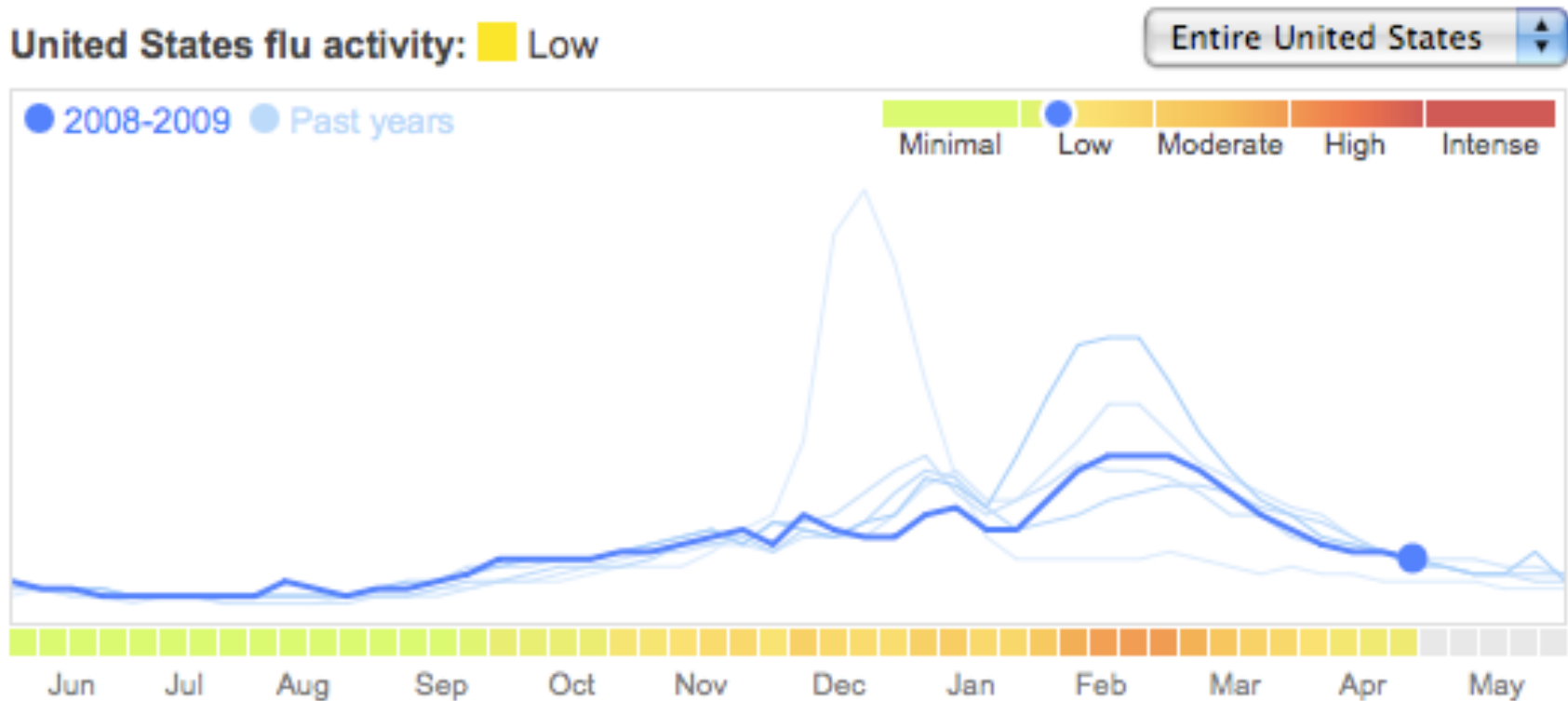


Open Data Kit

Mobile Data Collection Tools for
Developing World Applications

Yaw Anokwa, Carl Hartung
Gaetano Borriello, Bill Schilit, Julie Chin

Making the case for data collection



In developing regions, this data is needed to change the lives of the billions at the bottom.

