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Advanced Geographic Information System (GIS) Training

Opening Live session -1

Tuesday, 27 July 2021

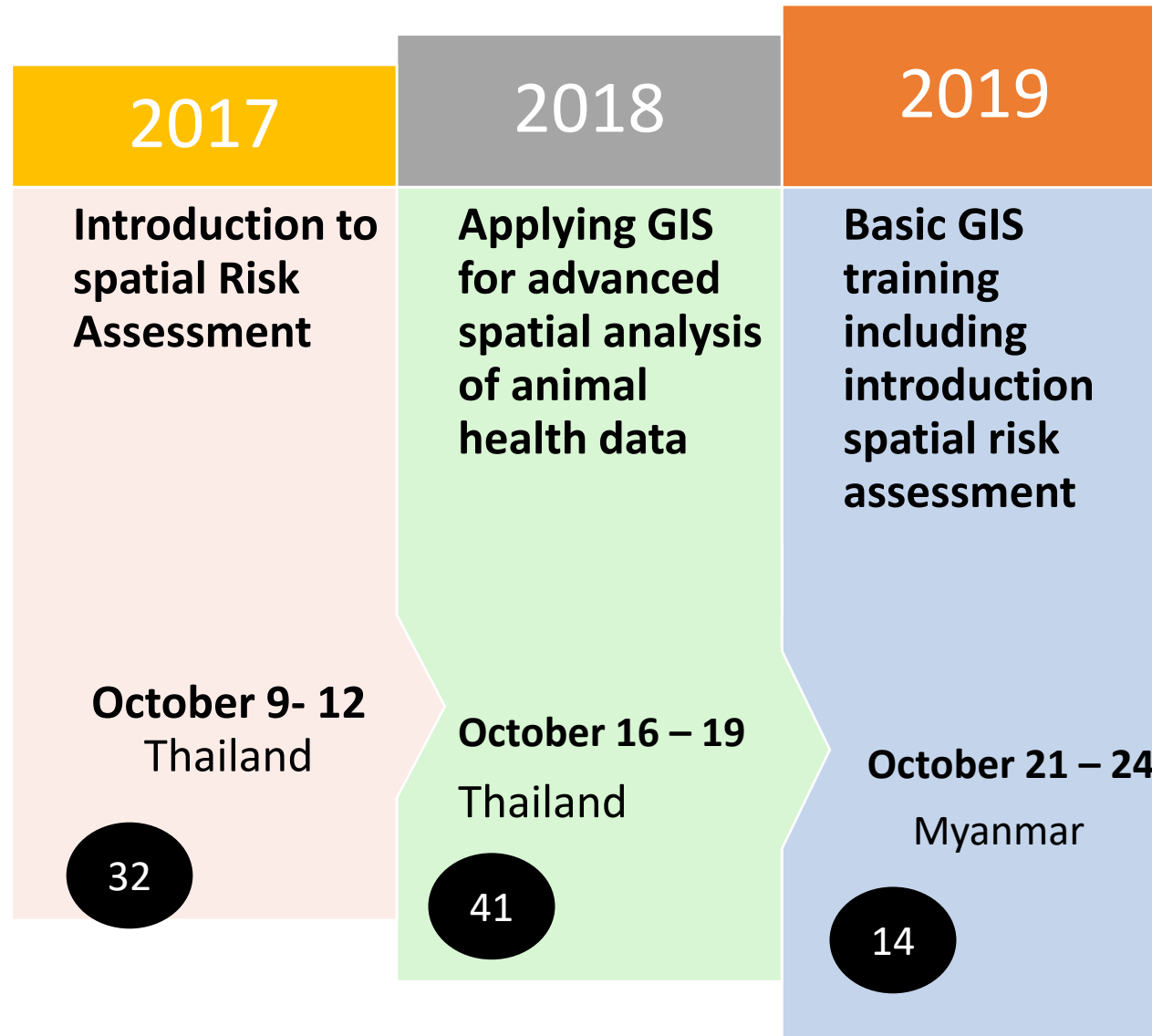
OIE Sub-Regional Representation for South- East Asia (OIE SRR SEA)

