

## Global Positioning System (GPS)

**Class hours:** 7.30am – 12.30pm

**Pre-requisites:** Participants should have basic computer skills

**Course Description:** The aim of this course is to demonstrate how GPS tools can be used in data collection, and how the to download and integrate the data from the GPS tools into Geographical Information Systems (GIS).

Unit	Outline
<b>Introduction</b>	<ul style="list-style-type: none"><li>• How does the GPS work</li><li>• Determining Position</li><li>• Storing Positions</li><li>• How accurate is a GPS</li><li>• Sources of error in the GPS</li></ul>
<b>GPSmap 60cs</b>	<ul style="list-style-type: none"><li>• Overview of GPSMAP 60CS</li><li>• Procedure for Creating waypoints</li><li>• Editing waypoint</li><li>• Deleting waypoint</li><li>• Saving tracks</li><li>• Deleting tracks from the Card</li><li>• Checking the memory of the GPS card</li></ul>
<b>GPSmap 60c Setups</b>	<ul style="list-style-type: none"><li>• System setup</li><li>• Map setup</li><li>• Unit setup</li><li>• Track log setup and Time setup</li></ul>
<b>Downloading GPSData in Map Source</b>	<ul style="list-style-type: none"><li>• Procedure for downloading Waypoints and tracks</li></ul>
<b>Checklist before Using a GPS</b>	<ul style="list-style-type: none"><li>• Briefing</li><li>• Equipment</li><li>• prepare GPS receiver and marking waypoint</li></ul>