The state of data collection



patient records on paper



health worker with phone

**We can do better than paper based forms,
unstructured data and archaic phones.**

Google can collect data, too

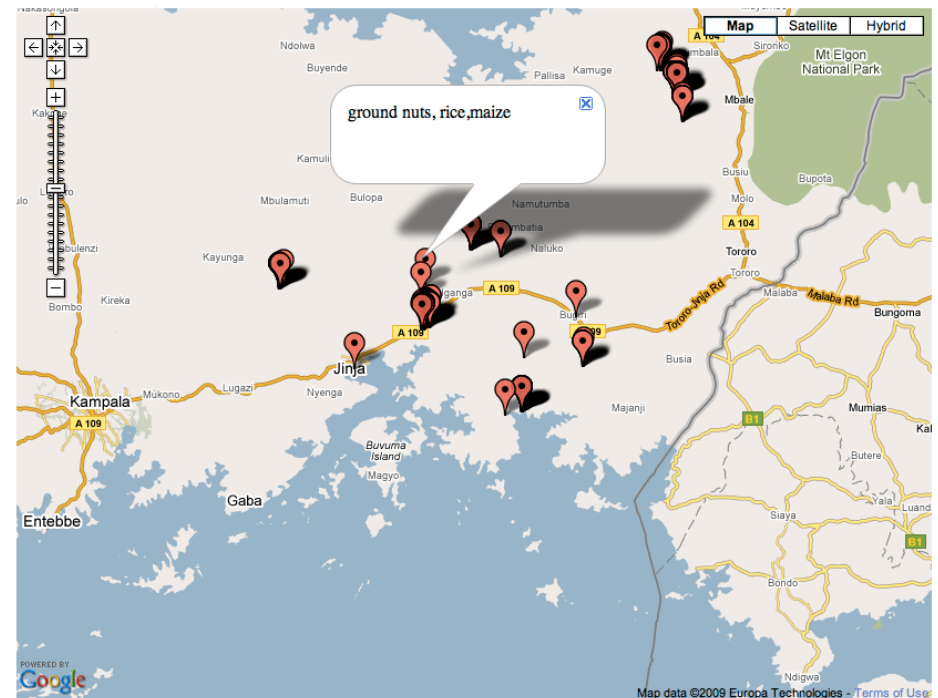


We have many of the tools to address these problems and building the solutions aligns with .org's mission.

Building open and extensible tools

ODK Collect - a client which runs on Android and provides rich data gathering

ODK Aggregate - a server on App Engine which provides a scalable store



Deployment driven design

- **Partner:** Grameen Foundation AppLab in Uganda
- **Application:** Survey to evaluate Farmer's Friend, a Google SMS-based farming database.
- **Scale:** 20 phone operators that send the SMS for farmers in mostly remote regions. 1000 surveys expected.
- **Goal:** Evaluate functionality of first version, understand user interface issues, experience with local infrastructure.



11:06 PM

Surveyor

Grameen Test 3 (lu)

To control banana (leaf spot) sigatoka, apply organic fertilizer, and prune old leaves always. Agriculture information by BROSDI.



1. Have you used this service before? / Wali okozesezzako enkola eno?:

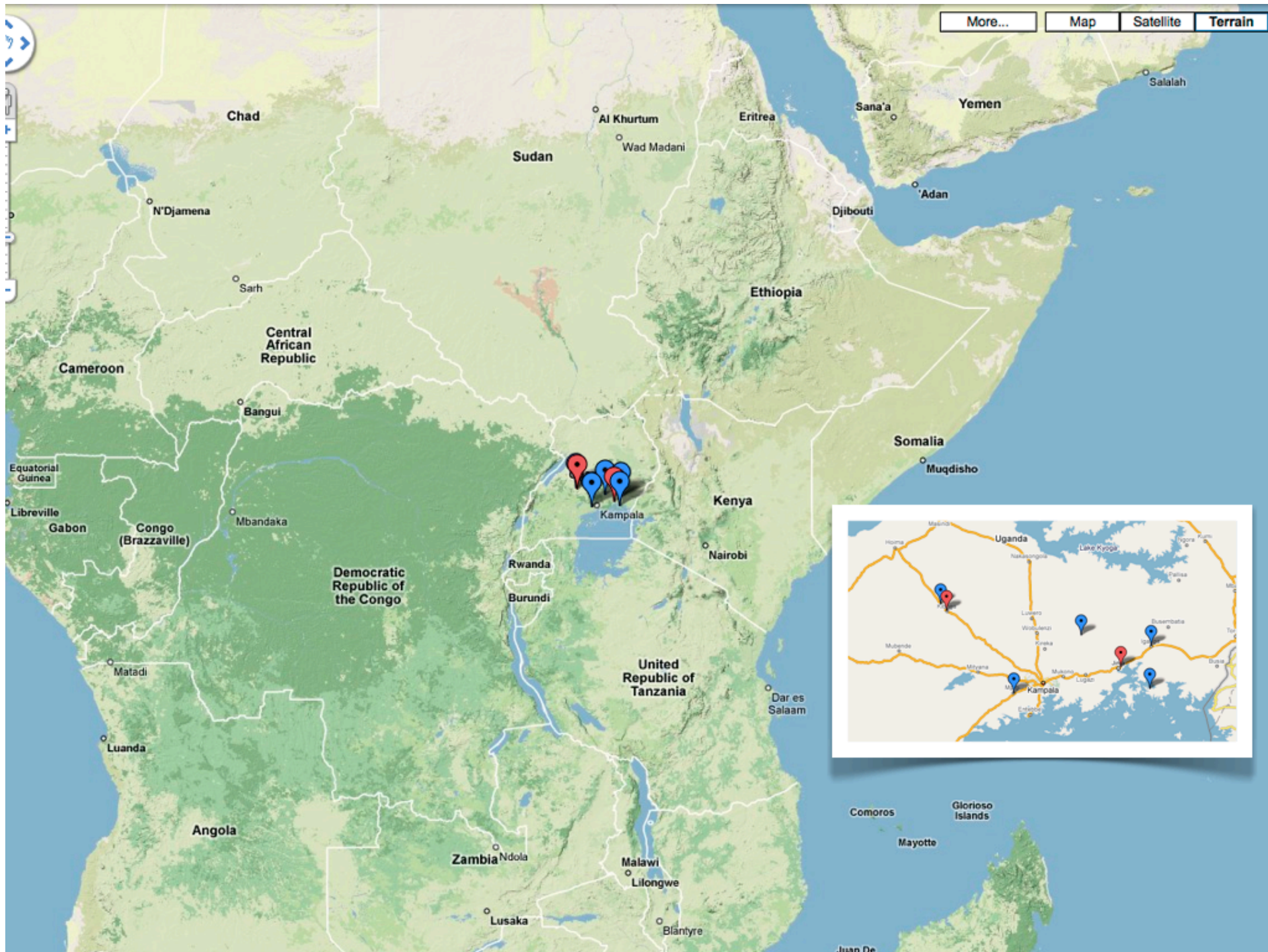
2. If yes, how did you put to use the information you



