Mobile based data collection using Open Data Kit (ODK)

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Overview

- Free app for Android devices
- Website: http://www.opendatakit.org
- Hosts
 - project websites using Google's AppEngine
 - Includes online database of records
 - Online map interface
 - Or to webservers running Tomcat with MySQL or PostgreSQL databases
- Form Generator



About

- Open-source toolkit for field data collection. Mature and full-featured toolset to satisfy mobile data collection needs.
- Began in 2008 as a google.org project
- Moved to University of Washington as an independent project in 2009
- Initially funded by Google Focused Research Award



Why ODK???

- Prevent transcription and transfer errors.
- Seamless collation of data being collected by dispersed teams
- Standardized data collection processes
- Incorporate multimedia modes of data collection

Use of mobile phone eliminates need for separate sensors (GPS)

devices, camera etc.)



Components of ODK

- ODK Build Tools for authoring forms.
- ODK Collect Android app for collecting field data
 - Android app
 - Download forms/collect data
 - Upload data
- ODK Aggregate Store the field data and extract it to various formats
- ODK Briefcase Serverless and completely offline way to manage forms and data
- ODK Form Uploader
- ODK Validate
- ODK Sensors Framework



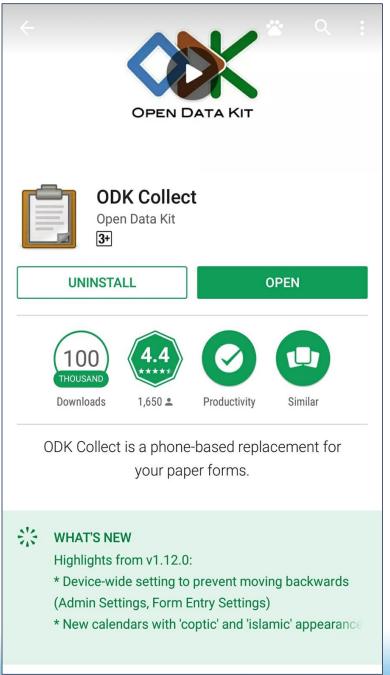
Use of Field Data

- Generating Understanding and Creating Baselines
- Monitoring Progress
- Evaluating Impact



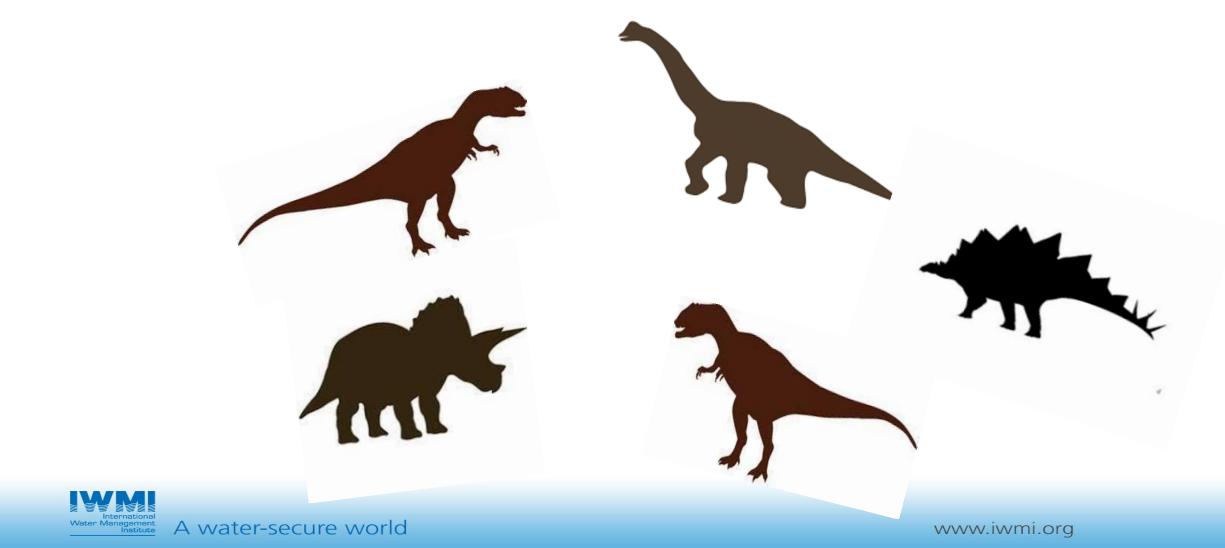
Where to find ODK App?

