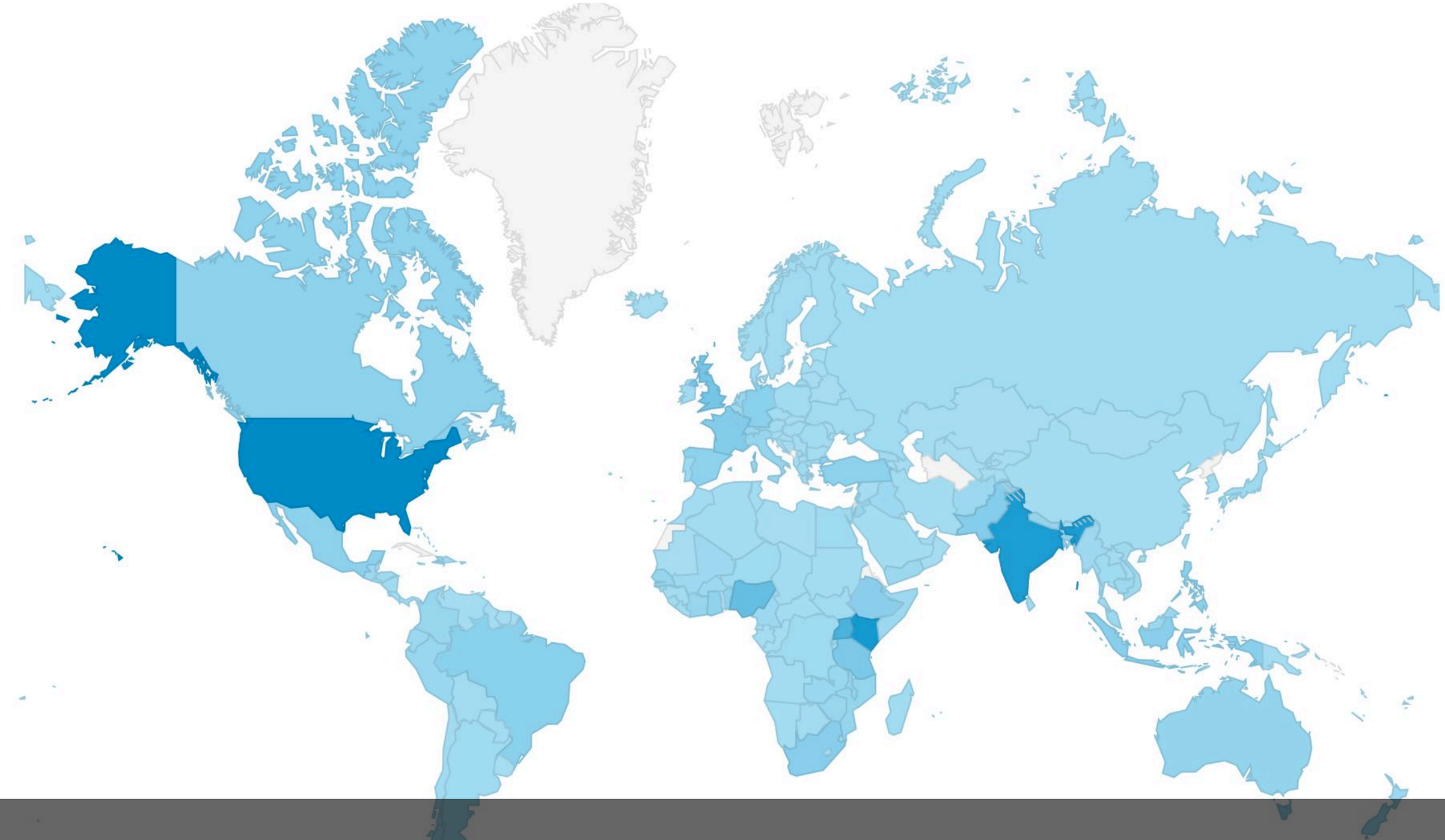
NTD-SC has collected 50 million data points in 40 countries

"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

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!

