

Revisiting current distribution and future habitat suitability models for the endemic Malabar Tree Toad (*Pedostibes tuberculosus*) using citizen science data

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Abstract

Climate change is one of the major drivers of biodiversity loss, and amphibians are one of the more sensitive groups to climate change. Ecology, habitat requirements, narrow thermal tolerances, and limited abilities. We projected the influence of climate change on the Toad (*Pedostibes tuberculosus*; hereafter MTT) from the 2020s to 2080s in India, for two different shared socio-economic pathways (SSPs) and approaches for current and future (2061–2080) scenarios. Data comes from a citizen science program, 'Mapping Mala' (Mala Watch), Frog Watch citizen science program, India Biodiversity Hotspots, and availability of suitable habitats for the MTT in Protected Areas (PAs) in future scenarios. Our results show that annual precipitation, bioclimatic variable influencing the distribution of MTT, and Ensemble (ESM) modeling algorithms. The predicted change in environmental layers using MEM was 4556.95 km² where

The Mapping Malabar Tree Toad Programme

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