Data Collection and Field Mapping

Specialization Course

milsat

Table of contents

Overview

This comprehensive course is designed to equip participants with the essential skills and knowledge needed for effective field data collection, spatial analysis, and utilizing cutting-edge data collection technologies. The curriculum covers a wide range of topics, including the methods, procedures, and technologies employed in field data collection, with a specific focus on the Milsat Enumeration Network.

Objectives

The objectives of this training are to:

- Understand the Fundamental principles and Methods of Both qualitative and quantitative field data collection
- Develop Skills in designing effective questionnaires and sampling
- Gain Insights into the ethical considerations and Challenges associated with field data collection
- Familiarize Asprinant with Milsat Data Collection Tool
- Empower Participants to contribute to Milsat Enumeration Network

Required Materials

- You need A mobile device (Android Version 10.0 and Above)
- Access to internet connectivity.
- Understanding of geographic concept

Assignment and Grading

The assignment structure for this course would;
- Test your knowledge and understanding of Data Collection ;
- Test your Practical Knowledge of Field Field Mapping
- Help you understand how it can be applied to solve a problem in your preferred field.

Program Schedule

Courses	Lessons	Description	Goals	Tasks
1	Introduction to Data collection and Field Mapping	• Overview of Field Data Collection • Methods in Field Data Collection • Procedure in Field Data Collection	Build a solid understanding on the concepts of field data collection.	An essay on your understanding of GIS and how it can be applied to your present field.
2	Guide to Field Data Collection	• importance of Spatial Dimension in Field Data Collection • Understanding Questionnaire Designs • Improving Data Collection with Structured Questions	Improve data collection outcomes through strategic question arrangement.	Deliver a presentation on Best Practices for Developing Questionnaires
3	Satellite Image Interpretation	• Overview of Image Interpretation • Element of Image Interpretation • Application of Image Interpretation in Data Collection	Understanding the Importance of Image Interpretation in Data collection	An Essay Stating the Understanding of Image Interpretation in Data Collection
4	Technology and Field Devices	• Learn the basics of data collection technology using; i)Enumeration pad, ii)Enumeration Dashboard iii) Milat Questionnaire Console iv)Milsat Real-Time Monitoring dashboard • Field Practical	Application of these tools in practical situations	Execute the operations following the instructions in the manual using the basic geoprocessing tools.
5	Milsat Enumeration Network	• Overview of Milsat Enumeration Network • Guidelines for the Milsat Mapper Network • Mappers Network Peculiarities	Master the skill of swiftly understanding data through efficient and straightforward queries	Perform simple basic queries as stipulated in the exercise and record your observations.

| 6 | Guidelines for the Milsat Mapper Network | • Activities of the Mappers
• Policies governing projects
• Details on project policies | Familiarization of the guidelines and project policies | Understanding basic Milsat Mapper Network |
| 7 | Mappers Network Peculiarities | • Payment
• Achieving Data Integrity
• Blacklisted Mappers
• Who we are | Understand Mappers Network Peculiarities | Acquire certification |

Training Methodology

- Audiovisual content
 - Document
- Assessment tasks

Note: This comprehensive course provides an in-depth exploration of field mapping and data collection, emphasizing the integration of technology and field devices. Practical exercises guide learners through Milsat Enumeration Network protocols, offering valuable insights into mapping and enumerating diverse environments

Therefore it is important to pay proper attention to detail and follow through diligently.