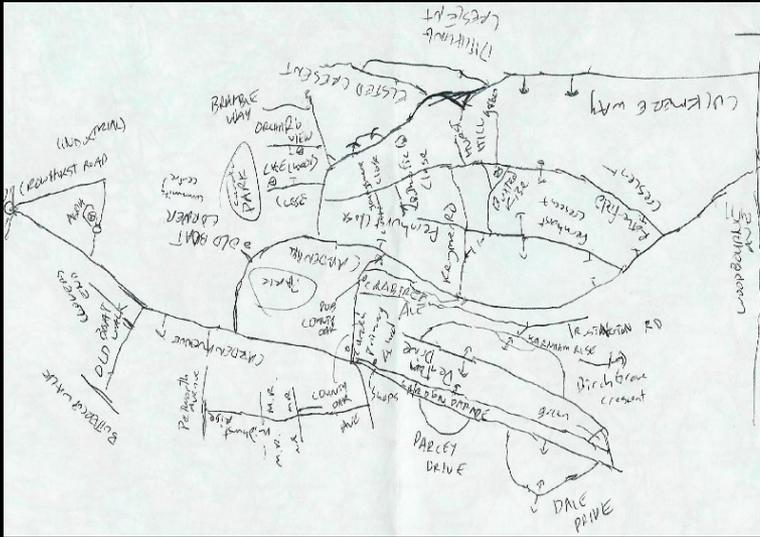
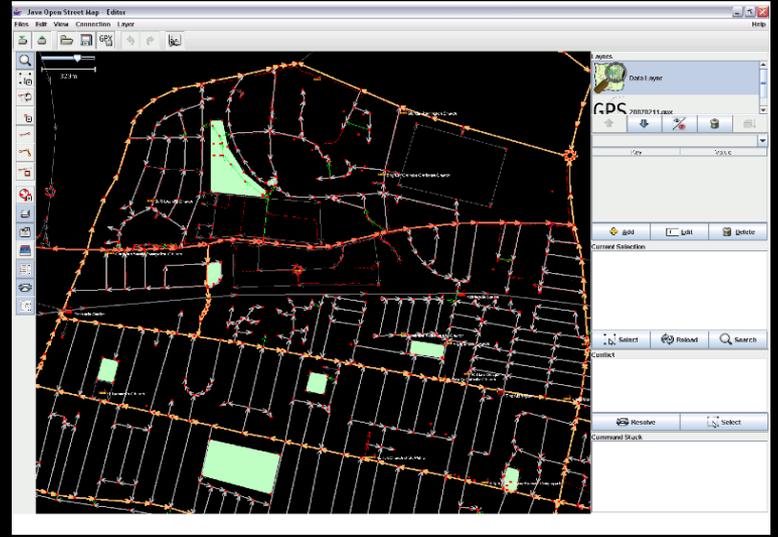


# OpenAerialMap

FOSS4G 2011

Schuyler Erle  
@schuyler

OpenAerialMap



# Haiti Crisis Map - Telascience



Map

Old UAV Map

Layer List

Contributors

Navigate Map

MGRS PDFs

Gazetteer By Grid

Click to Show Location

Edit Layer

## Tools

Address:

Show

(Powered by OSM, can also enter MGRS.)

Map Layers



### Base Layers

- Satellite/Aerial Imagery
- OpenStreetMap (Haiti)

### OSM Overlays

- OpenStreetEmergencies
- OpenStreetBugs
- OSM Roads Overlay
- Damage/Ref Camps

### Image Overlays

- WFP Logistics (01-28)
- 6K Delta State PDFs (Click for link)

### Ushahidi Overlays

- Latest 100 Incidents

### Sahana Overlays

- Offices
- Hospitals

### Drone-style Overlays

- Topo Maps



Scale = 1 : 433K

[Edit in OSM](#)

[Permalink](#)

-72.38059, 18.44268 / MGRS: 18QYF7641



# How to Enable Crowdsourced Image Digitization

- Download the imagery
- Put it somewhere on the 'Net
- Reproject (if necessary)
- Reformat
- ...