Agenda

Time	Agenda	Methods/ Document ation	Facilitator
Introductory session			
10.00 am	Opening remark		Dr Ronello Abila, OIE SRR SEA
10.05 am	Context of the training	PPT	Dr Ashish Sutar,OIE SRR SEA
10.10 am	Introduction to the participants and trainers		All
10.30 am	Introduction to the 'stream' MU training platform	Online	Dr Art Subharat, Massey University
10.35 am	<ul style="list-style-type: none"> Objectives and expected outcome Importance of GIS in disease surveillance and control 	PPT	Dr Chris Compton and Dr Art Subharat, Massey University
Technical session			
10.45 am	<ul style="list-style-type: none"> Introduction to spatial risk assessment and multi-criteria decision analysis. Spatial risk factors (FMD) 	PPT	Dr Chris Compton and Dr Art Subharat, Massey University
11.05 am	Coffee break		All
11.10 am	Exercise (breakout session)	Group work	All
11.30 am	Feedback by the participants and tutor	Plenary	All
11.50 am	Next live session -2 (28 July)		Dr Chris Compton and and Dr Art Subharat,Massey University
11.55 am	Closing remark		Dr Ronello Abila, OIE SRR SEA



Past GIS Trainings

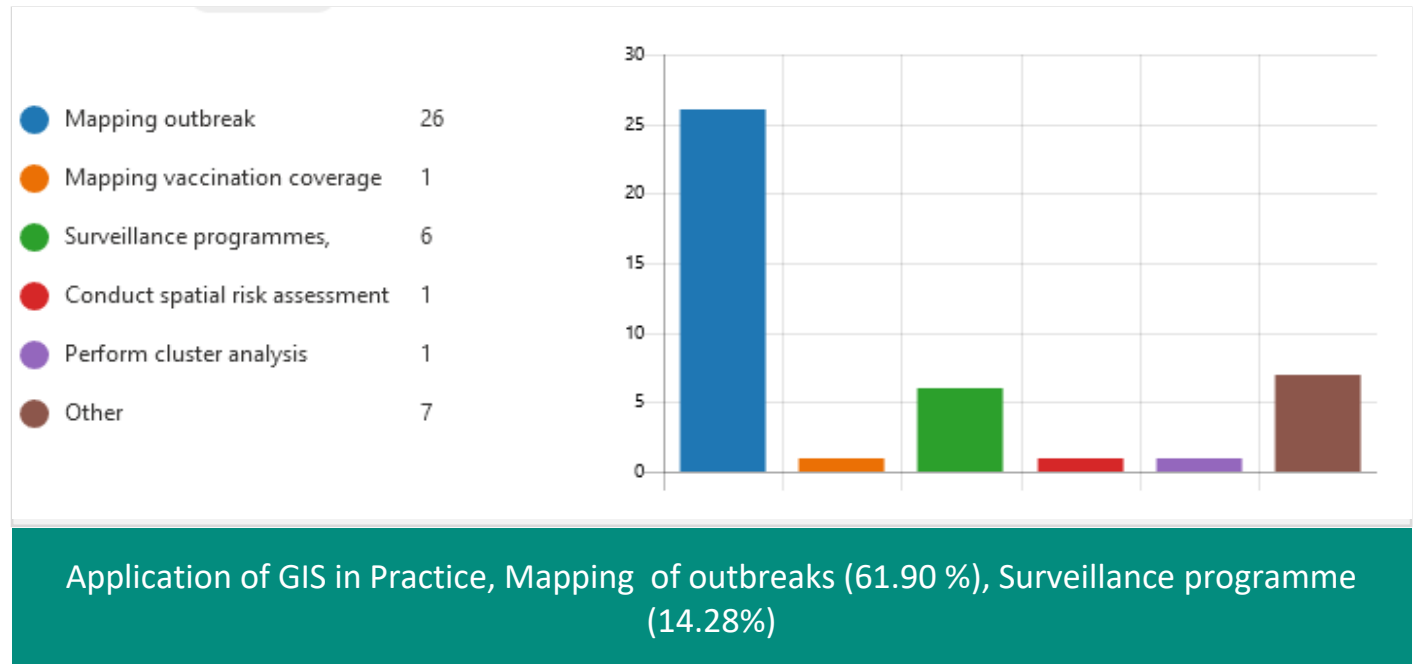
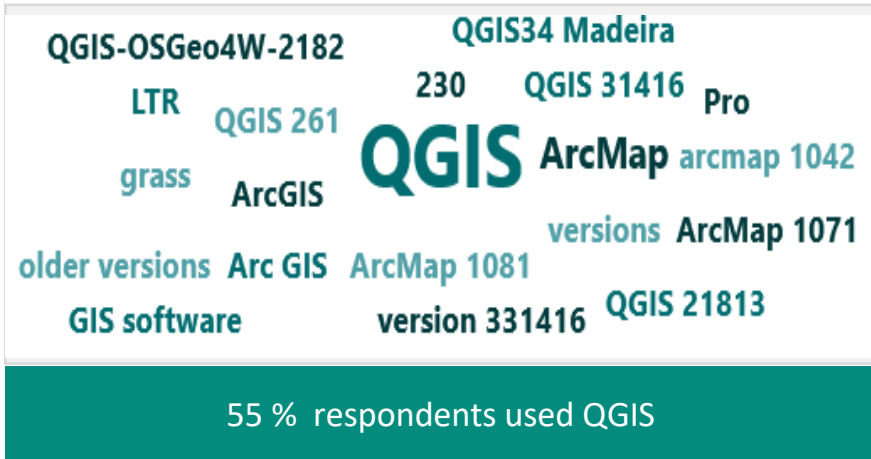


