

Field Papers <http://fieldpapers.org/>

Field Papers are a way to create maps for field data collection. Individuals target a study site, zoom in to the appropriate scale and can print an “atlas” of the gridded site. Base maps can be either OpenStreetMap or satellite imagery. The printed base maps can be taken out into the field for collecting data and writing notes. These maps can then be scanned or photographed to be uploaded to the computer. The *jpeg* (or whatever format the map is scanned) is uploaded to Field Papers and converted to a *geotiff* that is georeferenced. The data on the geotiff can be digitized for data generation and analysis.

Using Field Papers to Collect Data:

1. Create a login (not required)
2. Follow the steps in Field Papers for identifying your site and making an atlas. You have the option to select different base maps (for example, satellite imagery or OpenStreetMap).
3. Select the type of Field Paper you want: number and configuration of pages over your study area; with or without notes; with or without UTM grid.
4. An atlas will be rendered and can be downloaded as a PDF (there are other download options). Print out your atlas to take in the field.
5. The atlas comes with a QR code in the bottom right corner. 
6. Use the Field Papers in the field to collect data and write notes. You may also want to collect notes and attributes on a separate data sheet to keep things organized.
7. You have two options for getting the Field Paper with notes into your system for use:
 - Scan and save
 - Snap a photo with your Smart Phone (or other device) and email
8. Return to fieldpapers.org and upload your file. Field Papers will convert your data sheet to a geotiff that will be georeferenced and can be used with GIS software or in Open Street Map.

Once your atlas pages are uploaded into fieldpapers.org, you have different options for creating geospatial data from the points, lines, and/or polygons you sketched in the field.

Using Field Papers to Create Digital Data:

1. You can download your atlas page as a geotiff, a spatially referenced photo. You can work with this .tiff file in QGIS, digitizing the features you recorded and adding their attributes to create new feature layers.
2. You can use your field collected data to provide edits directly in Open Street Map. Once your image is uploaded you can choose to edit in id (online OSM editor) or JSOM (desktop OSM editor). Your spatially referenced atlas pages will be overlaid with OSM data so you can add your collected points, lines, or polygons and their attributes and save them immediately in the OSM database. *Note: editing in OSM does require a user login that you can create for free.*