Community 2

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!

Support 12 / week

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!

Features 3 / week

Discuss features on your ODK wishlist and share ideas for improving existing features. No technical knowledge needed!

Development 1 / week

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.

Documentation Translation

Showcase 1 / week

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

Introduce yourself here! 61
Community 37m

Welcome to the ODK Forum! 2
Announcements 15d

Using external GPS via Bluetooth 1
Support odk-collect 11m

Can't upload csv preload to aggregate 1
Support odk-aggregate 19m

Experiences of using ODK in complex trial in Nepal - published in Global Health Action 0
Showcase 1h

Printing ID Cards 0
Features 0 votes 3h

QGisODK plugin 10
Showcase 7h

Enable Case Management/Preloading 1
Features 2 votes 8h

XLSForm with Round off function not working 5
Support form-design 10h

From the ground to the cloud: forest monitoring in Hutan Aceh 0
Showcase 16h

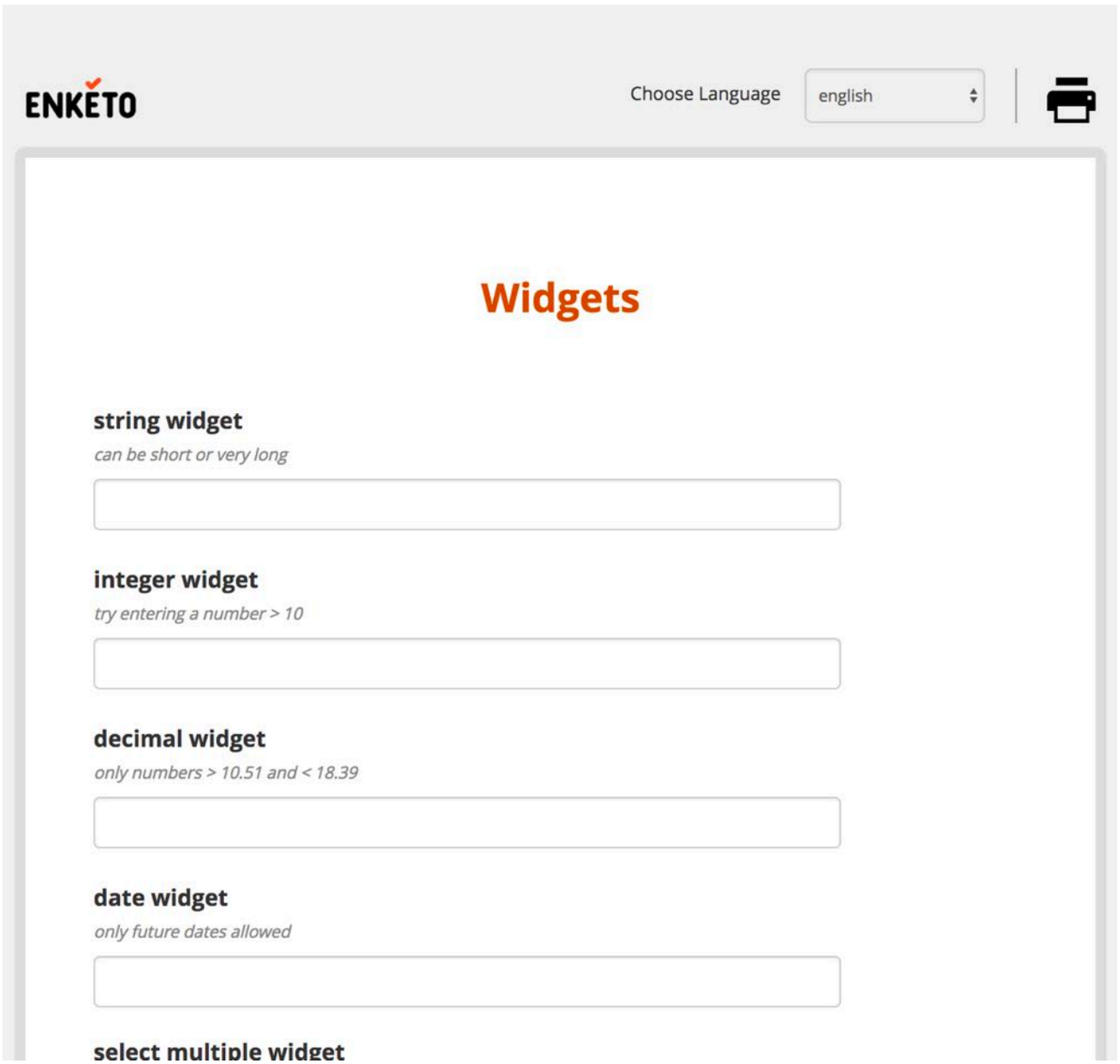
Vote button not working on mobile site 8
Meta 17h