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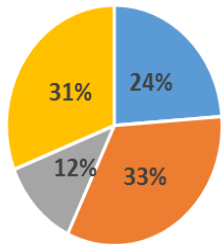
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Pre-training questionnaire July 2021 (n=42) : Application of GIS



Usage of GIS and training interest

Respondent developed a map displaying disease distribution



■ At least once in a month ■ Once in past 6 months
■ Once in past year ■ Longer than year

Frequency of developing maps

● Spatial Risk Assessment	30
● Multi Criteria Decision Analyisi...	6
● Cluster Analysis	4
● Other	2



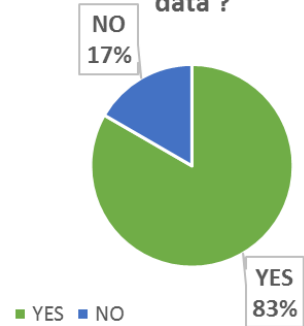
Training topic suggested spatial risk assessment (71%) , MCDA (14%), Cluster analysis (10%)

rural communities characteristics change
Analysis Tool Criteria risk Multi disease detection
bias data data Analysis disease easily applied
possible Cluster Analysis Decision Analysis small herds
Analysis is also important analysis methods uncertainty analysis
basic validation

Other trainings of interest

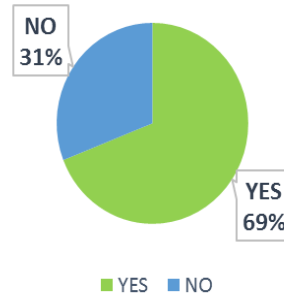
Response to technical criterias

Are you familiar with vector/raster data ?



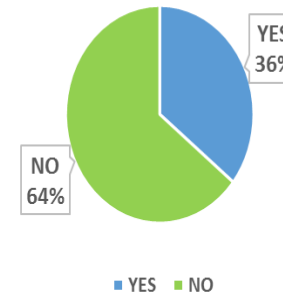
Vector /raster data

Are you able to convert the projection of map layer between lat/long format to UTM ?



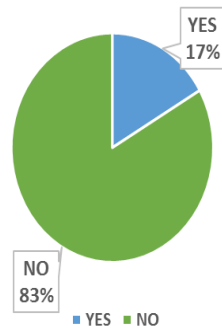
Projection of map layer between lat/long format to UTM

Are you able to convert vector layer to raster layer ?



Rasterize vector layer

Have you performed raster calculation ?



Able to perform raster calculation



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Assessment questionnaire (Forms)

- Criteria

- Past trainings.
 - Experience using GIS.
 - Technical awareness.
 - Task of developing maps
- 42 responses /32 selected.

Country Projects (Practice)



- 2 live sessions out of 7
- Country/Group assignment.
- Assignment progress session.
- Closing workshop.

