



## **Capacity building on the use of Geospatial Data and Technologies For Immunization Planning and Health System Strengthening**

Venue: Hotel Max (Naypyitaw)

Dates: 12-16 March 2018

### Training objectives

- Inform the decision making process in Health System Planning for example health facility allocation and expansion
- Improve the use of geospatial data and technologies to support health system strengthening
- Strengthen the Region/State level capacity regarding the maintenance and update of the health facilities and EPI communities master lists
- Strengthen the technical capacity of the Myanmar EPI program when it come to the use of geospatial data and technologies for micro-planning of immunization delivery

### Expected participant profile:

- The Region/State MOHS staff that will be supporting the creation of the microplanning maps
- The Region/State MOHS staff that will be supporting the regular update of the health facilities and villages master list as well as produce thematic maps for the Region/State MOHS office
- A manager that oversees the management and use of data at the Region/State level

### Invited participants:

- EPI Medical Officer
- EPI health Assistant
- Computer person from the State/Region

Participants initial skills: MS Office, MS Excel in particular

### Expected skills/knowledge at the end of the training:

- Basic concepts behind the geospatial data management process, health facility master list and the making of a good thematic map
- Introduction to data collection
- Produce thematic map in support of the immunization microplanning process
- Use of thematic maps for decision-making , supervision and evaluation of the immunization microplanning process

Raw data to be used during training: Data covering the Taungdwingyi Township (Magway Region)

GIS software used during the training: QGIS



Agenda:

Day	Schedule
Day 1	<ul style="list-style-type: none"> <li>- 8:30-9:00 Registration</li> <li>- 9:00-9:45 Welcome &amp; Opening, objectives of the training, round of introduction and expectation from the participants, agenda - <i>Dr. Than Tun Aung (Deputy Director General - Disaster/CEU) and Daw Aye Aye Sein (Deputy Director General - Admin/Finance)</i></li> <li>- 9:45-10:00 Group photo and break</li> <li>- 10:00 - 10:30 <b>Session 1</b> - Introduction to the use of geospatial data and technologies in public health – <i>Steeve Ebener (HGLC)</i></li> <li>- 10:30 - 11:00 <b>Session 2</b> - The microplanning process followed in Myanmar - <i>Dr Tin Tun Win (MOHS)</i></li> <li>- 11:00 - 12:00 <b>Session 3</b> - How geospatial data and technologies could support the current process- <i>Rocco Panciera (UNICEF)</i></li> <li>- 12:00-13:00 Lunch</li> <li>- 13:00-13:30 <b>Session 4</b> - The process behind making a good thematic map – <i>Lin Sein (MOHS)</i></li> <li>- 13:30-14:30 <b>Session 5</b> - Making a good thematic map – Defining and compiling good geospatial data – <i>Nan Thida Phyto (MOHS)</i></li> <li>- 14:30-14:45 Break</li> <li>- 14:45-15:15 <b>Session 6</b> - Making a good thematic map – Extracting or collecting geospatial data – <i>Nan Thida Phyto (MOHS)</i></li> <li>- 15:15-16:00 <b>Exercise 1</b> - Using an Android phone and GPS essentials to collect geographic coordinates in the field - <i>Steeve Ebener (HGLC)</i></li> <li>- 16:00-16:30 <b>Session 7</b> - Explanation of the QGIS installation process - <i>Izay Pantanilla (HGLC)</i></li> </ul>



