

The Journey for Effective Governance in Myanmar

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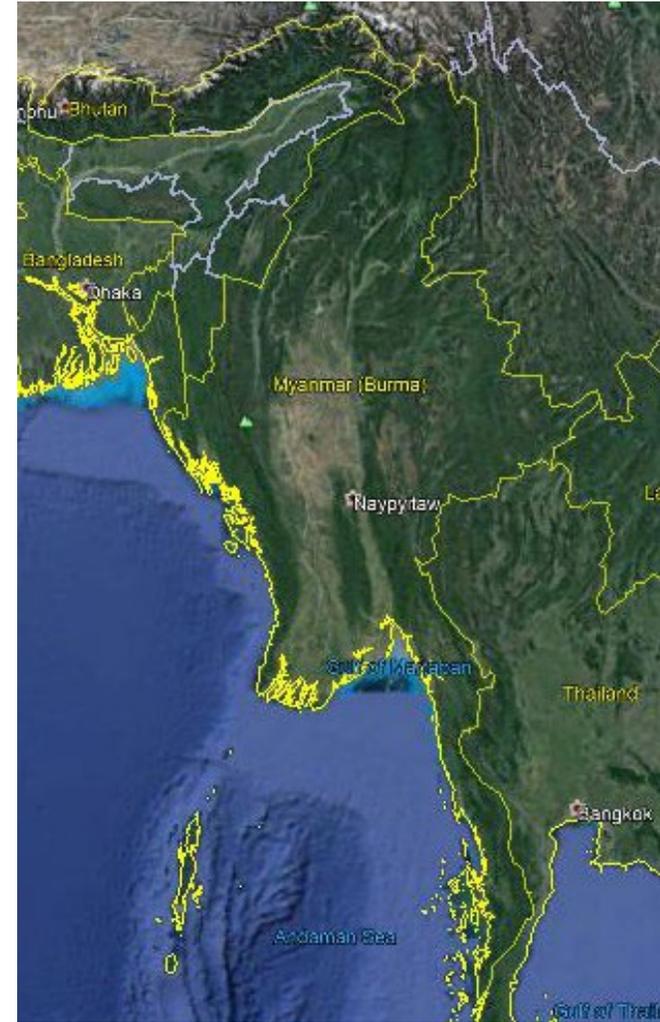
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Esri National Government
Executive Forum



Myanmar National Context

- Located in South East Asia covering an area of 676,552 km²; second largest by area in ASEAN
- Current Population- approximately 54 million, 75% rural (based on 2014 Population census) and over 100 national races
- GOM is undergoing rapid and deep transformation towards democratization and consolidating peace
- Weak in land governance needs to be strengthened with better harmonized spatial data