MENU



is the in for ice om? / za ganno (text)	6) Do you trust the source of the information? / Wesiga esibukko ya mawulire ganno? (select)	7) Before this service existed, where would you learn this information? / Nga enkola eno tenabawo, amawulire nga gano wagajjangawa? (text)	8) Would you tell your friends about this service? / Oyinza okubulira kubano kunkola eno? (select)	9) This service provides weather and farming information. What other topics would you like to see offered by this service? / Eno enkola ekuwa amawulire gebera yobudde ne byobubilimi, mu ki omulira mwewaliyagadde ofuna amawulire? (text)	10) Please record your location. / Tekamu ekifo woli. (location)	11) Please record the time. / Tekamu esawa wobuliza embera yobudde. (time)	12) Please enter the farmer's name. / Yingiza mu elinya lyo mulimi. (text)	13) Please take a picture of the farmer. / Omulimi mukubbe ekiffananyi bwaba ayagadde. (photo)
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farmers	Yes			market and where to get farm suply.	0.521652102470398, 33.392053842544556	Tue Dec 30 17:39:06 GMT+03:00 2008	Peter	View Photo
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Deployment results so far

- 1100+ submitted responses in five months from 17 SPOs.
- Instead of the one survey, Grameen is now using it to evaluate three more applications.
- Lessons learned are feeding the next version.

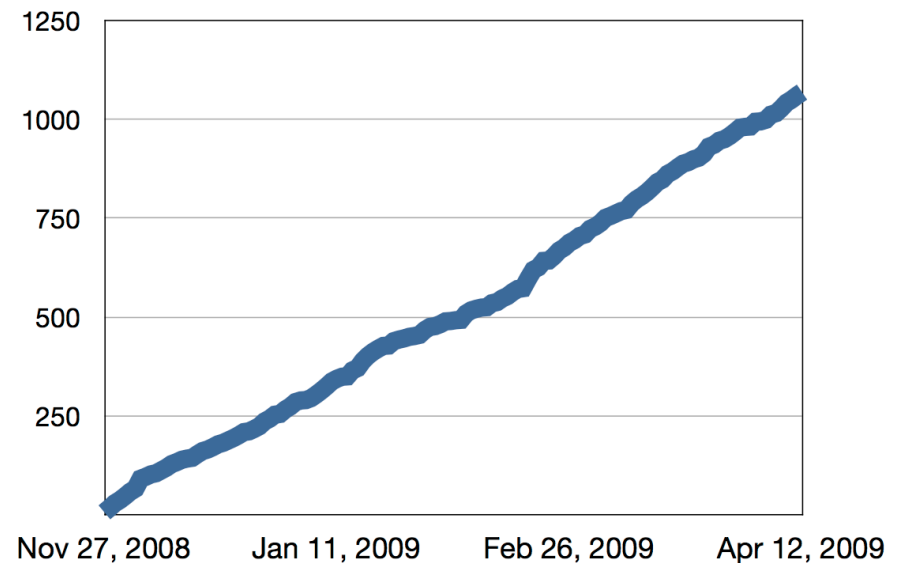
"The G1 survey process is realtime as opposed to the paper forms where we had to wait for a month to be picked up by AppLab."

-- SPO

"I'd say Surveyor has probably put us off paper for good!"

-- Country Director

Number of Surveys Submitted over Time



Demo Video



Upcoming deployment

- **Partner:** AMPATH/OpenMRS in Eldoret, Kenya
- **Application:** HIV home counseling and testing
- **Scale:** 300 devices being used to counsel two million people over two years.
- **Goal:** Evaluate scalability of client and server as well as flexibility of code base for local developers. Building connector to OpenMRS.

<http://go/odk>

Developers Wanted