

## Agenda

### Training on GIS for Municipal Planning

25–27 November 2024 | Benighat, Dhading, Nepal

#### Day 1

Monday, 25 November 2024

All timestamps are in Nepal Standard Time

Time	Topic
9:00–9:15	Arrival of participants Registration
9:15–9:50	<b>Opening session (S1)</b>
	<b>Moderation</b> – Keshab Kandel, Vice Principal, <b>SCSS</b> <ul style="list-style-type: none"><li>• Welcome remarks - Krishna Bahadur Thapaliya (Bibek), Chairperson, <b>Benighat Rorang Municipality</b></li><li>• Welcome remarks - Narbada Ghimire, Chief Administrative Officer, <b>Benighat Rorang Rural Municipality</b></li><li>• Introduction of the participants – Keshab Kandel, <b>SCSS</b></li><li>• Overview of SERVIR HKH Initiative and training – Rajesh Bahadur Thapa, Science and Data Lead, <b>ICIMOD</b></li><li>• Group photo</li></ul>
9:50–11:00	<b>Morning session (S2)</b>
	<ul style="list-style-type: none"><li>• Pre-training assessment (10 min) - <b>Poonam Tripathi</b>, ICIMOD</li><li>• GIS concepts and applications, <b>Poonam Tripathi</b>, ICIMOD</li></ul>
11:00–11:15	<b>Tea break</b>
11:15–12:30	<ul style="list-style-type: none"><li>• Installation of software</li><li>• Hands-on exercises- Poonam Tripathi, <b>ICIMOD</b> and Kranti Kandel, <b>SCSS</b></li><li>• Vector data exploration and visualisation in QGIS (Symbology exploration, layer properties, projection, exporting, labelling etc.)</li></ul>
12:30–13:30	<b>Lunch break</b>
13:30–17:00	<b>Afternoon session (S3)</b>
	Hands-on exercise -session continued <ul style="list-style-type: none"><li>• Vector data exploration (Area calculation, use of field calculator, joining attributes)</li></ul>
15:00–15:15	<b>Tea break</b>
15:15–17:00	<ul style="list-style-type: none"><li>• Exploring Geoprocessing tools</li><li>• Using expression tool for query building</li></ul>

## Day 2

Tuesday, 26 November 2024

Time	Topic
9:00–12:30	<b>Morning session (S4)</b>
9:00–9:30	Reflections on the previous day (30 min) <ul style="list-style-type: none"><li>• Hands-on exercises - Poonam Tripathi, <b>ICIMOD</b> and Kranti Kandel, <b>SCSS</b></li><li>• Raster data exploration and visualisation in QGIS (visualisation, merging, clipping)</li></ul>
10:00–10:15	<b>Group photo and Tea break</b>
10:15–11:30	Hands-on exercise -session continued <ul style="list-style-type: none"><li>• Raster data for topographic analysis (DEM, slope, aspect etc.)</li></ul>
11:30- 12:30	<ul style="list-style-type: none"><li>• Adding satellite data in QGIS</li><li>• Creating vector data (Point, Line, Polygon)</li></ul>
12:30–13:30	<b>Lunch break</b>
13:30–17:00	<b>Afternoon session (S5)</b>
13:30–15:00	Hands-on exercise -session continued <ul style="list-style-type: none"><li>• Creating vector data (point, line, polygon)</li><li>• Cartography: Mapmaking</li></ul>
15:00-15:15	<b>Tea break</b>
15:15–17:00	Hands-on exercise -session continued <ul style="list-style-type: none"><li>• Cartography: Mapmaking</li></ul>

## Day3

Wednesday, 27 November 2024

Time	Topic
9:00–12:30	<b>Morning session (S6)</b>
9:00–9:30	Reflections on the previous day (30 min) <ul style="list-style-type: none"><li>• Group work, - Poonam Tripathi, <b>ICIMOD</b> and Kranti Kandel, <b>SCSS</b> (4 to 5 persons in a group)</li><li>• Working with own data (editing, updating and spatial analysis)</li></ul>
10:00–10:15	<b>Tea break</b>
10:15–11:00	<ul style="list-style-type: none"><li>• Group work- session continued</li><li>• Working with own data (editing, updating and spatial analysis)</li></ul>
12:30–13:30	<b>Lunch break</b>
13:30–16:00	<ul style="list-style-type: none"><li>• Group presentation</li><li>• Demonstration on SERVIR-HKH EWS applications (1.5 hours), Manish Shrestha, <b>ICIMOD</b></li><li>• Post training assessment</li></ul>

Time	Topic
16:00–17:00	<b>Closing session (S7)</b>
	<ul style="list-style-type: none"><li>• Reflections and feedback from the participants</li><li>• Certificate distribution</li><li>• Way forward</li><li>• Closing remarks</li></ul>