



Laboratory for Conservation of Endangered Species,
Centre for Cellular and Molecular Biology, Hyderabad



National Mission on Himalayan Studies
Government of India



Centre of Research for Development
University of Kashmir, Hazratbal

Two day workshop on basic open source GIS

Learn the essentials of basic open source in GIS- Beginner Level!

Organizer: Centre for Cellular and Molecular Biology (CSIR-CCMB), Hyderabad

Venue: Centre of Research for Development (CORD), University of Kashmir, Hazratbal, Srinagar.

Date: 16-17, March 2020.

About the Workshop: Use of Global Information System (GIS) in the field of Landscape Ecology and Conservation Biology has grown importance in terms of predicting changes in distribution for conservation prioritization. Open source GIS is a popular tool for the analysis of geospatial data This workshop aims at giving hands on training to the participants on various aspects of data handling and analysis using open source GIS. *Some basic knowledge of GIS tools is expected!*

Important: Applicants must get NOC from the parent department for participation in the workshop (i.e. approval from Director/HOD/Guide with sign & seal on the application form).

Essential requirements: Laptop for installation and use various open source GIS softwares and packages, and an android smart phone for some installation of some related apps.

Seats: 25 + (5 reserved)

Participant Fee: Nil

Who should apply: PhD researchers of KU from Ecology/Biological Sciences/Environmental Sciences.

How to apply: Get the registered application form from the office CORD, fill it (with NOC) and submit to the Office, CORD, KU before **25th February, 2020.**

Course content

Day 1 - 16th March

Introduction

Overview of data sources, features and examples in open source GIS

Tea break and installation of softwares

Continue with overview of data sources

Lunch break

Field based data collection

Tea break

Visualization of data

Day 2 - 17th March

Case study – Habitat Suitability Modeling

Tea break

Hands-on training on use of data - break into groups

Lunch break

Case Study – Ecological Niche Modeling

QGIS tutorials

Installation of softwares for participants.

Andorid app - GPS test, Chatross Led v.4.2 in Android mobile phone

QGIS 2.18 Version in laptops

Local course coordinator: Dr. Tawqir Bashir, INSPIRE Faculty, CORD, KU. Contact: +91 9906599481.

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