

GIS AND

OPEN SOURCE

H.S.Rai

Usage

managing various:

- natural resources
- man-made resources

GIS is every where, used by all

Geo-spatial Data

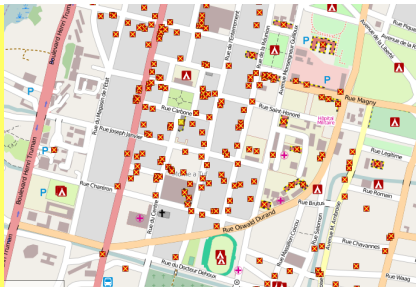
- Government agencies
- Companies
- Community generated

Most maps you think of as free actually have legal or technical restrictions on their use, holding back people from using them in creative, productive, or unexpected ways.

OpenStreetMap



OpenStreetMap creates and provides free geographic data such as street maps to anyone who wants them.



1: Damaged building: Haiti EQ



2: OSM map on GPS

Thanks

"Many thanks Freddy. Very timely maps of Haiti that sent me to the Garmin. I went down and installed the GPS in our search and rescue teams. OSM undoubtedly be a great help to our response teams, especially those going to move to rural areas." Colombian search and rescue operators

<http://www.inveneo.org/?q=haiti-wifi-network>

We've been given coordinates that are miles off the actual location, a real issue when street signs are missing, landmarks are destroyed and the city has a dusk curfew.

"This is where OpenStreetMap is a godsend" in How to Deploy Long-Distance WiFi in Haiti (2010-02-10) by

Inveneo, a NGO whose mission is connecting those who need it most, on how they were able to bring high-speed Internet access - critical communication capacity - to eleven relief agency locations with minimal equipment and installation time.

Best of OSM

<http://bestofosm.org/>

India: IT Super power

How to accept it?

What is the percentage of Indian software on our Computer?

Be developers, not only users.

There are plenty of software in many fields, including GIS, which can be used to solve problems pertaining to respective fields. If students are not exposing themselves to OS, they are missing a big opportunity to get excellent training.

If any company is not using Opensource, then it is not taking a well informed decision. Company is not getting value on his return.

Thanks

Suggestions / Questions /
Comments at: hsrai@gndec.ac.in