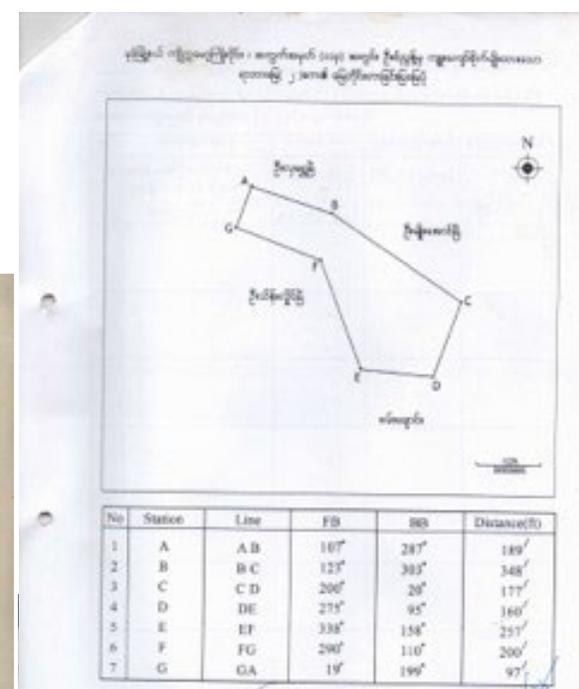
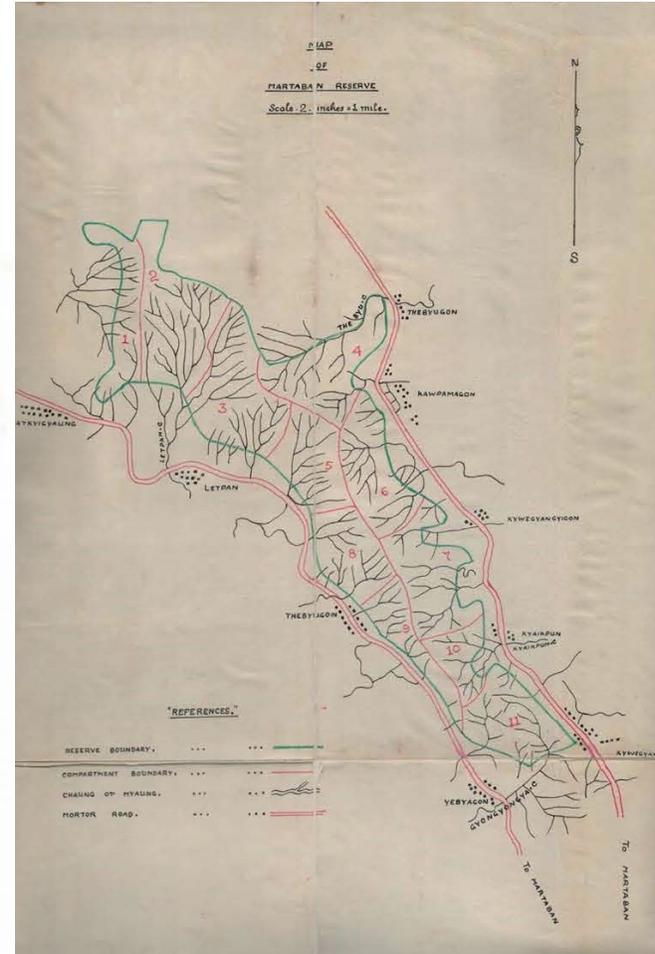
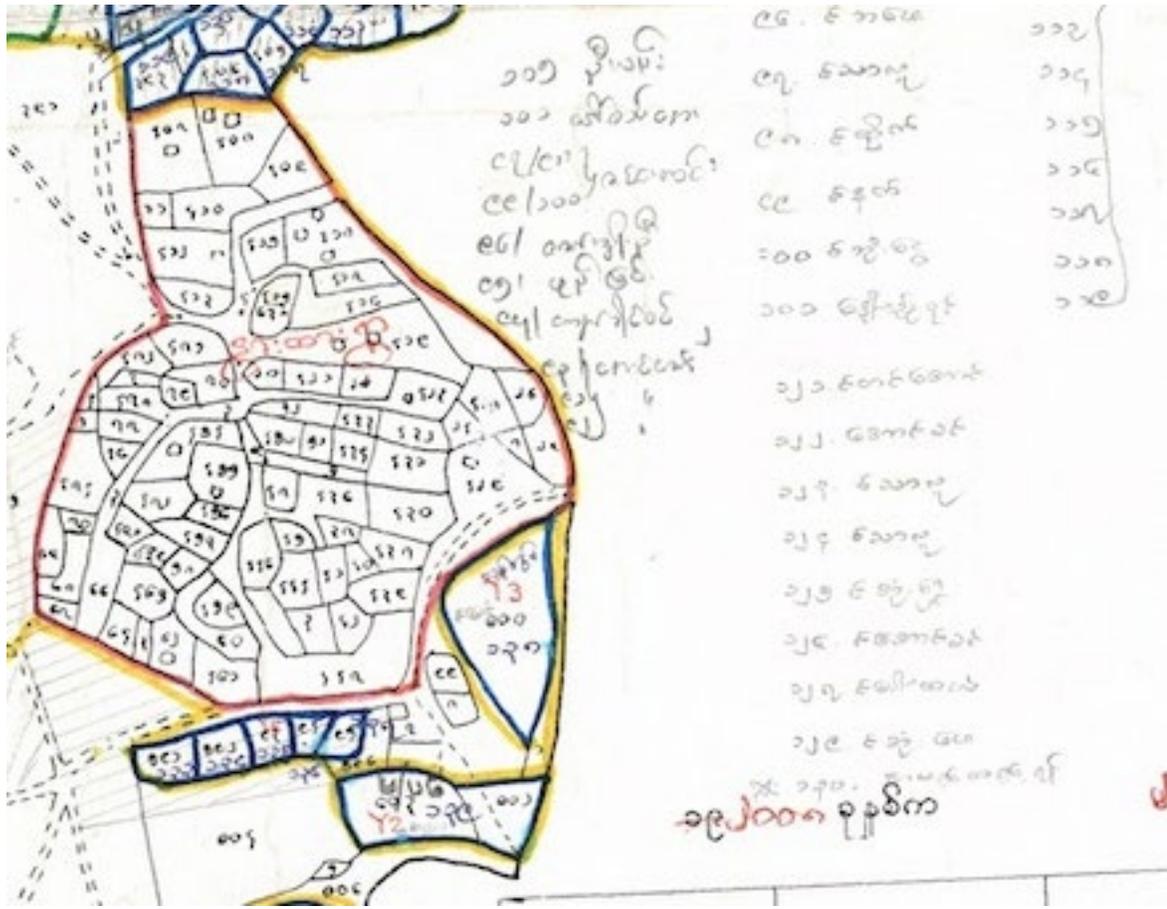


“OneMap Myanmar as a government initiative”
Where does it come from? Where does it go?
How does it function?