# How to Enable Crowdsourced Image Digitization

- Download the imagery
- Put it somewhere on the 'Net
- Reproject (if necessary)
- Reformat
- Configure WMS
- Configure image tiles
- Publish URLs (on a wiki)
- Repeat (until eyes won't stay open)  
(or you run out of imagery)

a misplaced

*sudo rm -rf \**

can ruin

your whole country

## Helium

\$30 per cylinder,  
2-3 flights

## 2 Trash bags

95 gallons, \$2 each

## Kite

Sutton Flowform 16, \$100  
or build your own for <\$1

## Tape

Duct and clear  
packing tape, \$3

## Sticks

1/2 cm, 15 cm long

## A complete grassroots mapping kit

Make your own 'satellite' for as little as \$100: [GrassrootsMapping.org](http://GrassrootsMapping.org) »

## Clips

Carabiners or  
key rings, <\$3

## String

Cotton, \$1

## Scissors

Or a knife

## Canon camera

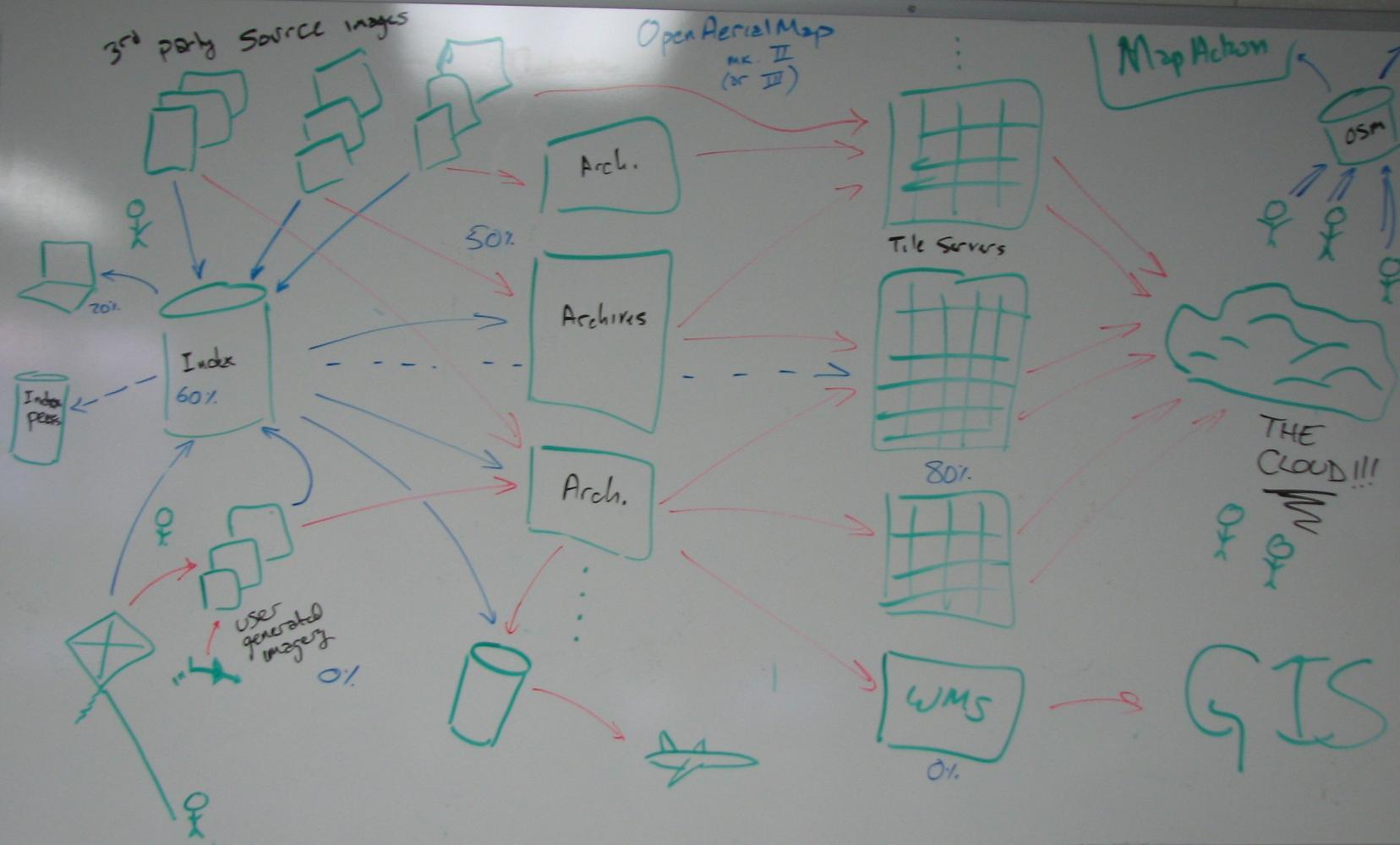
\$45 on eBay

## Reel

For electric cables, \$15  
Or use a stick

## Kite String

200-400 meters, medium-  
weight nylon, \$6



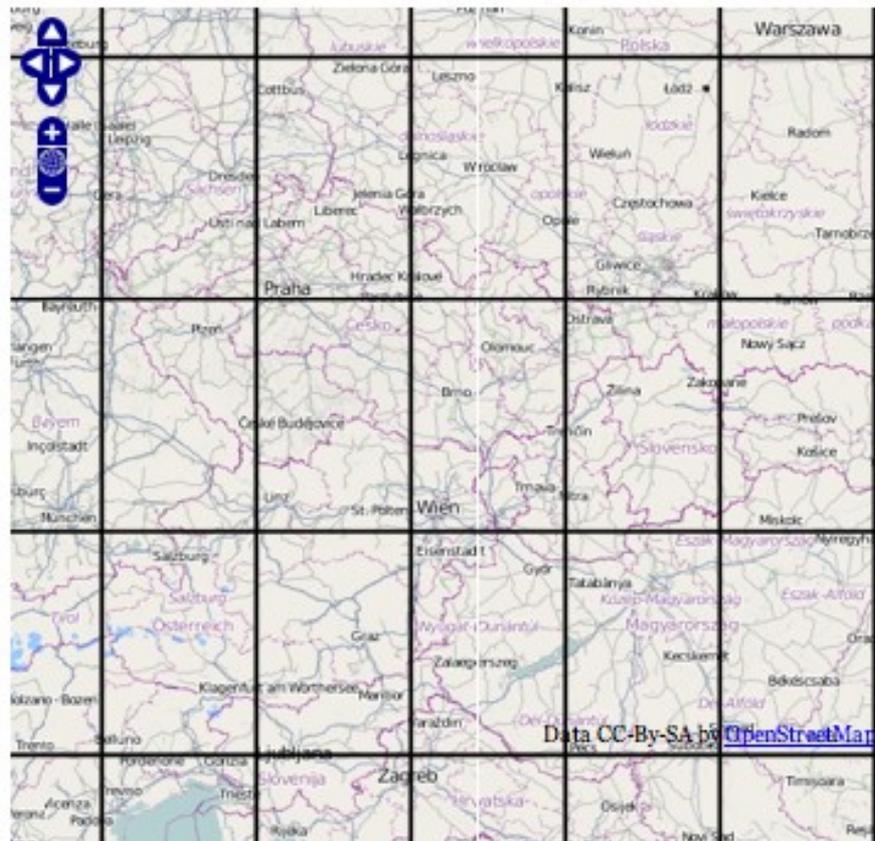
<https://...>  
 v. C  
 p. C  
 A

# Infrastructure

- Catalog
- Storage
- Delivery

# OpenAerialMap

[Browse Layers](#) [Create New Layer](#)



## Recently Uploaded Images

[118400, CC-BY](#)  
51.7453, 19.8203 ([map](#))

[118399, Public Domain](#)  
67.0000, -83.0000 ([map](#))

[118398, Public Domain](#)  
53.0000, 51.0000 ([map](#))

