



GEOSPATIAL ANALYSIS OF LAND USE/LAND COVER CHANGE AND TIGER HABITAT SUITABILITY OF BUXA TIGER RESERVE, WEST BENGAL, INDIA



Name: Srabani Bardhan
Designation: Research Intern
Institution: ISTAR

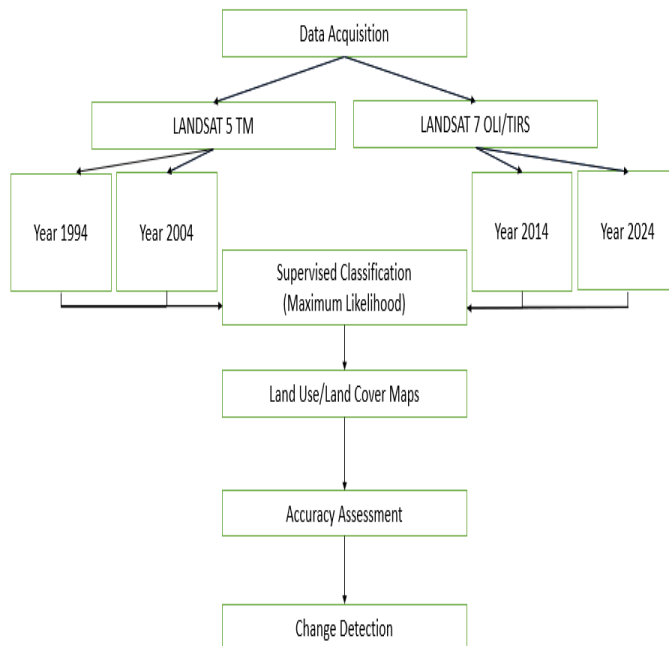
Internal Guide: Dr. Krunal Suthar
Contact e-mail: krunal.suthar@cvmu.edu.in
External Guide: Dr. Monjit Borthakur
Contact e-mail: monjit.borthakur@cottonuniversity.ac.in



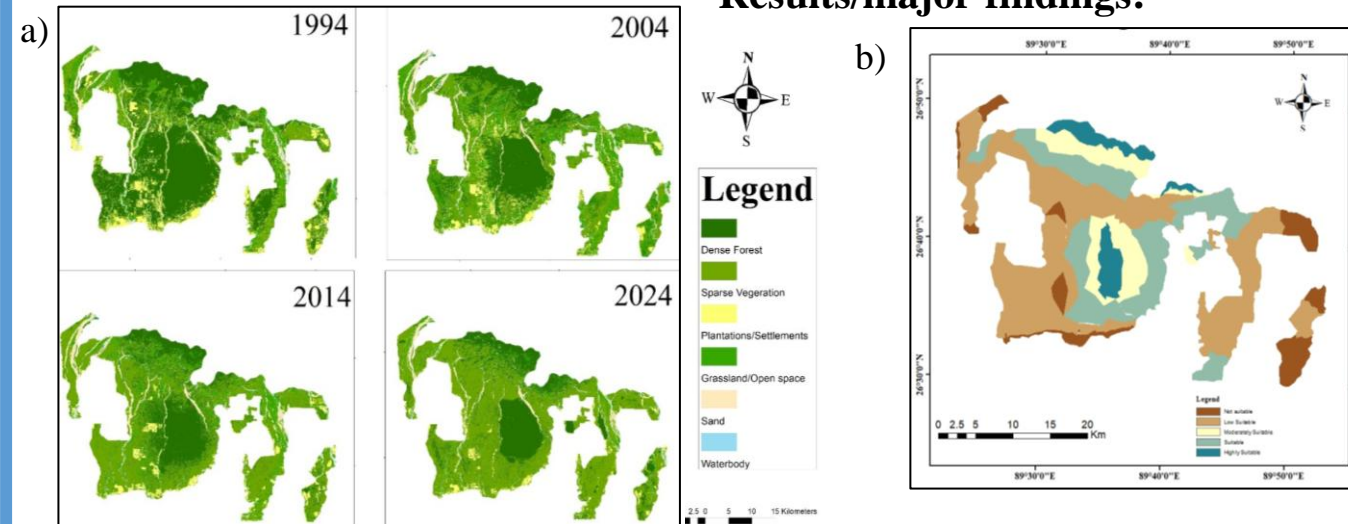
16th Dec to 14th Apr

Major objectives:

- To find out the changing pattern of land use/land cover of the Buxa reserve forest, 1994-2024.
- To analyse the habitat suitability of the tiger in the Buxa reserve forest.
- To explore the appropriate initiatives to preserve the tiger population in the Buxa reserve forest.



Results/major findings:



Figure(a) shows the LULC change over the years. Figure(b) shows different variations of the habitat suitability of tigers.

Conclusion: The study highlights the gradual changes in Buxa Tiger Reserve and maps the changes that occurred in the region. It also shows the suitability areas of tiger and if they can match their environment in the forest.