Major Issues

- Availability and accessibility
- Format and standards
- Quality and consistency
- Lack of data sharing





Introducing of OneMap Myanmar Concept

- Initiative of the Government of Myanmar during the time of National land use policy formulation process
- Agreed on the OneMap Myanmar Concept: One of the outcomes of the Workshop on Land Resources Management for Rural and Urban Development Projects (Nay Pyi Taw on 15th August, 2014)



OneMap is closely linked to the The National Land Use Policy

Parts II and III of the National Land Use Policy (2016) identifying needs:

- A single, **centralized land data management** system must be developed, to help systemically maintain **correct and accurate land cover maps**, land records and other land information
- Maps must be **converted in digital format** to facilitate **sharing, coordination and use by government departments and the public**
- **Coordination** between respective government agencies and local representatives must be improved in the drawing of maps
- All individuals, communities and organizations must **have equal rights to access accurate and complete information**
- Land tenure rights **recognized by the communities** must be integrated
- **Consultation and participation** must be integrated of land use mapping methods



OneMap Myanmar Vision and Mission

OneMap Myanmar Vision Statement

Our vision is for the people of Myanmar to engage in, and benefit from, inclusive and evidence-informed decision-making on development and land governance, enabled by access to data on people, land and natural resources.

OneMap Myanmar Mission Statement

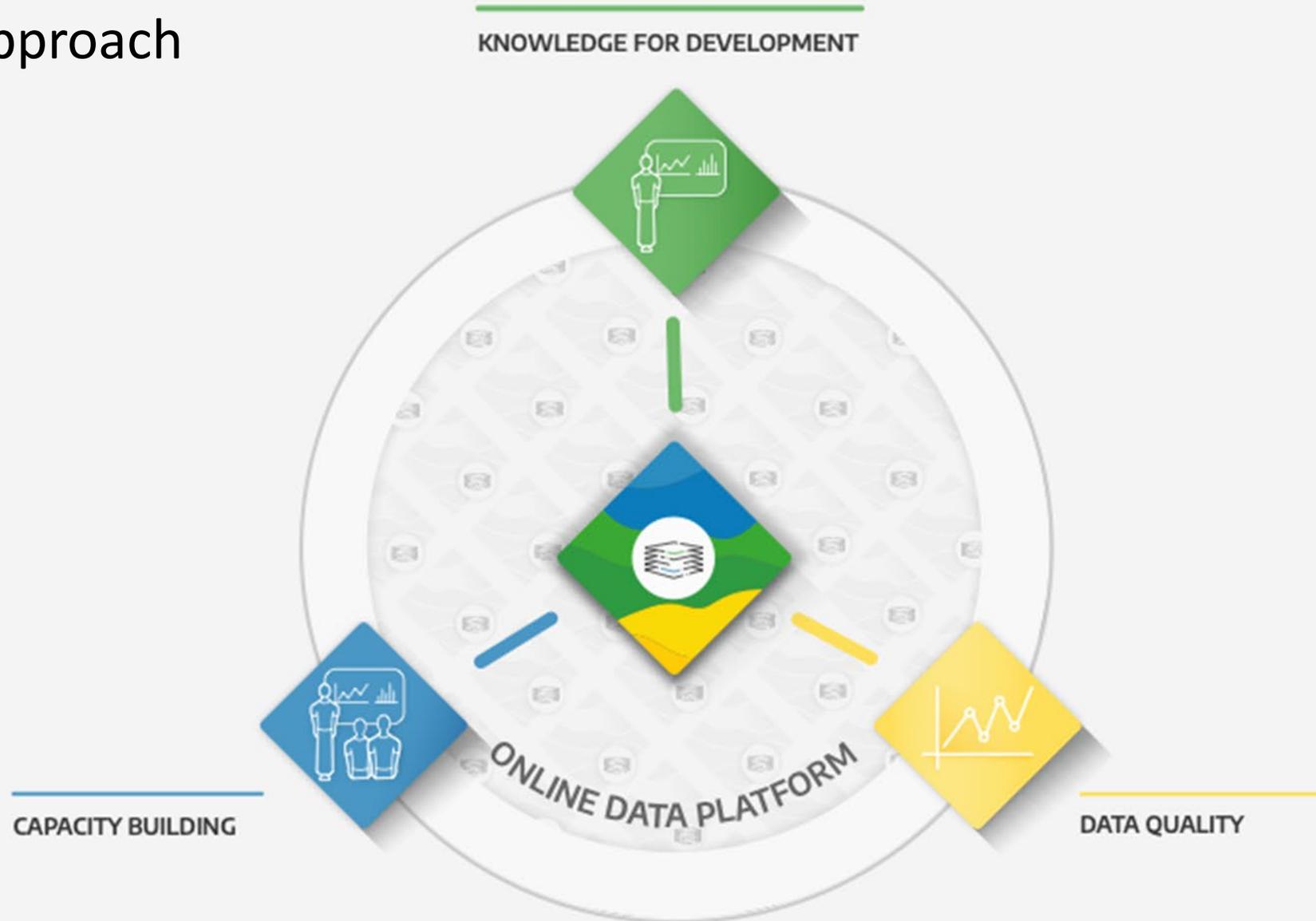
Our mission is to put data to work by:

- (1) strengthening capacities of government and civil society in the creation, use and management of geo-spatial data,
- (2) providing access to consolidated data on people, land and natural resources,
- (3) enabling informed multi-stakeholder dialogues, and
- (4) generating knowledge through research and analysis.



