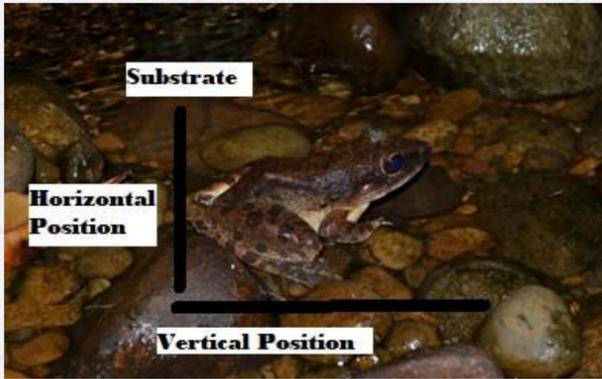


GRAPHICAL ABSTRACT

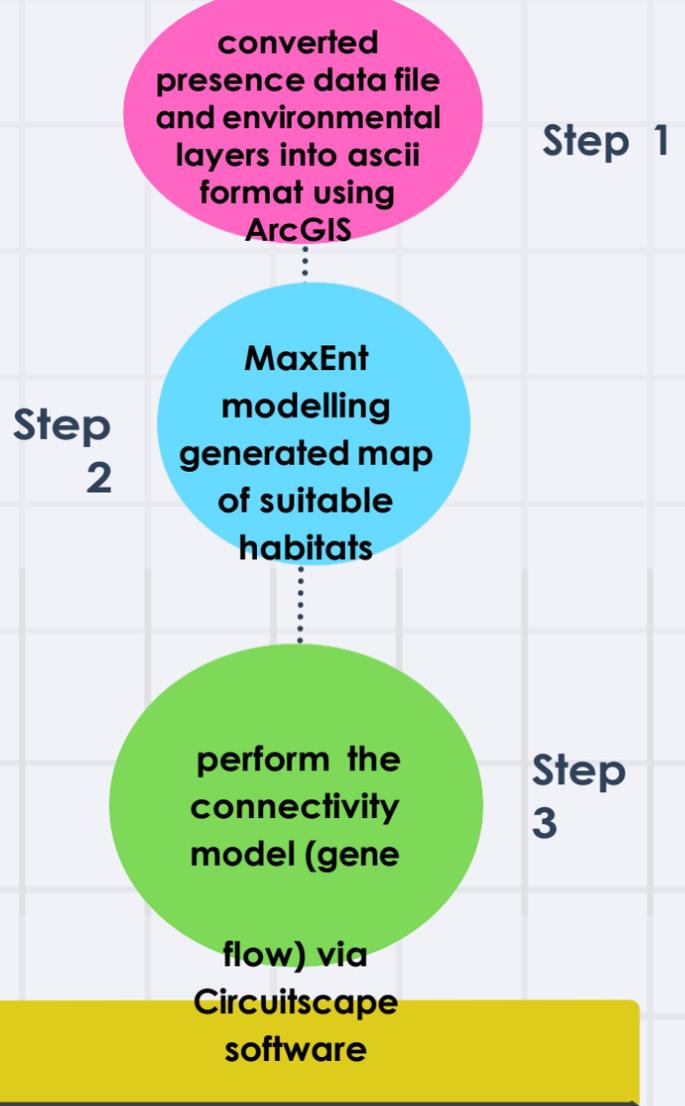
PRIORITISING CONSERVATION AREA IN SPECIES MANAGEMENT STRATEGY FOR THE EDIBLE BORNEAN GIANT RIVER FROG *LIMNONECTES LEPORINUS* ANDERSON 1923

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Limnectes leporinus, the endemic giant river frog, is a riparian (stream dwelling) species that lives along streams with moderate to steep gradients



METHODS



SPECIES THREAT

The most serious threats to the species are deforestation caused by severe clear cutting, which fragments its distribution, and overhunting for local consumption

OBJECTIVES

To project suitable habitats and predict the potential for habitat connectivity to allow gene flow across the Sarawak landscape

Created a map of acceptable habitat for anuran species using three factors (species distribution, genetic data, and microhabitat utilization).

Suitable habitats corresponded to species distribution in lowland areas with sustainable stream networks as breeding sites, while higher elevations were identified as unsuitable habitats

Gene flow data revealed that

connectivity circuits are mostly found in unprotected forest, which includes development areas and private lands.

Prioritising conservation areas should include local governments and landowners in proper landscape

management as well as species management strategies