Install **ODK Collect** app for Google Play Store



A water-secure world

Field Exercise



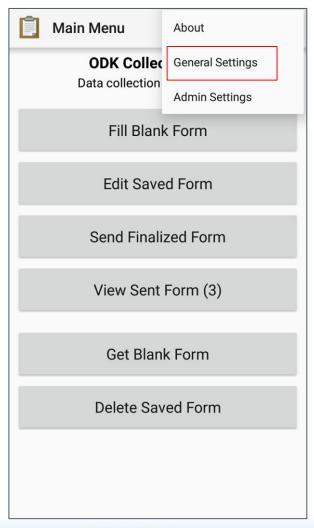
EXPECTATIONS

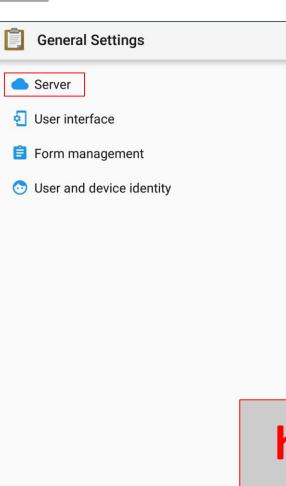




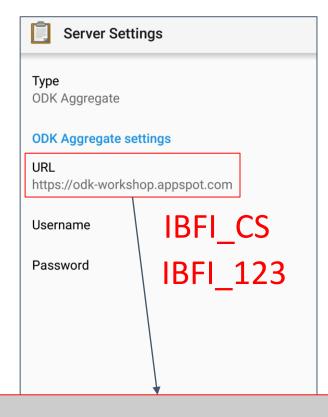


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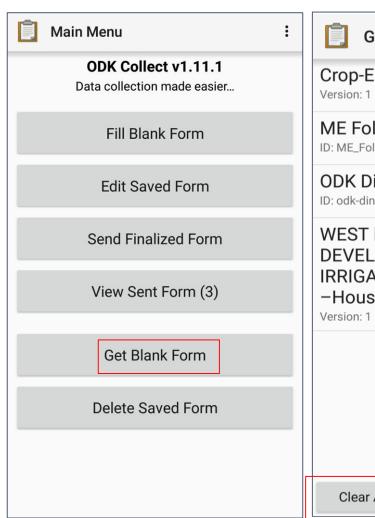


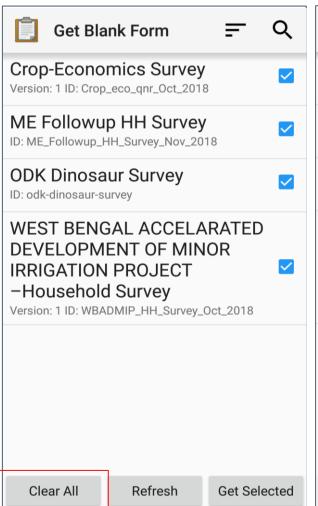


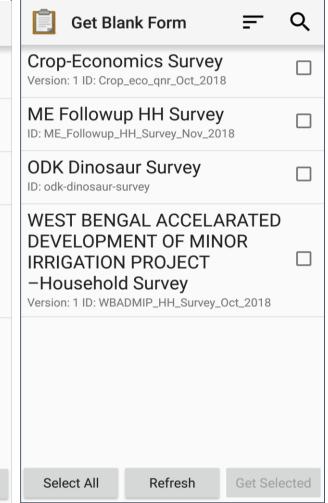
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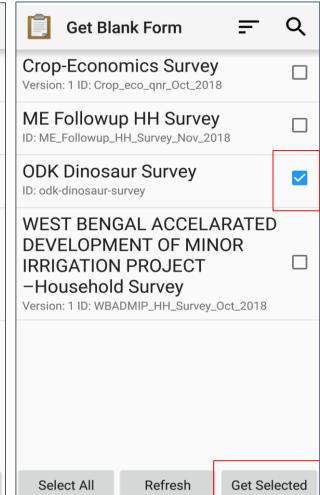


http://mdn.iwmi.org/odk



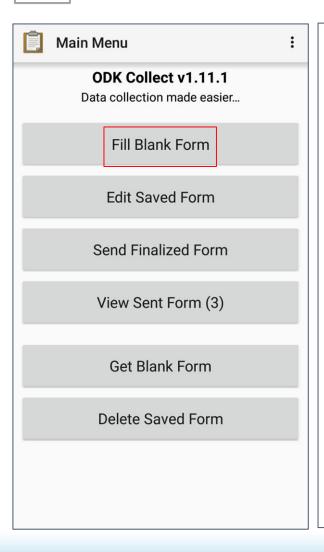






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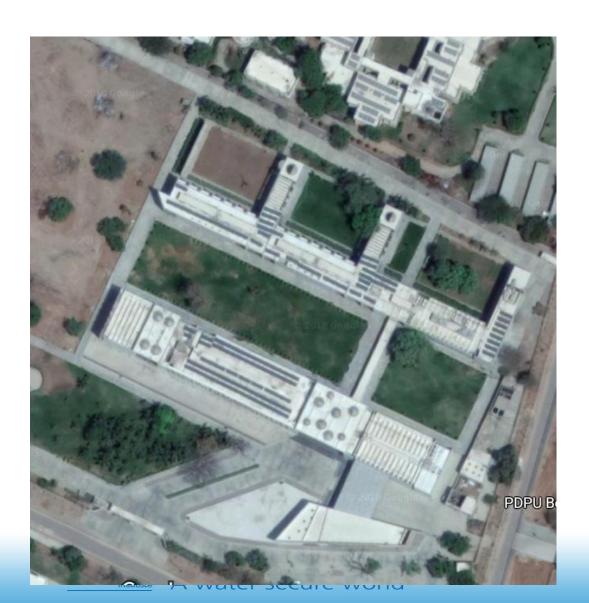


Field Exercise

- Divide yourselves into small groups.
- Walk around the parking lot looking for as many dinosaurs as you can
 - They can be very tricky!
- Fill out a form for each dinosaur sighting
- Once you have completed the data collection (up to 12 dinosaurs within 30 min), assemble back in this room



Where?



Tips:

- Enable location on your phone. You may have to wait for a few minutes to get the first GPS fix.
- You can press the 'Record Location' button if you wait for a few minutes and your accuracy doesn't improve.