The OneMap Myanmar Initiative

Goals and approach



OneMap Myanmar Working Committee

Member Ministries, and others

Agriculture, Livestock and Irrigation
Natural Resources and Environmental Conservation
Religious Affairs and Culture
National Ethnic Affairs
Planning, Finance and Industry
Labor, Immigration and Population
Construction
Education
Office of the Union Government
Transport and Communications
Electricity and Energy
Defense
Social Welfare, Relief and Resettlement
3 City Development Councils
3 Civil Society Groups
3 Parliament Members from Ethnic Groups

Union Government

National Land Use Council

National Working Committee

Technical Assistance

Technical Working Group Policy

Technical Working Group Implementation

Technical Working Group Platform

OneMap Technical Unit

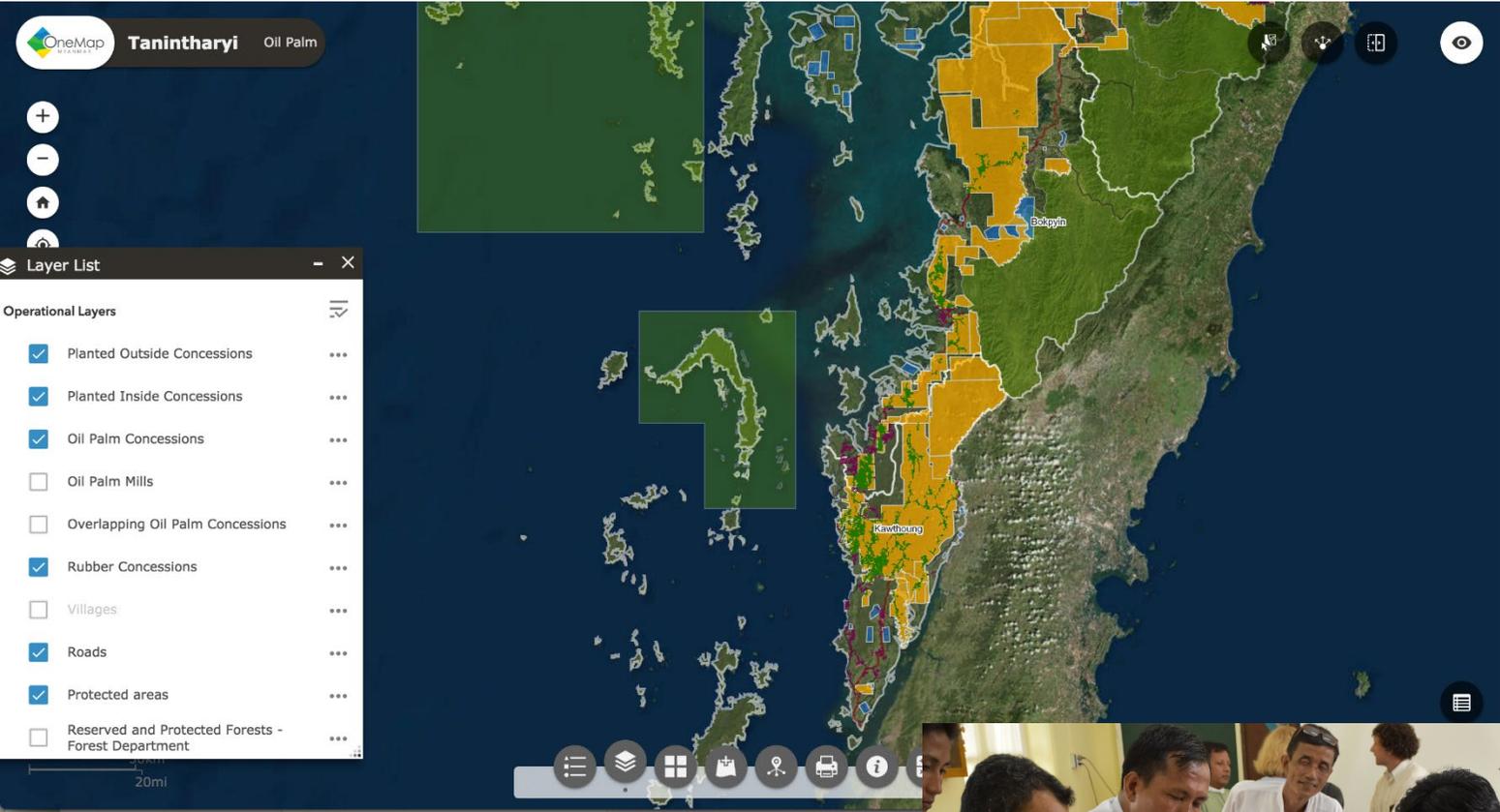


Where do we stand?