Interview end 0
Support form-design 21h

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

Ecosystem allows users to pick and choose tools

Enketo: Collect data in web browser



XLSForm: Design forms in Excel

	B	C	D	E
1	**type**	**name**	**label**	**hint**
5	geopoint	gps_location	Where are you?	Be sure to be outside and have a of the sky before recording GPS l
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 numbe 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 l other, you will get a free text box 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

NAFUNDI

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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

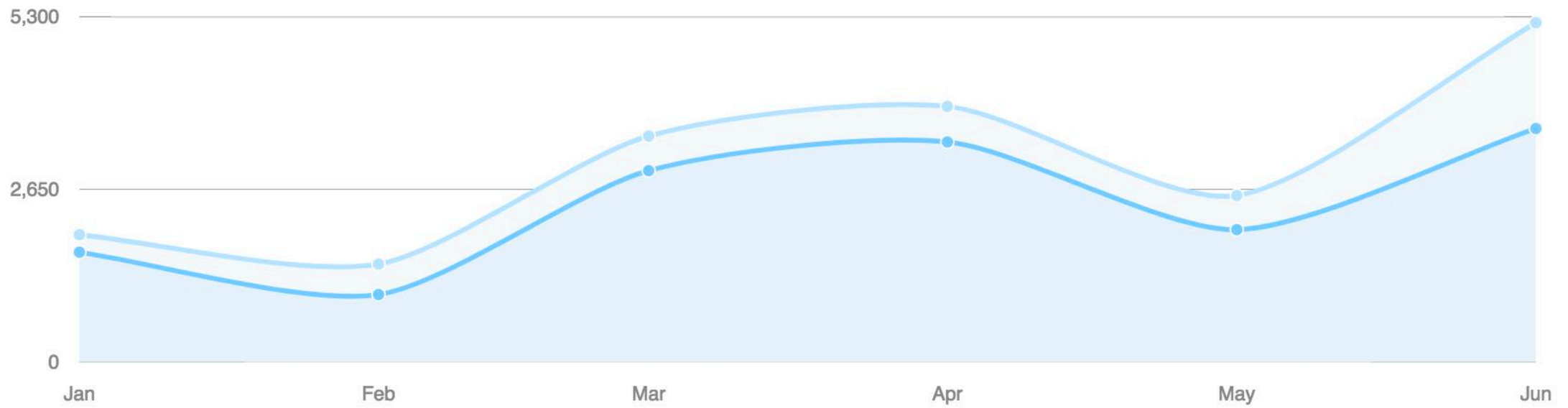
145 collaborators

Maintainers:

Go to your teams & languages

Translation Activity

Time period: monthly View: all



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

http://www.justiceleaguethemovie.com

🚀 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?

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📋 Open Data Kit – https://opendatakit.org

Nafundi – https://nafundi.com