



Concept note and Agenda

Advanced GIS Training Follow Up 2022

Background:

[Advanced Geographic Information System \(GIS\) virtual training course organised](#) by OIE Sub Regional Representation for South-East Asia in partnership with the Epicentre, Massey University (MU), New Zealand during 27 July – 30 August 2021. The overall aim of the training course was to strengthen animal disease surveillance and control in the region by using GIS tools.

The 6-week training was delivered virtually using the online Massey University Moodle platform (Stream) and Zoom synchronous training sessions. The course introduced up to date QGIS features and facilitated practical application of spatial risk assessment methods and creating risk-based maps. The training particularly focused on developing Multi Decision Criteria (MCDA) method in determining weight of spatial risk factors and applying cluster analysis method for detection of spatial disease clusters and test if they are statistically significant in animal population and get better informed on disease spread. As a highlight of the training, country teams successfully applied Multi Decision Criteria Analysis (MCDA) tool and spatial risk assessment (SRA) methods to create risk maps for priority diseases, including African Horse Sickness (AHS), ASF and dog-mediated rabies.

Methodology:

Based on the training evaluation and feedback from the training participants, the OIE and MU are planning to organise a refresher training workshop inviting participants who have completed the Advanced GIS Training (2021). In addition to the 2021 training participants, those who are interested and having experience in QGIS can also be nominated to attend these live workshops and self-learning courses.

These workshops will be held virtually on Tuesday 3 May and Thursday 12 May 2022.

The updated contents (interactive/stepwise approach and video instruction lessons) will be available over Massey University's training platform stream (<https://stream.massey.ac.nz>). The content will be available for the training participants over stream for self-learning for 3 months starting from the first introductory workshop on 3 May 2022.

Objectives:

The objective of the workshop is

- to introduce the **updated contents** on (i) QGIS techniques, (ii) Spatial Risk Assessment (SRA), (iii) Spatial cluster detection
- to **explore the interest** for providing guidance and mentorship to the SRA Country Projects.



SAVE THE DATE !
**ADVANCED GIS TRAINING
 FOLLOW UP 2022**

Live Session 1
3 MAY 2022
 9 AM
 Bangkok Time

Live Session 2
12 MAY 2022
 9 AM
 Bangkok Time

JOIN HERE !
 -OR-

 SCAN ME

Updated Content (interactive/stepwise approach and video instruction lessons) on QGIS Techniques, Spatial Risk Assessment (SRA), And Spatial Cluster Detection will be available over Massey University Virtual Training Platform Soon

OIE
 MASSEY UNIVERSITY
 AUSTRALIAN GOVERNMENT
 DEPARTMENT OF AGRICULTURE AND WATER RESOURCES
 CHINA

Building capacity in epidemiological study design is part of the training objective and programme developed and delivered by the EpiCentre, Massey University, and the OIE SRR-SEA under Output 3 of the NZ MFAT funded project 'ASEAN REGIONAL, STRENGTHENING FOOT AND MOUTH DISEASE CONTROL IN SOUTH EAST ASIA' and supported by the Australian funded Department of Agriculture and Water Resources (DAWE) Project, "ENHANCED CAPACITY OF COUNTRIES IN SOUTH-EAST ASIA TO DETECT, CONTROL AND PREVENT THE SPREAD OF PRIORITY TRANSBOUNDARY ANIMAL DISEASES."; and China fund.

Target countries:

The SEACFMD member countries Brunei Darussalam, Cambodia, China, Indonesia, Lao PDR, Malaysia, Mongolia, the Philippines, Singapore, Thailand, and Vietnam. Additionally, PNG and Timor Leste will be invited to the training programme under the Australian funded DAWE Project.

Participants:

Member countries are requested to nominate the participants who have completed the Advanced GIS Training (2021). In addition to the 2021 training participants, those who are interested and having working experience using QGIS particularly Spatial Risk Assessment (SRA) can also be nominated (maximum 2 officers in addition to 2021 Advanced GIS training participants) to attend these live workshops and self-learning course.

Facilitators:

- Dr Chris Compton, EpiCentre, Massey University, New Zealand.
- Dr Art Subharat, EpiCentre, Massey University, New Zealand.

Coordinators:

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