Title of template

**Skill level needed:**Basic/Intermediate/Advanced

**Sample designs supported:**

1, 2, 3, 4, 5, 6

Designing and Implementing Gridded Population Surveys

**gridpopsurvey.com**

**D1. Map production – Map Campaigner**

Last updated: Aug 2022

**Prepare simple OpenStreetMap field maps in Map Campaigner**

## Example: Nepal

**Motivation:** Map Campaigner is designed for OpenStreetMap mapping teams to implement a building and/or infrastructure census in one or more small areas. As part of their workflow, field team coordinators use Map Campaigner to generate basic A4 paper field maps with the OpenStreetMap base map for each small area. We advise survey teams without GIS skills to use this tool to generate field maps showing PSU boundaries over roads and buildings. Given that roads and buildings might be incompletely mapped in OpenStreetMap, this tutorial is best paired with tutorial D2 to update OpenStreetMap based on satellite imagery before PSU map production. However, read Section 2.1.2.3. before using this approach to ensure you understand the potential risks to respondent anonymity. A benefit of Map Campaigner is the ability to batch produce PSU maps, though non-GIS users can alternatively use Google Earth to produce field maps (see Tutorial D3).

**Example:** In this example, we have a zipped shapefile of PSU boundaries in Kathmandu Valley, Nepal. The file was generated by GridSample, and represents “small” GridEZ units which are often a single ~100x100 m grid cell.

**MapCampaigner does not allow any customization of maps (e.g. changing zoom level), and requires the PSU boundaries to be formatted as a geoJSON file or zipped shapefile. If your PSU boundaries are in another file format, you can use iGISmap converter for free (**[**https://map.igismap.com/converter**](https://map.igismap.com/converter)**). Do NOT use this tutorial if your team needs paper field maps with satellite imagery base maps, or if you have GIS skills (in which case, use Tutorials D3 or D4).**

**Steps:**

1. Navigate to Map Campaigner (<https://campaigns.hotosm.org/>), and login using your OpenStreetMap account (register for a free OpenStreetMap account, if needed, by following the prompts).
2. Select the Create button  to start a new survey project (i.e., “campaign”), complete the fields as prompted, and select Next when done. On the “Features & Attributes” tab, select “buildings”.
   1. For survey Designs 1 and 2, which are characterized by separate visits to the field for listing and interviews, the listing team may use Map Campaigner’s full capabilities to map all buildings (located within PSUs) in OpenStreetMap. See Tutorial D2 and <https://campaigns.hotosm.org/learn>.
   2. If your team will NOT use Map Campaigner to update features in OpenStreetMap, it does not matter which feature you add on the “Features & Attributes” tab.

Graphical user interface

Description automatically generated

1. After selecting the “Submit” button on the “Settings” tab, Map Campaigner will generate an A4 PDF map of each PSU over OpenStreetMap. Select the “Download PDF Atlas” button to access the PDF field maps. Note that the tool may renumber PSUs (called AOIs – or Areas of Interest) from 1 to *n* based on their order in the GeoJSON/shapefile that was uploaded. Below is an example output PDF map.

Map

Description automatically generated

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