

Second one-day occupancy modeling workshop

The second workshop on occupancy modeling was organized on July 24, 2022 at the Nature Conservation and Study Centre's office located in Prayagmarg, Kathmandu. There were altogether three participants with academic levels ranging from bachelor's to master's. The participants were affiliated to Central Department of Zoology, Central Department of Environmental Science and Institute of Forestry of Tribhuvan University.



The workshop took place from 10:00 am to 4:00 pm under the instruction of Mr. Manoj Pokharel. The program started with an introduction to the fundamental concepts and terminologies of occupancy with a focus on single-season single-species occupancy modeling. Next, the methods for collecting data and preparing it for occupancy analysis were explained to the participants. This was followed by data standardization and the fitting of detection and occupancy models. The last section covered how to select appropriate models and interpret regression coefficients of the variables. Following insightful discussions and participants' feedback, the session was formally concluded.

Table: Schedule of the one-day occupancy modeling workshop

Time	Activity
10: 00 – 10: 30	Registration and introduction
10: 30 – 11: 00	Occupancy modeling – concept and terminologies
11: 00 – 11: 10	Short break
11: 10 – 11: 40	Necessary R packages installation
11: 40 – 12: 10	Data preparation and loading to R
12: 10 – 1: 00	Data standardization and correlation test
1: 00 – 1: 30	Lunch break
1: 30 – 2: 15	Fitting detection models
2: 15 – 2:25	Short break
2:25 – 3: 10	Fitting occupancy models
3: 10 – 4: 00	Questions and concluding remarks