Phase	Start date	End date	achievements
Inception phase	06.2015	11.2015	Review approach/Priorities Set-up partnerships Submit project document
Main phase I (Establishment)	12.2015	06.2017	Start activities. Develop the portal. Release data sets and analysis
Main phase II (Expansion)	06.2017	06.2021	Expansion of approach to additional geographic areas, levels of government, and/or thematic scope
Phase III (Consolidation)	06.2021	06.2023	Consolidation and implementation of exit strategy



OMM Pilot Studies



Series of national workshops and symposiums

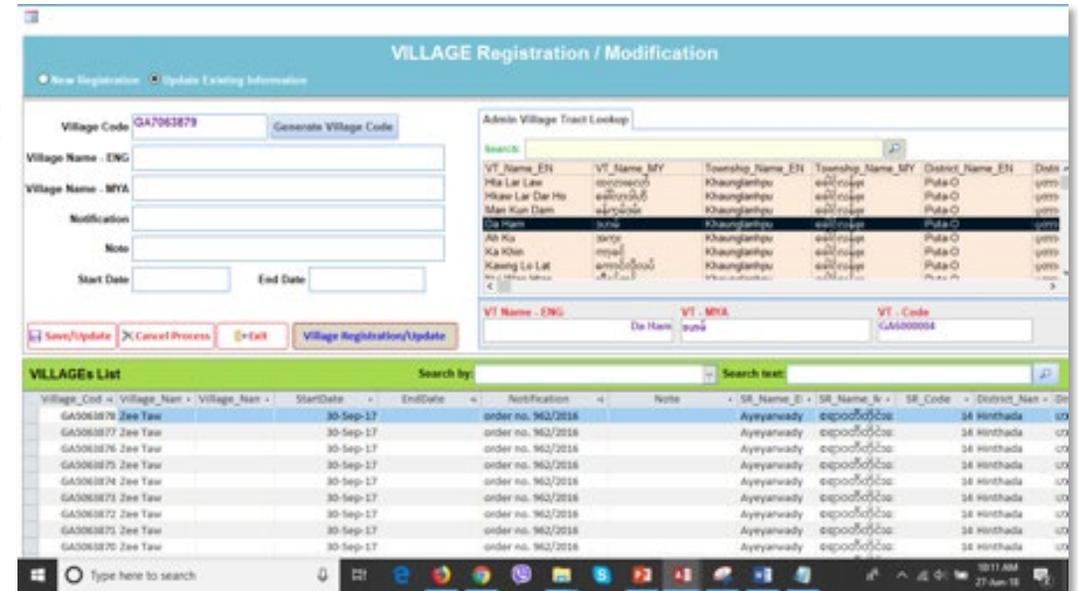


How OMM is working with Government?

Developing a standard administrative unit and village database

General Administration Department

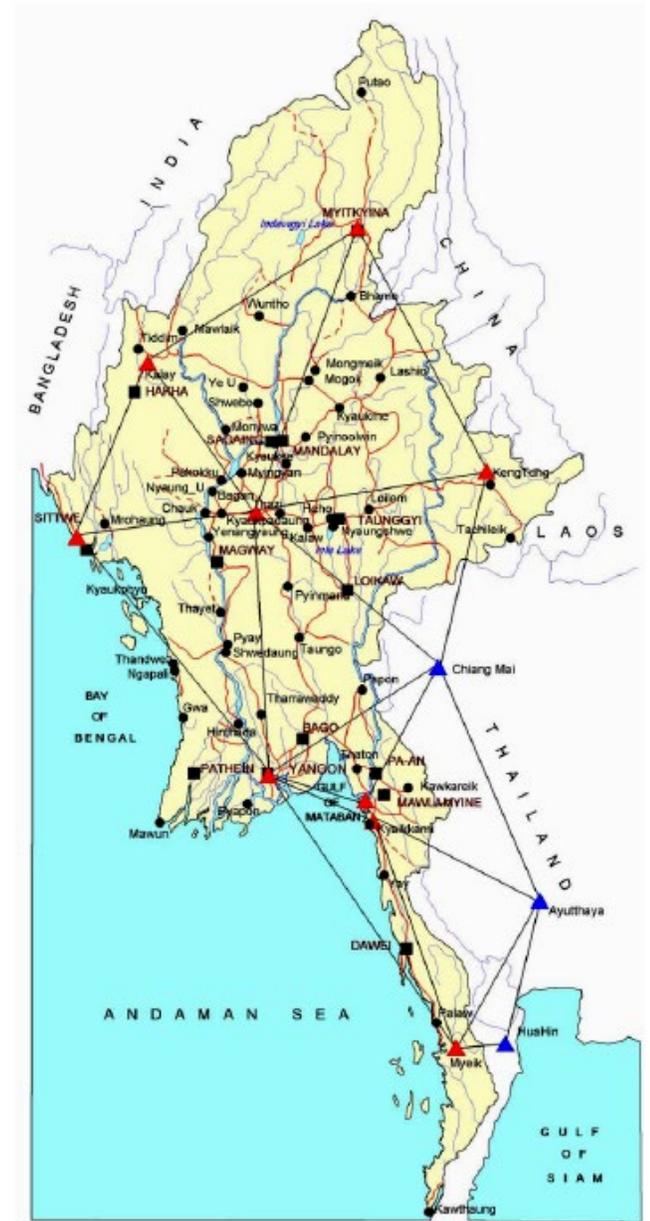
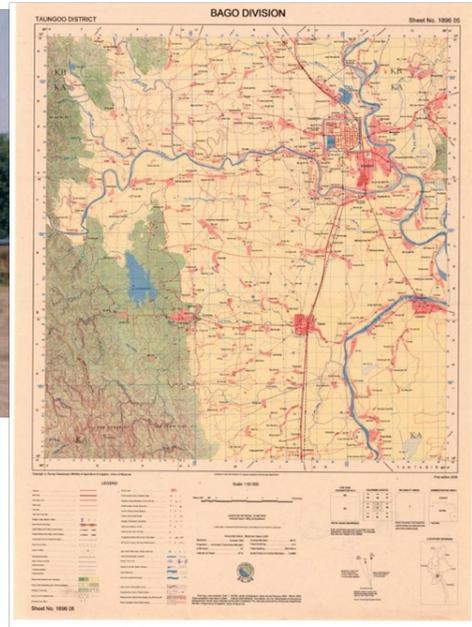
- Developed a new standard coding system with 8 departments
- Developed a database for the GAD to maintain the national gazetteer
- set up equipment and technical
- Initiated development of a web page for dissemination



