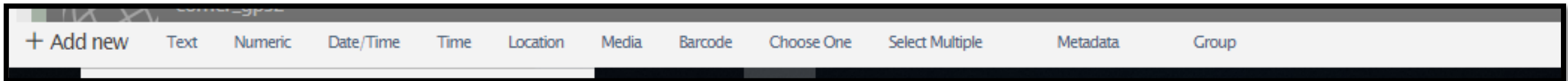


# How can Open Data Kit improve your research?

by Sarah Seehaver Eagen July 2019

- Free, Open Source, (opendatakit.org) **online form builder** for **collecting data offline, paperless**
- Creates stepwise logic questions to fill data
  - **Step-by step-Instruction**
  - Each step in survey would correspond with **column headers** in excel or database
  - Good for users new to protocols and for **controlled data entry from multiple users**
- Form can be pushed to an Android App (XML form)
- Form collects data into a central location, database
- Form creator chooses order and type of data that collectors are restricted to
  - ie: multiple choice question, number, barcode, geospatial, etc



Example of an **ODK Build Form** for GPS points, with multiple types of data.

Question 2 “Farm Code” Data Type: Text or Barcode

← → ↺ https://build.opendatakit.org/#undo

Apps SCCC Web Mailchimp | SCCC MyPack Portal Zoom https://brianwdavis... Trello ODK Build Our-Sci Web App Carts O92 CROWN on-farm tri...

CROWN GPS coordinates rename | File Edit View Help

For Whole Treatment area and Sensors  
GPS  
read only

Farm Code  
code  
required

Bare Treatment  
trt\_bare  
read only required

Bare Sensor GPS  
gps\_sensor\_bare

GPS the 4 corners of the Bare Treatment  
gps\_corners\_bare  
display on one screen

GPS Corner  
corner\_gps1

GPS Corner  
corner\_gps2

+ Add new

Text

Numeric

Date/Time

Time

Location

Media

Barcode

Choose One

Select Multiple

Metadata

Group

Signed in as saseehav. Sign out.

Properties

Data Name  
code

Label  
English  
Farm Code

Hint  
English  
Type your 3 Letter farm code (please in al

Default Value

☐ Read Only

☒ Required

Required Text  
English

☒ Length  
Minimum  
3  
Maximum  
3

Advanced

Information: Text

Collects textual information. Use this for names, long-form responses, and other free text information.

Editor's box

"Data Name" Uniform name in database (ie: code)

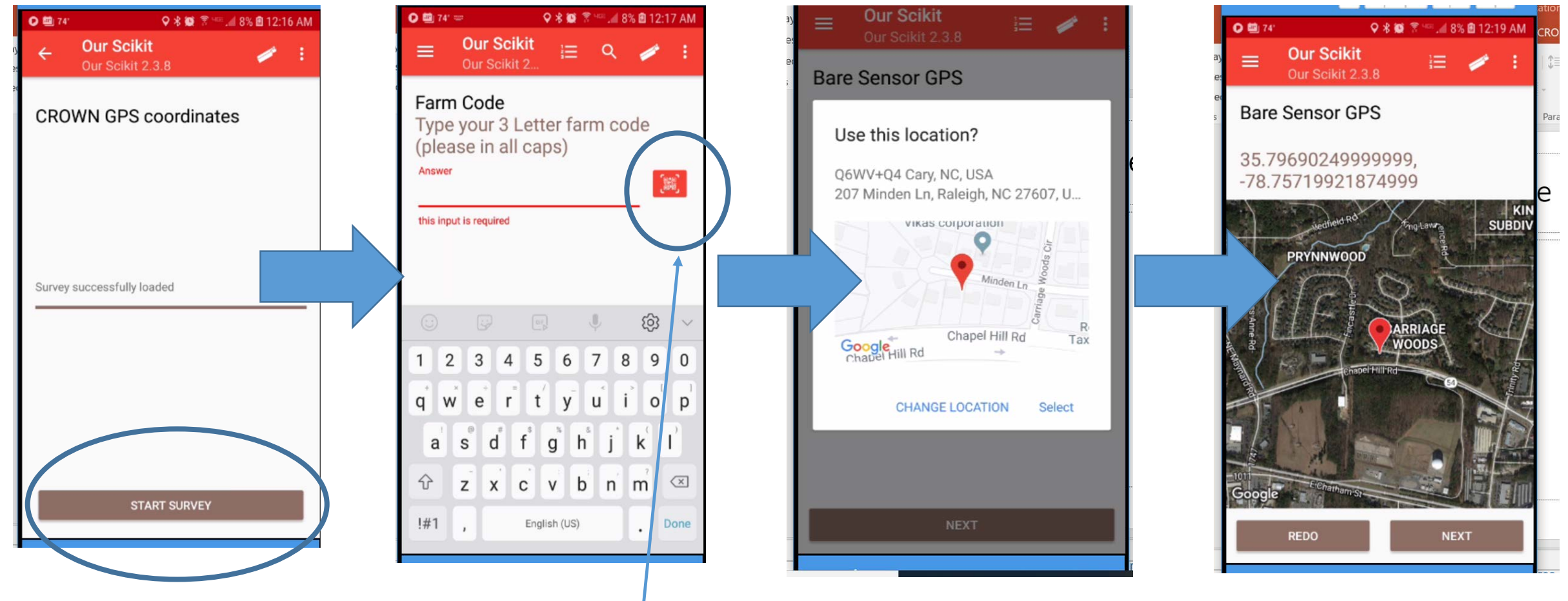
"Label" What is looks like in a form (ie: Farm Code)

"Hint" = Protocol Instructions

Add custom (ie: Required data)

More Restrictions (ie: must be 3 characters)

# What that ODK form looks like in an app, example Our Sci



Barcode scan with camera or USB scanner

# In ODK Build, Export XML form to survey tool/ app for Offline Data Collection in an Android App, Phone or Tablet

The image illustrates the process of exporting an XML form from ODK Build to an Android app for offline data collection.

**ODK Build Interface:** The top left shows the ODK Build web interface. A form titled "For Whole Treatment area and Sensors" is being edited. The "Export" dialog is open, showing the "Output XML" and a "Download" button.

**Forms List:** The top right shows a list of forms available in the ODK Collect app. The "Offline Forms" option is circled in blue, indicating the target for the export.

**ODK Collect App:** The bottom right shows two screenshots of the ODK Collect app. The left screenshot shows the "Our Scikit" app interface with a list of GPS corners. The right screenshot shows a "Survey not complete" error dialog, indicating that some required answers are missing. The "SEND" button is highlighted in blue, and a blue arrow points from it to the error dialog.

**Stores information until user has a Wi-Fi connection. Will alert if data is missing to resolve issues.**