

## **Tanintharyi Natural Resource Watch Portal**

**Tar Yar Maung** 

Community and NGOs' role in spatial data verification and validation Myanmar Spatial Data Platform Conference

17 May 2016

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**Project Overview** 



<u>Area</u> : Tanintharyi Region Pilot in Dawei – Large Scale Mining

### Target Issues

- Mining
- Forest
- Industrial Agriculture
- Energy
- Mega Development
- Fishery & Agriculture
- Others

### **Stakeholders**

- Agents : Local Communities and Local Civil societies
- Government : Natural resources and environmental conservation Ministry Other related ministry and government officials in Tanintharyi Academic sector : Myeik University, individual technical experts & Professional technician from international and national organization

## Why we start in Tanintharyi?



- Tanintharyi highest incident of land conflict in Myanmar
- Biodiversity forest and archipelago
- Conflict area KNU
- Highlight the issues
- Gov't not release any data spatial
- Information black hole (concessions etc)
- Touted for mega investment
  - o Coal
  - o Mining
  - o SEZ
  - $\circ$  Oil palm
  - o Tourism
  - o Etc

# Purposes



To create a space where data relating to land and resources can be crowd sourced and visualized.

To use as a monitoring and advocacy tool to put data in the public domain for taking action such as policy change

- Spatial data;
- Narrative data;
- Documents:

## **Remote Study objectives**



- Study on forest cover and deforestation
  - -Overall forest cover and forest cover change
  - -Identification of deforestation hotspots
  - -Patterns of deforestation
- Using open source tools

   Landsat Imagery
   Analysis in QGIS and R

Activities relating to setting up a system, integrating data



### **Spatial Data**

- Remote Sensing Work through Satellite Image
- Secondary Information from other organizations and government
- Other research and report as well as documentations by technicians
- **Crowd Sourcing**
- **Using Mobile Application**
- Using GPS for measuring land and mapping
- Using UVA/Drone for land mapping



## Remote sensing work with Smithsonian



3. Plantations, Mawdaung, Tanintharyi



4. Plantations, Lenya River, Tanintharyi



## **Technical Content**





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#### Tanintharyi Natural Resource Watch



#### Updates: Beaches near Dawei

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Dawei is a sleepy tropical town with a number of beautiful beaches in the vicinity. It has a long history of trade and features some interesting colonial architecture, with many old wooden, thatch-roofed bungalows and some brick and stucco mansions. Under British rule Dawei was known as Tavoy, and is still sometimes referred to by that name.

The Shwe Taung Zar Pagoda is the main religious site in Dawei, and is set in a charming little complex. The short walk from the centre of Dawei is also a pleasant one, following streets lined with colonial era-buildings. In the centre of town, the busy Si Pin Tharyar and Minagalar markets are worth a visit - they can be found opposite each other.

For a wider selection of photos, go to our Dawei Flickr photo album.

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**TNRTY Cover Boundary** 

# How does it work?



- Users input data into Android smartphone device when in the field
- This data is uploaded to the internet (instantly, or later)
- Data can be accessed on computers
- Data can be analyzed and shared with chosen audiences
- Data can be visualized on maps / Google Earth

### New results as a result of community engagement

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MSPP Area Map

#### **Oil Palm Concession Data**



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Legend Individual Landgrab Company Clear Land Concession Area Village

## TANINTHARYI NATURAL RESOURCE WATCH : TNRW









# Challenges and areas to coordinat collaborate

Security

- Dual Administration & Two different policies
- Very weak in Law Enforcement
- Lack of participation from government departments
- Lack of Transparency
- Limited Transportation
- No communication access ( Internet & phone )

## Upcoming activities/next steps



- Web Launching & Press Conference
- Advocacy to State ministry, parliament, government departments and related stakeholders
- Pilot in Dawei Mines for six months
- Expanding to other issues in Dawei District
- Expanding to Myeik & Kawtthaung District
- Consultation session with multi-stakeholders for upcoming issue
- **Reporting and Public Hearing Session**

# Opportunities



- Submission of credible, live data to (progressive) enforcement agencies relating to Natural Resources Issues such as;
  - Land conversion
  - Illegal logging
  - Mining Concession
- Visualizing data for a broader audience/media campaigns
- Visualizing impacts of spatial plan revisions
- Reduce the natural resource conflict issue through multi-stakeholder consultation approach
- Platform for public space to create public hearing session especially indigenous people