How OMM is working with Government?

Survey Department, MONREC: National Topographic Data

- Piloting geospatial technologies



Geodetic reference network

Location of Primary Triangulation Stations

How OMM is working with Government?

Department of Agricultural Land Management and Statistics, MOALI: Agricultural Land Management

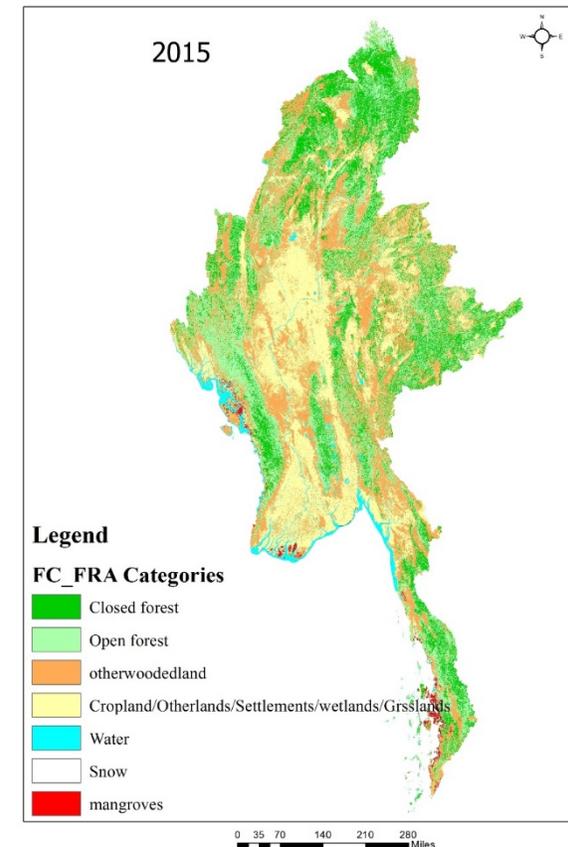
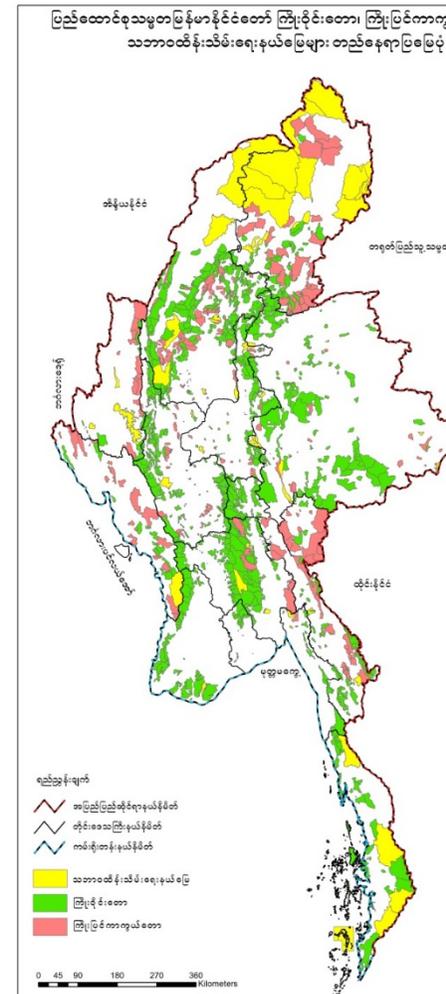
- Piloted approaches to cadastral mapping and land survey
- Piloted data management system
- Conducted trainings



How OMM is working with Government?

