SUSTAINABLE ACCESS TO LAND EQUALITY (SALE) PROJECT

Report of the Open Street Map ToT
Elenga Resort
20th -21st July, 2014

EUROPEAN UNION

Uttaran

care

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promoting human rights and good governance

Introduction

On 20th -21st July, 2014 Uttaran was organized a training of trainers (ToT) on Open Street Map for the volunteer group at Elenga Resort in Tangail by the technical support from the World Bank. Fifteen participants from various department in different university such as Urban and Regional Planning from Rajshahi University of Engineering and Technology, Disaster Management from Patuakhali Science and Technology University, Master's in Urban and Regional Planning from Bangladesh University of Engineering and Technology, and Geography from National University and so on while two facilitators and were joined ToT program as the volunteer of Uttaran. It was two days training on data collection, processing and uses of OSM and GPS in community level. After receiving ToT volunteer will arrange and provide training to the field level volunteer and support to work in OSM by using online and offline data collection procedure.

Objective:

The overall objective of the project is to strengthen the youth capacity for protecting public lands through open street mapping. The specific objectives are as follows;
  a) To develop the youth capacity on open street map system
  b) To generate a voluntary map with information of public structure and khasland

Welcome Speech by UTTARAN Official & Introducing everyone

Mr. Jahidul Ahsan, Monitoring and Evaluation Officer of SALE project in his addressing remarks the goal, objective, working area, target group, main stakeholder, and expected outcome of SALE (Sustainable Access to Land Equality). He also discussed about the project activities of SALE project. Then a introducing session was took place.

What is Map and it's Components

The main session of ToT program was started by Mr. Ahasanul Hoque, Consultant of World Bank. He started his session by what is mapping, importance of mapping, building of mapping, processing of mapping, presentation of mapping and finally uses of mapping. He said that mapping is a good way to convey information. Maps are visual symbols of our world. They can often demonstrate an idea better than words. The priority or importance of work can be categories by a map within a short time than any text. He also discussed on longitude and latitude as well as main components of mapping such as north sign, map scale etc.

What is OSM

Mr. Ahsanul Hoque in his presentation mentioned that OSM is a collaborative project to create a free editable map of the world. Two major driving forces behind the establishment and growth of OSM have been restrictions on use or availability of map information across much of the world and the advent of inexpensive portable satellite navigation devices. He also mentioned that it created by Steve Coast in the UK in 2004, since then, it has grown as of July, 2014 to over 1.7 million registered users. This crowd sourced data is then made available under the Open Database License. The site is supported by the OpenStreetMap Foundation, a non-profit organization registered in England.

Signing Up OSM ID; ID Introduction

Mr. Mominul Hoque, Lecturer of Brac University was facilitated how to join the OSM community, He remarked that before to contribute or work to OSM is need to sign up and agree to share contributions under OpenStreetMap's license. This ensures that the data stays free for everyone and that changes can be attributed to specific sources. He discussed total procedure for sign up in step by step.

Editing & Data Adding in OSM using ID

The iD editor is the new (launched 2013) web-based OpenStreetMap editor which makes it easy to edit OpenStreetMap. iD is fast and easy, and allows to map using various data sources such as satellite imagery, GPS, and Field Papers.

The iD editor is a great way to edit when we want to make small and easy changes, and don't

require all the complexity of JOSM. This chapter demonstrates the basics of editing with iD. The procedure of data collection, upload and editing are given bellow

Starting the ID editor one Need to follow the followings:
  ➢ To use ID need to be connected to the internet.
  ➢ To open internet browser and then go to the OpenStreetMap website at http://www.openstreetmap.org.
  ➢ Log in using OpenStreetMap account
  ➢ Pan and zoom the map to the area that want to edit.
  ➢ Click on the small arrow next to Edit. Then click Edit with ID (in-browser editor)
  ➢ Then edit map by using various panel like feature panel, map panel etc.

CONFIGURING THE BACKGROUND LAYER
Before you start editing, you can change the background layer.
  ➢ Click the Background settings button.
  ➢ Some panel will show
  ➢ change the brightness level by clicking one of these boxes

To upload GPS data the following rules should be follow
  1. Go to the main OSM page.
  2. Login (need an OSM account by signing up here).
  3. Click "GPS traces" along the top.
  4. Click on "See just your traces, or upload a trace".
  5. In the 3 boxes at the top do the following:
  1. Find and select the file to upload (it should be .gpx format)
  2. Name the file.
  3. Add helpful tags that can be used to find it such as "London UK" (each word is a tag in itself, so Isle of Wight should be "IOW" or "Isle-of-wight").
  6. If the data to be available to others (encouraged) tick the "Public?" box.
  7. Click "Upload".
  8. The data will now take a short while to be included into OSM. However, as soon the data uploaded.

Basic Editing with ID:

  1. To add a new point, click on the Point button.
  2. Your mouse cursor will change into plus (+) sign. Now, click on a position that you know to mark a location. For example, if you know that there is a hospital in your area, click on the hospital building.
  3. Notice that a new point is added. At the same time, the left panel will change to show a form where you can select attributes for the object. Click Hospital to tag the point as a hospital.
  4. You can use the forms to fill detail information about your point. You can fill hospital name, address, and/or other additional information. Note that each feature will have different form, depending on what tag you choose from the feature panel.
  5. If you make a mistake, such as a wrong location, you can drag your point to a new location by holding the left mouse button on your point. Or, if you want to delete your point click the left mouse button on the point and then click the button which looks like a trashcan.

6.

What is Java OpenStreetMap Editor (JOSM)

Java OpenStreetMap Editor is a desktop editing application, written in Java. It runs on Windows, Mac OS and Linux. It supports loading stand alone GPX tracks and GPX track data from the OSM Database as well as loading and editing existing nodes, ways, metadata tags and relations from The OSM database.

To work with JOSM first is need to Download and install JOSM software by online, The JOSM download is need to Java Plug in software and virtual machine. The JOSM is mainly uses for included more information in an area.

Field Data Collection using filed paper

Mr. Ahasanul Hoque divided participants into four groups and he went to field (at the front yard of Elenga resort) with each group to collect data by using GPS where every participant ollected and collaborated GPS data. After collecting data of all group participants uploaded GPS data by using the ID editor option. In the next day Participants again divided into four groups for collecting data by using the Field paper from four different fields outside of Elenga Resort. All participants collect and adding data to OSM by using JOSM software.

Concluding Speech

Ms. Lipi Rahman, Head of Participatory Monitoring and Evaluation of SALE project in concluding remarked that it would be great work if we can completed it with more accuracy as well as we will be benefited by using OSM. She also said that the World is more informative and OSM is the important way for sharing information. Any one from anywhere user can uses data in his/ her interest. Finally she gives her thanks to all participants to present at the training.