

Tuesday, January 29th

Edwin: Can we chat? We just had a project mapping MV line come up for Indonesia in the past few hours...

Chris: I'm on my way into the lab...I'll be available in about an hour.

At that point, our timeline scales were slightly off...

Edwin:	6pm	7pm	8pm	9pm	...
Chris:	Week 1	Week 2	Week 3	Week 4	...

Goals

Primary:

Capture the existing Medium Voltage grid for input into NetworkPlanner

Secondary:

Define a system for ongoing capture and maintenance of grid data

OpenStreetMap

Virtues:

- Topological Model: Nodes, Ways and Relations

- Flexibility via Tags

- Versioned

- Open

- Loads of existing data and tools

Issues:

- Open license might not fly

- Technical uncertainty

Approach 1: The Black Hole

Points via FormHub, Lines via OSMTracker (GPS)



Best Practices, Dropbox



Ill-Defined Processing

Approach 2: Frankenstein

Points via FormHub, Lines via OSMTracker (GPS)



Synchronization, JOSM



Private Instance of OpenStreetMaps (plngridmaps.modilabs.org)

Results

Numbers (toward our Primary Goal):

- 700 km of mv grid digitized

- Average of about 50 km of mv grid captured per day

- 2357 km of mv grid managed

The System (toward our Secondary Goal):

- Still not pretty, but effective and improvements to come