Forest Department, MONREC:

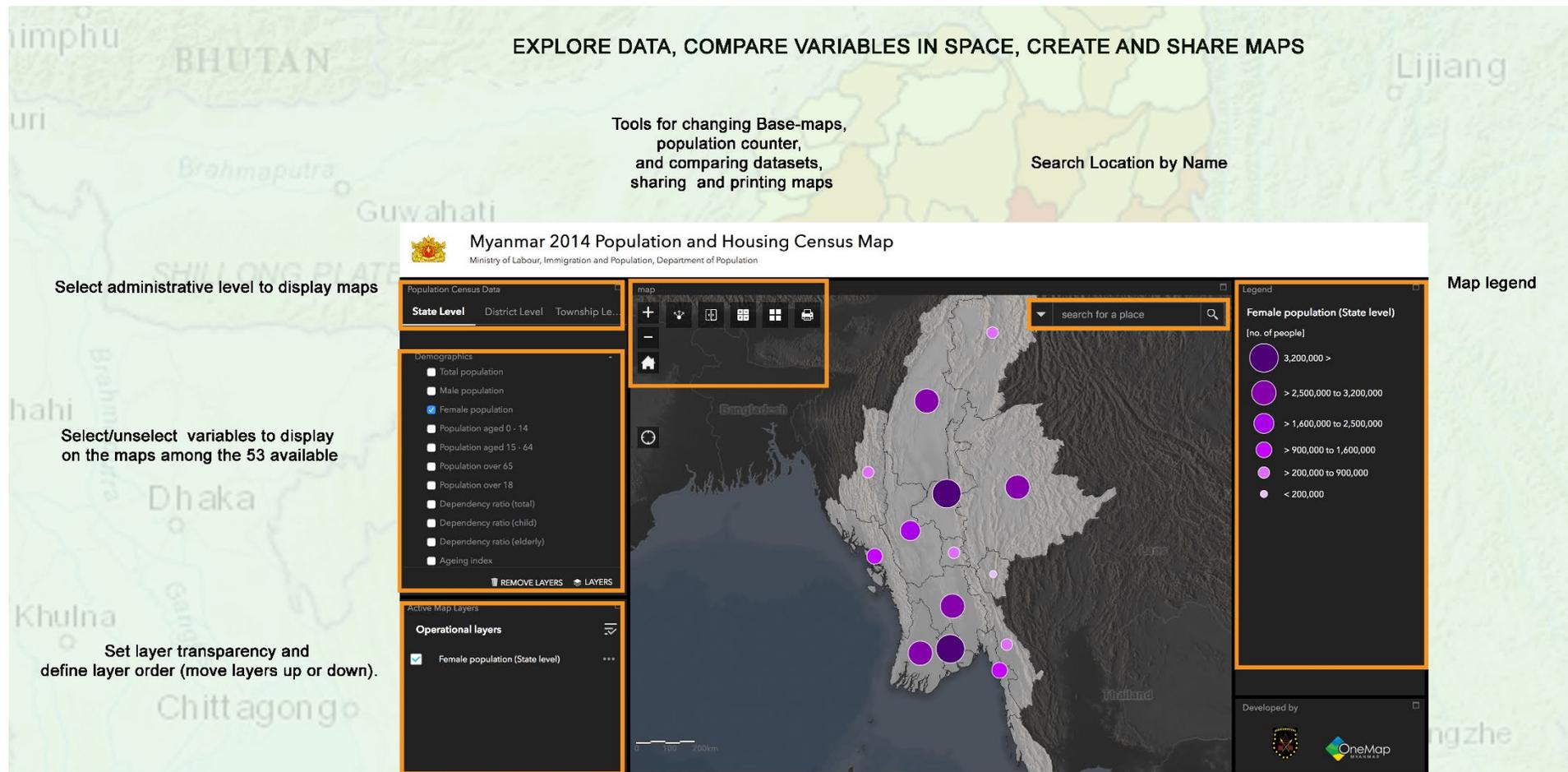
- Developing a Central Database System
- Cleaning and consolidating spatial datasets at national and subnational levels:
 - Community Forest
 - Permanent Forest Estates
 - Forest permits etc.....



How OMM is working with Government?

- **Department of population (Ministry of Labour, Immigration and Population)**

An interactive mapping tool for census data



How OMM is working with Government?

Department of Disaster Management (DDM) of the Ministry of Social Welfare, Relief and Resettlement along DMH, ECD in close collaboration with various sector departments under the supports of various partners

The screenshot displays the MUDRA web application interface. At the top, a blue header contains the MUDRA logo, navigation links for 'Terms of use' and Burmese text, and a Facebook icon. Below the header, the main content area features a map of Myanmar with township-level data overlays. On the left, a sidebar menu allows filtering by 'State / Region', 'District', and 'Township', with a 'By Township' section listing 'River Flood' and 'Storm Surge' (with sub-options for 'Based on historical climate', '2040', and '2080'). An 'Active Layers' panel shows 'Fatalities (River Flood / 2040 RCP 4.5 Scenario / Township)' as the active layer. On the right, a 'Légende' (Legend) panel defines the color scale for 'Fatalities per year' in the '2040 RCP 4.5 Scenario / Township': dark purple for '> 50', medium purple for '> 10 - 50', light purple for '> 5 - 10', very light purple for '> 1 - 5', and white for '0 - 1'. A 'Query' panel at the bottom right shows 'Tasks' and 'Results' for the active layer. The map interface includes a search bar and standard navigation controls.



