



Open Data Kit (ODK)

Enabling timely and efficient data collection on cell phones

Open Data Kit (ODK) is an open source suite of tools that enables data collection on mobile phones and data submission to a central server.

ODK streamlines data collection in the field by replacing the traditional paper survey, camera, audio recorder and GPS unit with a mobile phone and a web based server.

By leveraging Google's open source Android platform and scalable App Engine web service, ODK allows capture, submission, storage and reporting on data as diverse as text, video, audio, images, barcodes, and GPS readings.

ODK tools provide:

- Modular and customizable design so tools can be composed into appropriate arrangements for each deployment
- Open interfaces and standards to prevent "siloed" solutions
- Data collection tools which evolve easily with technology
- An open source community to guide the project

ODK has diverse applications ranging from monitoring deforestation to community healthcare to facilitating access to agricultural knowledge.



AMPATH is the largest HIV treatment program in sub-Saharan Africa and is Kenya's most comprehensive initiative to combat HIV. ODK Collect is being used in a home-based testing and counseling program, and the collected data is submitted to a medical records system (OpenMRS) for analysis and follow up.



THE BRAZILIAN FOREST SERVICE is piloting Open Data Kit for in-situ monitoring of the Amazon rain forest to validate satellite imagery as well as deterring illegal logging. Workers will use ODK to build a tree inventory open to the public to help build awareness about forest concessions and their impact.



ODK Collect has been used by **GRAMEEN APPLAB's** shared phone operators (SPO) in rural Uganda collecting 1000s of surveys. SPOs survey their customers about available services and the results are used to guide products like Google's Clinic Finder and Farmer's Friend.

ODK COLLECT is a phone application that allows users to collect data easily and efficiently in the field.

ODK AGGREGATE is a web server that runs in the cloud to host forms and results, and allows extraction of data.

ODK MANAGE allows the remote management of multiple phones.

Open Data Kit is a result of Change, a group at the University of Washington exploring how technology can improve the lives of underserved populations in the developing world.



ODK is made possible through generous support from Google.

Find out more at <http://code.google.com/p/open-data-kit>