Unitar Online Catalogue

Training of Trainers on Geospatial Information Technology for Village Development Planning

United Nations Satellite Centre UNOSAT

Deadline: 6 Nov 2026

Type:	Course
Location:	Luang Prabang, Lao People's Democratic Republic
Date:	9 Nov 2026 to 13 Nov 2026
Duration:	5 Days
Thematic Area:	Satellite Imagery and Geospatial Analysis
Website:	https://unosat.org/
Price:	$0.00
Event Focal Point Email:	khaled.mashfiq@unitar.org
Partnership:	The Swiss Agency for Development and Cooperation (SDC)

BACKGROUND

This five-day Training of Trainers is delivered under D8 of the GeoCLEAR project: the Full Capacity Development Package for Training of Trainers. GeoCLEAR is a tailored Geospatial Decision Support System jointly developed by the United

Nations Satellite Centre and the Swiss Agency for Development and Cooperation (SDC). It supports climate-informed and evidence-based Village Development Planning by integrating geospatial, climate and socio-economic information.

GeoCLEAR directly supports the Community Livelihood Enhancement and Resilience (CLEAR) Project, implemented by the Poverty Reduction Fund under the Ministry of Agriculture and Environment, with support from SDC and the World Bank. The project aims to improve rural livelihoods, infrastructure, nutrition and climate resilience through community-driven development.

The GeoCLEAR Terms of Reference envisage Training of Trainers activities in six district headquarters to strengthen technical capacity in geospatial information management, mapping and their application in Village Development Planning. United Nations Satellite Centre has already delivered one training in Nga District.

EVENT OBJECTIVES

United Nations Satellite Centre will conduct one centralized five-day Training of Trainers in Luang Prabang from 9 to 13 November 2026. The training will bring together participants nominated by the CLEAR team, as well as relevant provincial authorities and project staff.

Participants will receive practical training on offline village maps, the GeoCLEAR Village Profiling Platform, GeoLibre, UN-ASIGN, Integrated Climate Risk Mapping and spatial multi-criteria decision analysis. The training will also prepare participants to apply these tools in their work and transfer the knowledge to colleagues and local stakeholders.

LEARNING OBJECTIVES

At the end of the course, participants should be able to:

- Explain the role of geospatial information, hazard and climate data, and GeoCLEAR tools in climate-resilient Village Development Planning.
- Interpret printed village maps to identify key features, places and people at risk, and add tags and notes to support planning.
- Use ICRM and GeoLibre online and offline to view village information, measure distances, draw features and produce printable maps.

- Collect, submit and review geo-tagged photos and GPS data with UN-ASIGN and GeoLibre for project monitoring.
- Analyse village hazards, climate risks and development needs, and devise solutions using GeoCLEAR tools.
- Prepare and facilitate a short practical training session on a GeoCLEAR tool for colleagues or village stakeholders.

CONTENT AND STRUCTURE

The course introduces the GeoCLEAR workflow for Village Development Planning and combines technical instruction with trainer-focused practice. Participants will work with UN-ASIGN for geo-tagged field data collection; GeoLibre for web-based mapping and visualization; the GeoCLEAR village profiling and Integrated Climate Risk Mapping platforms; spatial multi-criteria decision analysis for participatory planning; and static village profile maps. Scenario-based exercises, group facilitation practice and assessment activities will help participants become district-level resource persons capable of supporting future users.

METHODOLOGY

This is a full-time, in-person Training of Trainers combining presentations, live demonstrations, interactive discussions, hands-on lab exercises and scenario-based simulations. Approximately 70% of the programme will be practical and 30% will consist of lectures and facilitated discussions. Participants will also practise delivering selected exercises, supporting peers and applying the tools to Village Development Planning scenarios.

TARGETED AUDIENCE

The Training of Trainers is intended for participants nominated by the CLEAR team, including District Climate-Resilience Engineering Officers, District Climate-Resilience Adaptation Officers, Climate-Resilience Young Graduates, provincial authorities and CLEAR field staff. Participants should have basic digital literacy and an interest in applying and transferring geospatial skills within their day-to-day work. Previous GIS experience is useful but not mandatory.

ADDITIONAL INFORMATION

Lab exercises will be based on the Village Profiling web-based application developed by UN Satellite Centre, UNASIGN mobile App, and open-source Geo-Libre web mapping application.