7 Technical Live sessions (Zoom)

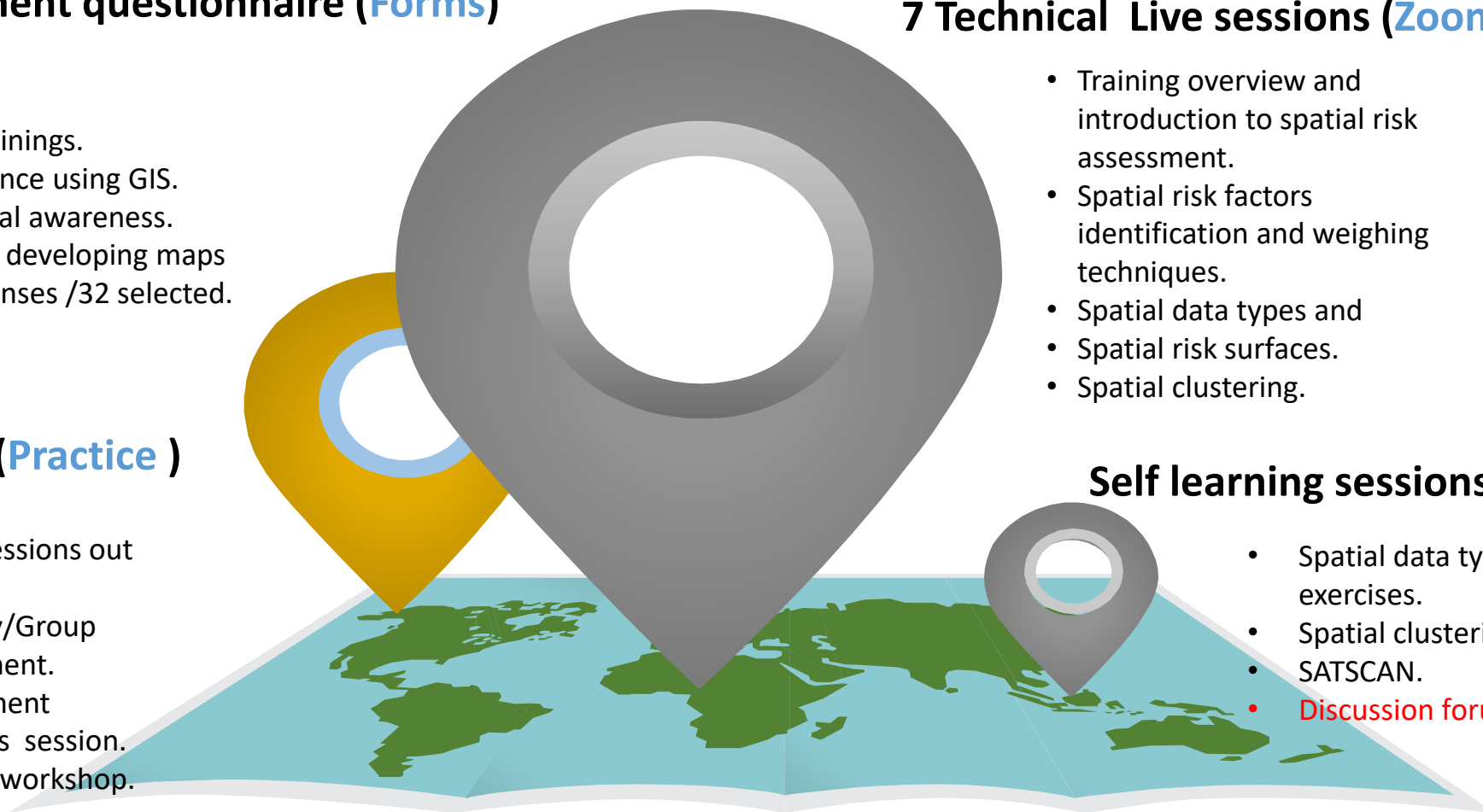


- Training overview and introduction to spatial risk assessment.
- Spatial risk factors identification and weighing techniques.
- Spatial data types and
- Spatial risk surfaces.
- Spatial clustering.

Self learning sessions (stream)



- Spatial data types exercises.
- Spatial clustering.
- SATSCAN.
- Discussion forum.



Training participants

- **Participating countries:** (11)

Cambodia, China, Indonesia, Laos, Malaysia, Mongolia, Papua New Guinea , the Philippines, Singapore, Thailand and Vietnam.

- **Total participants:** (32)

- **Trainers:** Dr Chris Compton, Dr Art Subharat

- **Partnership with :**



- **Supported by:**



Australian Government
**Department of Agriculture,
Water and the Environment**



Thank you for the attention

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