

Geographic accessibility to health services training workshop (Port Vila, Vanuatu, 2-5 December 2019)



Background:

The Ministry of Health in Vanuatu aims to provide patients with equal treatment for equal medical need, irrespective of characteristics such as income, race, and place of residence. This aim is reflected in Society Objective 3.1 of Vanuatu National Sustainable Development Plan:

“Ensure that the population of Vanuatu has equitable access to affordable, quality health care through the fair distribution of facilities that are suitably resourced and equipped (NSDP, 2016)”

During this training workshop, the Ministry of Health will for the first time in its history estimate levels of physical accessibility and provide evidence on how Vanuatu could optimize its distribution of facilities, in order to achieve the goals outlined in the NSDP.

Training Details

Venue: Ramada Resort, Port Vila

Dates: 2-5 December 2019

Training objectives:

1. Introduce the concepts and methods behind the use of GIS to measure physical accessibility to health services
2. Introduce the participants to the use of AccessMod 5.0
3. Practice the different analysis included in AccessMod using the data for Vanuatu

Length of training (nr of days): 4 days

Expected participant profile and requirements:

- GIS Background
- Good knowledge in the use of QGIS and MS Excel
- MS Excel installed on their computer

Facilitator:

- Dr. Steve Ebener

Agenda

Monday 2 December.2019

Time	Schedule
9:00 - 9:30	Session 1 - Welcome & opening, objectives of the training, round of introduction and expectation from participants
9:30 - 10:30	Session 2 - Introduction to the use of GIS-based approaches to measure physical accessibility to health services
10:30 - 11:00	Group photo and break
11:00 - 12:00	Session 3 - Introduction to AccessMod and examples of application
12:00 - 13:00	Lunch
13:00 - 14:00	Session 4 - Installation of QGIS 3.4.5 and AccessMod 5.0
14:00 - 14:30	Break
14:30 - 16:00	Session 5 - Introduction to AccessMod 5.0 modules
16:00 - 17:00	Session 6 - Data needed to run the different analysis in AccessMod 5.0

Tuesday 3 December 2019

Time	Schedule
8:30 - 9:00	Recap of the first day
9:00 - 9:30	Session 7 - Quick reminder on QGIS
9:30 - 10:30	Session 8 - Data for the different analysis over Vanuatu
10:30-11:00	Break
11:00-12:00	Session 9 - Importing the data into AccessMod 5.0, creating the merged landcover layer, checking health facilities location and correct for population on barriers
12:00 - 13:00	Lunch
13:00 - 14:30	Session 10 -Running the physical accessibility analysis for the Health centres and Dispensaries
14:30 - 15:00	Break
15:00 - 16:00	Session 11 - Exporting and looking at the results of the physical accessibility analysis
16:00 – 17:00	Session 12 - Presenting the results of the physical accessibility analysis in tables, graphs and maps

Wednesday 4 December 2019

Time	Schedule
8:30 - 9:00	Recap of the second day
9:00 - 10:00	Session 13 - Preparing the input parameters for the geographic coverage analysis
10:00 - 10:30	Break
10:30 - 12:00	Session 14 - Running the geographic coverage analysis for the Health centres and Dispensaries
12:00 - 13:00	Lunch
13:00 - 14:30	Session 15 - Exporting and looking at the results of the geographic coverage analysis
14:30 - 15:00	Break
15:00 - 15:30	Session 16 - Running the referral analysis between the Health centres and the nearest Hospital
15:30 - 17:00	Session 17 - Exporting and looking at the results of the referral analysis

Thursday 5 December 2019

Time	Schedule
8:30 - 9:00	Recap of the third day
9:00-10:30	Session 18 - Preparing the input parameters for the scaling up analysis
10:30-11:00	Break
11:00 – 12:00	Session 19 - Running the scaling up analysis for the Health centres and Dispensaries
12:00 - 13:00	Lunch
13:00 - 14:30	Session 20 - Exporting and looking at the results of the scaling up analysis
14:30-15:00	Break
15:00-16:00	Session 21 - Review of the results generated through the different analysis, additional resources, Q&A
16:00 - 16:30	Session 22 - Conclusion of the workshop