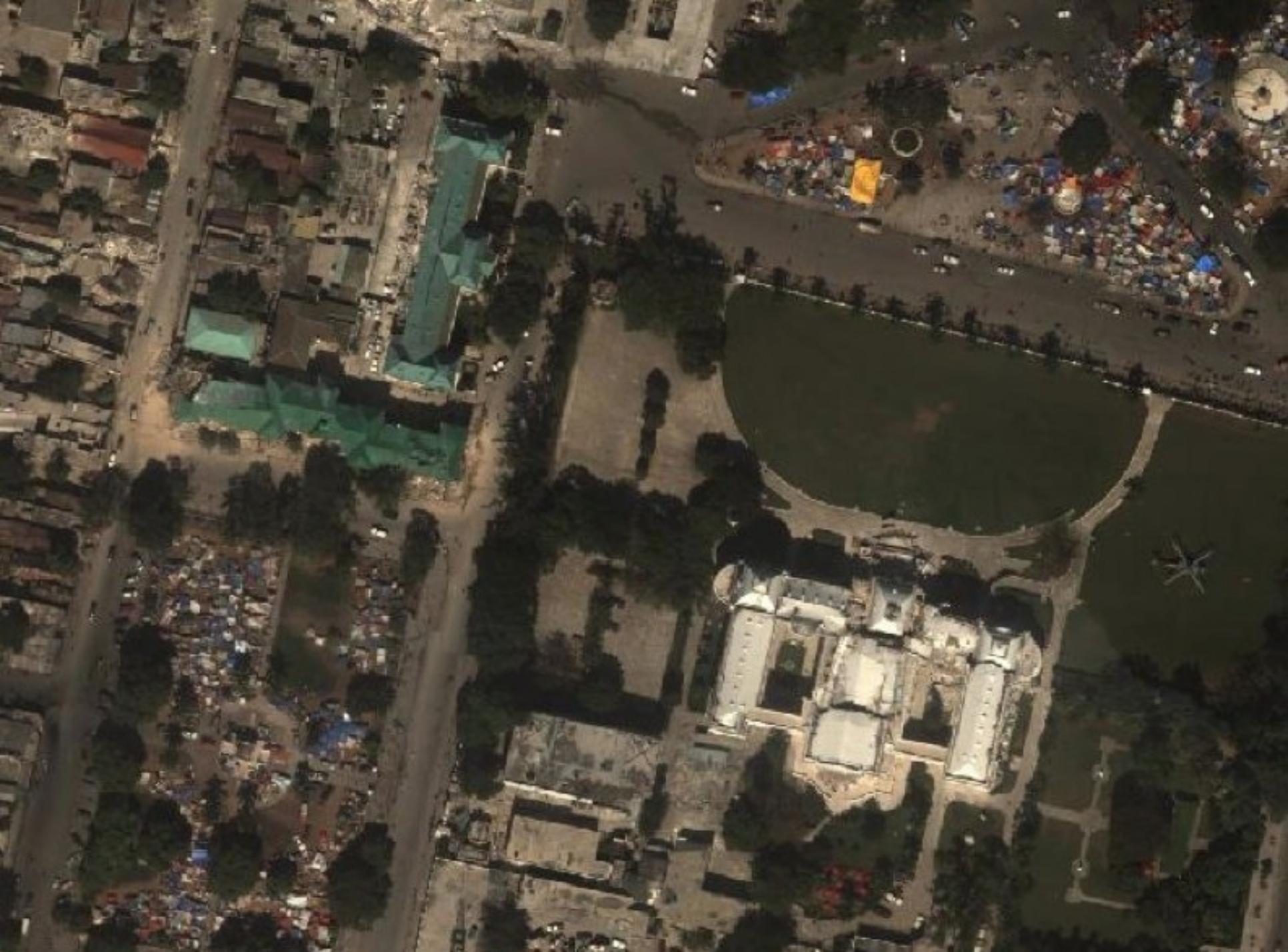
[118397, Public Domain](#)  
71.0000, 159.0000 ([map](#))

[118396, Public Domain](#)  
63.0000, 101.0000 ([map](#))

[118395, Public Domain](#)  
-3.0000, -75.0000 ([map](#))

[118394, Public Domain](#)  
29.0000, -77.0000 ([map](#))





REDUNDANCY  
Never too much of a good thing!

[motifake.com](http://motifake.com)

Redundant Redundancy Is Redundant

[motifake.com](http://motifake.com)

# How to Enable Crowdsourced Image Digitization (with OAM)

- Download the imagery
- Put it on OAM
- Reproject (if necessary)
- Reformat
- Configure WMS
- Configure image tiles
- Publish URLs (on a wiki)
- Repeat (until eyes won't stay open)  
(or you run out of imagery)

source  
partnerships

storage  
partnerships

user

partnerships



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