Working with Civil Societies

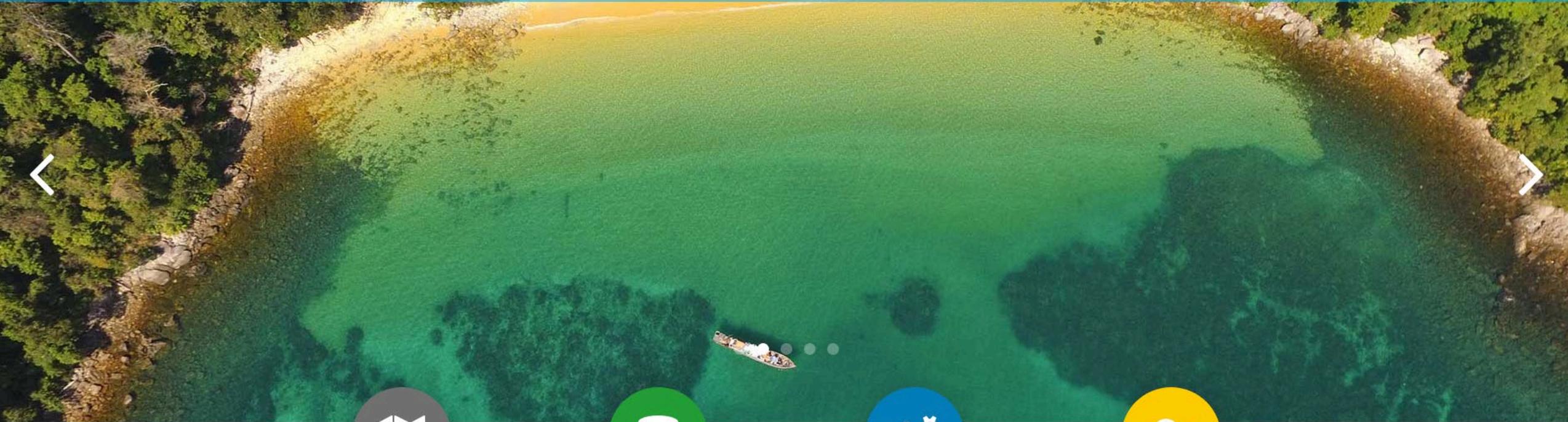
- Small grants to support research and mapping activities:
- Customary tenure mapping in Nagaland
- Land dispute database
- Mapathons in Yangon, Bago, Mon.
- On-demand trainings and technical support
- Support multistakeholder dialogues on land issues
- Implementation of participatory mapping



How OMM is working with Different Partners?

- **Mapping for humanitarian and development support**
 - The Myanmar Information Management Unit (MIMU) - ongoing
- **Various NGOs/CSOs and Private Sector Initiatives**
- **various international organizations such as JICA, FAO, UNHABIT, UNDP, ICIMOD, UN-Spider, WFP, UNICEF, JAXA, etc.**





SEARCH DATA ON THE MAP

Explore geospatial data on the national map viewer



SEARCH IN DATA CATALOGUE

Search all spatial and non spatial data sets in the data catalogue



LEARN MORE ABOUT TOPICS

Access interactive thematic maps and applications.



CREATE YOUR OWN MAP

Create your own map using OneMap Myanmar data and your own.





Lesson learned – **OneMap as an institution**

- **Advantages**

- Easy access to people, places & institutions
- National mandate and clear alignment to national policies
- Strong levers for donor and coordination in the area of geospatial data
- Insider's role for policy changes

- **Challenges**

- Some activities strongly dependant on slow institutionalisation processes (eg. NLUC)
- Strict protocols and regulations
- Dilution of authority – unclear protocol



Main Challenges in Summary

- **Challenge: Lack of accurate digitized geospatial data**
 - **Solution:** OneMap Myanmar supports departments in digitizing maps and generating maps
- **Challenge: Lack of harmonized and standardized workflow to manage data**
 - **Solution:** Developing data governance and data management at working committee level for all departments (in progress)
- **Challenge: Lack of willingness to share data and be accountable**
 - **Solution:** Enhanced data is easier to share which OneMap Myanmar contribute to. Working committee federates Ministries towards an overarching goal beyond siloed interests
- **Challenge: Conflict sensitive context**
 - **Solution:** Engage with civil society and build trust. Three representative CSO's are members of the working committee



Trust Building and Awareness Raising



Adaptive management, iterative process and technical back door



Thanks you very much!

Please contact us if you need any additional information;

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