

Mapping Sacred Groves of India

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ABSTRACT

In this project we marked the sacred groves of India on a map using python. Around 450 sacred groves have been marked by us on the Indian Map

OBJECTIVE

To plot the sacred groups present in India on the Indian Map

Sacred Groves



http://frienvic.nic.in/Database/SignificanceofSacredGrovesinConservationofBiodiversity_1792.aspx?format=Print



<https://www.thehindu.com/sci-tech/energy-and-environment/sacred-groves-of-the-western-ghats-are-shrinking-and-their-deities-being-sanskritised/article22260107.ece>

RESULTS

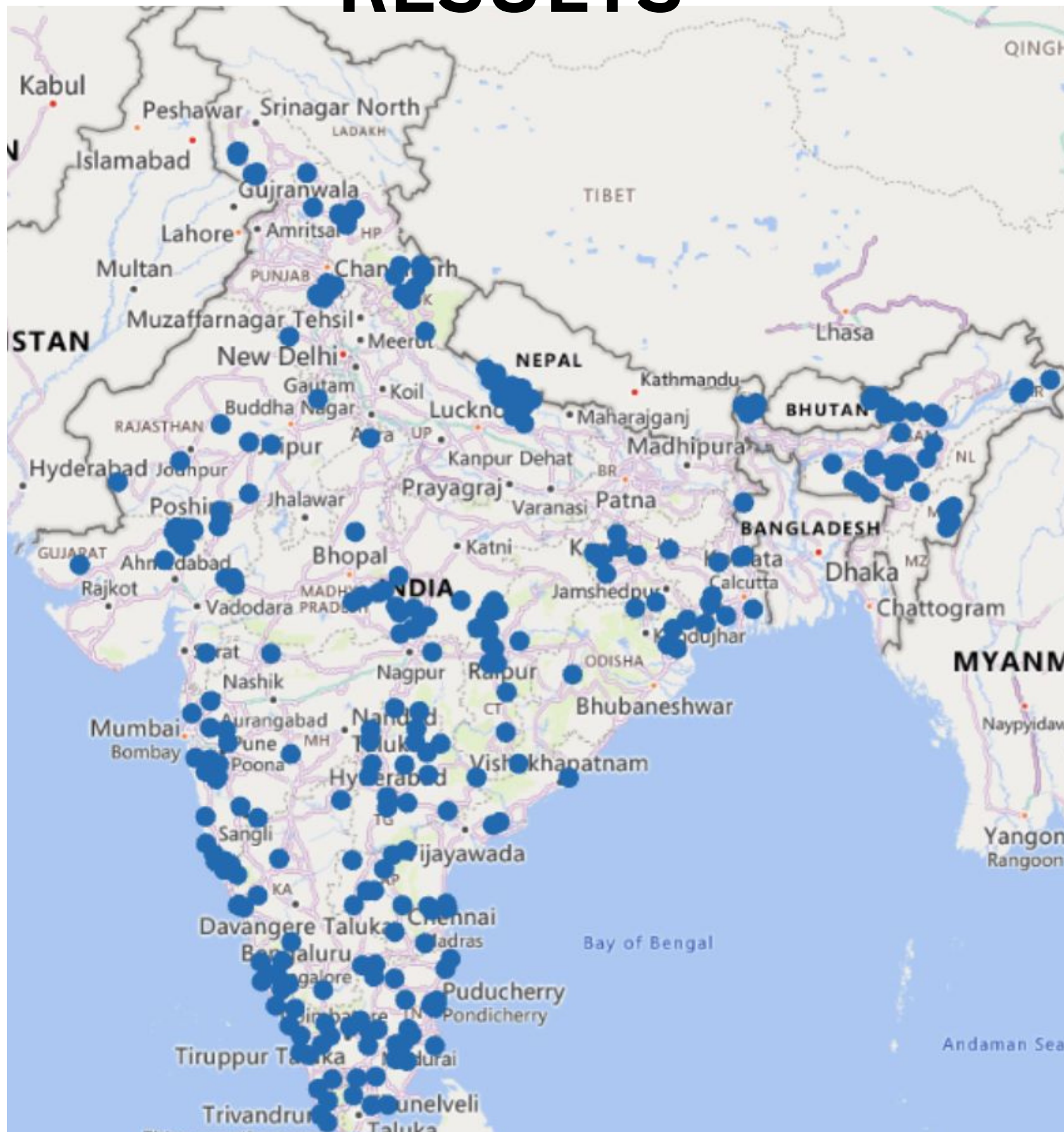


Fig 1. Sacred groves marked on Indian Map

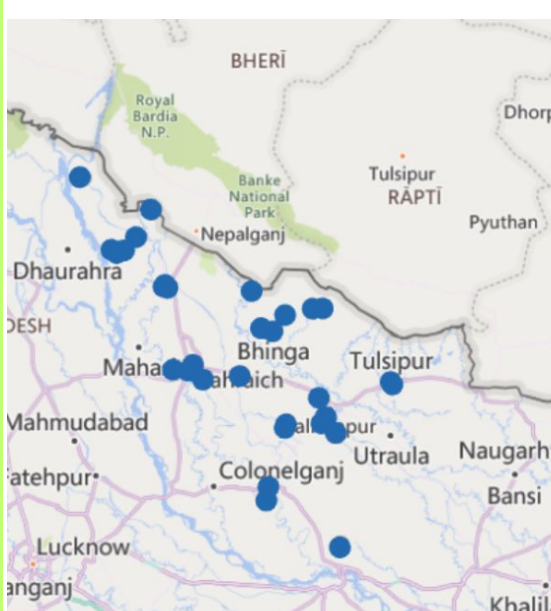


Fig2. Showing sacred groves on district

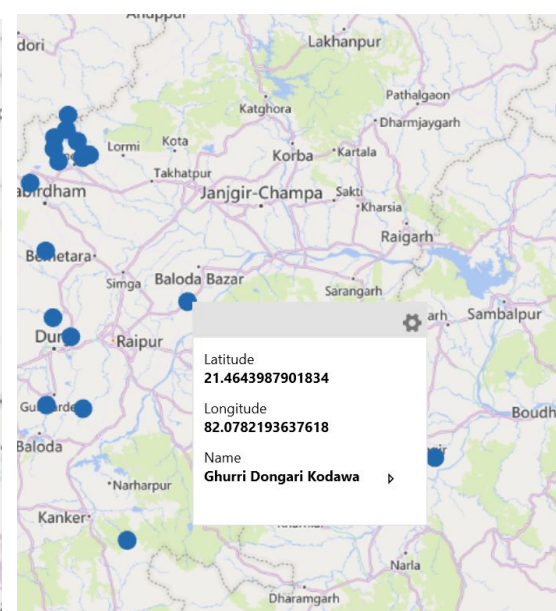


Fig3. Information on a marker

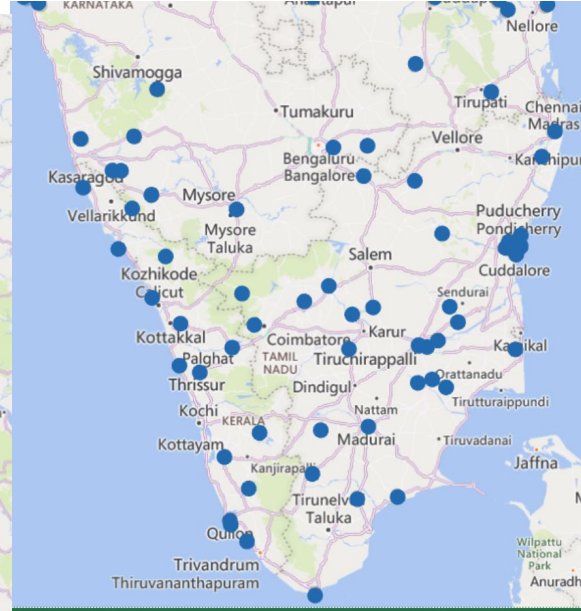


Fig4. Showing sacred groves on southern states

INTRODUCTION

Sacred groves are natural areas that have been preserved for religious or cultural reasons. These groves are often considered to be sacred or holy and are protected by local communities. These groves have been preserved for centuries and are important for the biodiversity they support as they are home to a wide range of plant and animal species, many of which are rare or endangered. They are also important for the livelihoods of local communities, who depend on them for food, medicine, and other resources

METHODOLOGY

In **Python**, we installed **Geopy** for finding the coordinates of a place. It contains geocoder class, which uses **ArcGIS** API for finding the coordinates of any place. After that, we used **Folium** library, which is used for binding the data to the map and visualizing it, which can then convert python codes into JS, HTML or CSS. Then, to pinpoint the exact location on the map, we used **marker**. It is the different layer upon the base map, another layer can be added using **add_child**. then after completely plotting the groves on maps .

CONCLUSION

In conclusion , we have identified and plotted 450 sacred groves in map of India using python. These groves have high biodiversity and provide important ecosystem services. Our analysis reveals that sacred groves are distributed across India, with concentrations in different regions.

REFERENCES

- Softdemic.(2021,September 4).How to plot latitude and longitude on the map using python. [Video].YouTube.<https://www.youtube.com/watch?v=g4rY-dGkBW8>
- Sacred Forests. (2005). Cpreecenvic. http://cpreecenvic.nic.in/Database/Groves_811.aspx

QR Code