<p>Day 2</p>	<ul style="list-style-type: none"> <li>- 8:30-9:00 Recap of the first day - <i>Dr. Kaung Myat Thwin (MOHS) with participant's help</i></li> <li>- 9:00-9:30 <b>Session 8</b> - Introduction to the concept of master list and common geo-registry - <i>Maung Maung Htay Zaw (MOHS)</i></li> <li>- 9:30-10:00 <b>Session 9</b> - The health facilities and EPI communities master list for Myanmar - <i>Nan Thida Phyo and Dr. Kaung Myat Thwin (MOHS)</i></li> <li>- 10:00-10:15 Break</li> <li>- 10:15 - 12:00 <b>Session 10</b> - Updating mechanism for the health facility and EPI communities master lists and role of the Regions/States – <i>Steeve Ebener (MOHS)</i></li> <li>- 12:00-13:00 Lunch</li> <li>- 13:00-13:30 <b>Session 11</b> - Preparing the data for its use in a GIS software - <i>Lei Lei Mon (WHO)</i></li> <li>- 13:30 - 15:00 <b>Exercise 2</b> - Preparing the EPI program statistical data for the microplanning process - <i>Lei Lei Mon (WHO)</i></li> <li>- 15:00 - 15:15 Break</li> <li>- 15:15 - 16:00 <b>Exercise 2 (continued)</b> Preparing the EPI program statistical data for the Taungdwingyi Township monitoring &amp; evaluation maps - <i>Lei Lei Mon (WHO)</i></li> </ul>
<p>Day 3</p>	<ul style="list-style-type: none"> <li>- 8:30-9:00 Recap of the second day - <i>Dr Tin Tun Win (MOHS) with participant's help</i></li> <li>- 9:00-10:00 <b>Session 12</b> - Finishing the installation of QGIS 3.0 and presentation of its interface and functionalities - <i>Izay Pantanilla (HGLC)</i></li> <li>- 10:00-10:15 Break</li> <li>- 10:15-10:45 <b>Session 13</b> - The components of a good thematic map - <i>Lin Sein (MOHS)</i></li> <li>- 10:45- 12:00 <b>Session 14</b> - Using the QGIS Layout Manager to create a nice layout and save/print your map - <i>Izay Pantanilla (HGLC)</i></li> <li>- 12:00-13:00 Lunch</li> <li>- 13:00-15:00 <b>Exercise 3</b> - Preparing the geospatial and geographic data for the Taungdwingyi Township - <i>Rocco Panciera (UNICEF)</i></li> <li>- 15:00 - 15:15 Break</li> <li>- 15:15-16:00 <b>Exercise 4</b> - Preparing the RHC and SubRHC base microplanning maps - <i>Rocco Panciera (UNICEF)</i></li> </ul>



<p>Day 4</p>	<ul style="list-style-type: none"> <li>- 8:30-9:00 Recap of the third day - <i>Dr. Kaung Myat Thwin (MOHS) with participant's help</i></li> <li>- 9:00-10:00 <b>Exercise 4 (Continued)</b></li> <li>- 10:00-10:15 Break</li> <li>- 10:15-12:00 <b>Exercise 5</b> - Using the base microplanning maps at the RHC-level for session planning and supervision - <i>Nay Myo Thu (UNICEF)</i></li> <li>- 12:00-13:00 Lunch</li> <li>- 13:00-15:00 <b>Exercise 6</b> - Answering requests from township to central level during the microplanning plan validation process - <i>Rocco Panciera (UNICEF)</i></li> <li>- 15:00 - 15:15 Break</li> <li>- 15:15- 16:00 <b>Exercise 7</b> - Preparing the Township level Monitoring &amp; evaluation maps for the 6-months and annual review - <i>Rocco Panciera (UNICEF)</i></li> </ul>
<p>Day 5</p>	<ul style="list-style-type: none"> <li>- 8:30-9:00 Recap of the fourth day - <i>Nay Myo Thu (UNICEF) with participant's help</i></li> <li>- 9:00-10:00 <b>Session 15</b> - Use of the Township level monitoring &amp; evaluation maps for the 6-months and annual reviews - <i>Dr Tin Tun Win (MOHS)</i></li> <li>- 10:00-10:15 Break</li> <li>- 10:15-11:00 <b>Session 16</b> - Recap on the role of the state/regions geospatial data manager - <i>Nay Myo Thu (UNICEF)</i></li> <li>- 11:00-12:00 <b>Session 17</b> - Expanding the learning from this training to all the States/Regions (Challenges and opportunities) - <i>Nay Myo Thu (UNICEF)</i></li> <li>- 12:00-13:00 Lunch</li> <li>- 13:00-13:30 <b>Session 18</b> - Other important points and additional resources - <i>Lin Sein (MOHS)</i></li> <li>- 13:30 - 14:00 Any last questions and wrap up of the training - <i>Dr. Aung Kyaw Moe (Deputy Director, CEU/cEPI)</i></li> <li>- 14:00- 14:30 Closing of the meeting - <i>Dr. Than Tun Aung (Deputy Director General - Disaster/CEU) and Daw Aye Aye Sein (Deputy Director General - Admin/Finance)</i></li> </ul>