

# JALOVA

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## WILDLIFE CONSERVATION



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# JALOVA WILDLIFE CONSERVATION

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Join one of our flagship research projects to develop hands-on practical fieldwork experience or complete an independent research project as part of your undergraduate or postgraduate dissertation.

Pristine habitat and unique access to national park and environment (closed off to the public), over 500 vertebrate species recorded.



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# RESEARCH OBJECTIVES

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## HUB OBJECTIVES INCLUDE

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- Build a species inventory and investigate species abundance, diversity and ecology across the different habitat types surveyed on behalf of Tortuguero National Park.
- Gain a better understanding of the size of populations of endangered species (manatee, Geoffroy's spider monkey and great green macaw) for MINAET (Ministry of Environment and Energy of Costa Rica) and ACTo (Tortuguero Conservation Area).
- Support our partners to increase the current knowledge of jaguars, other wild cats and their prey species in Tortuguero National Park for Coastal Jaguar Conservation (CJC).



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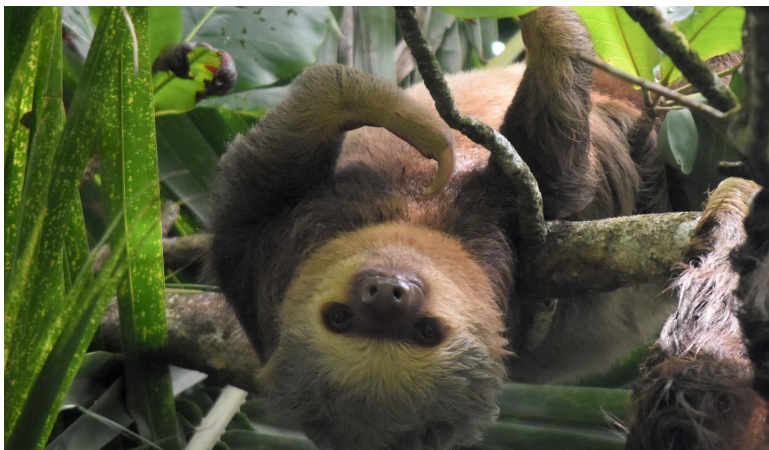




# RESEARCH OBJECTIVES

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- Contribute to the long-term monitoring of endangered sea turtles in Tortuguero National Park for Sea Turtle Conservancy (STC).



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# FLAGSHIP RESEARCH PROJECTS

## BIODIVERSITY IN TORTUGUERO NATIONAL PARK

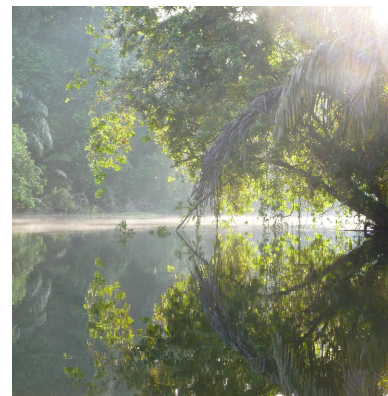
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**Site:** Swamp forest, dense forest, and coastal forest

**Research focus:** Analyse the habitat preferences of specific species or overall species abundance

**Methodology:** Transect surveys, point counts

**Partners:** Tortuguero National Park



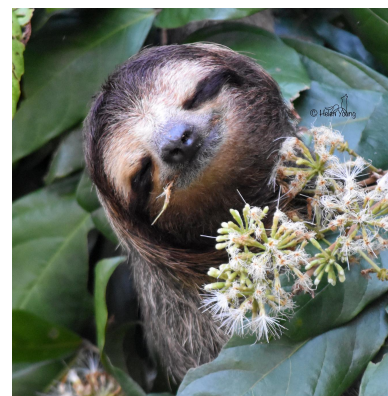
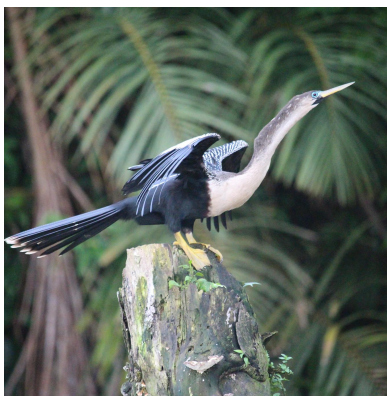
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# INDEPENDENT RESEARCH PROJECTS

## HUB TOPICS INCLUDE

- Butterflies
- Birds
- Amphibians
- Mammals
- Reptiles
- Habitat preferences
- Predator-prey relationships



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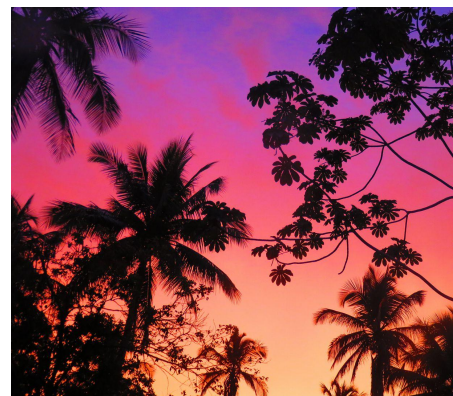


# INDEPENDENT RESEARCH PROJECTS

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Estimating the Geoffrey's Spider Monkey population size, or behavioural dynamics and habits.

**Limitations:** cannot design own surveys (due to national park restrictions and permit restrictions) or have access to jaguar and sea turtle datasets.



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# EXISTING DATASETS

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## AVAILABLE DATASETS INCLUDE

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- 6 years of data including track, sighting and vocalization data for all mammal, bird, reptile and amphibian species (forest).
- 5 years of data observing aquatic birds in canals of the national park (age, sex, group size, and breeding characteristics).
- 10 years of data (frequency) of incidental sightings for all species within the national park.
- 2 years of data from sweep netting and bait traps for butterfly species inventory, habitat, and sightings (forest and plantation).



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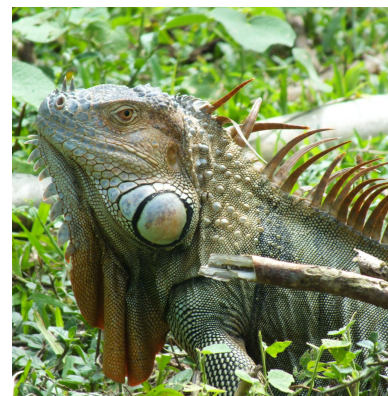




# TARGET SPECIES

## BIRDS

- Common black-hawk
- Great curassow
- Chestnut-backed antbird
- Western-slaty antshrike
- Bay wren
- Montezuma oropendola
- Collared aracari
- Keel-billed toucan
- Chestnut-mandibled toucan
- Reat tinamou
- Fitzinger's rain frog
- Green climbing toad
- ... includes additional species



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# TARGET SPECIES

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## MAMMALS

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- Mantled howler monkey
- Geoffroy's spider monkey
- White-throated capuchin
- Central American agouti
- Red brocket deer
- Northern tamandua
- Baird's tapir
- White-lipped peccary
- White-nosed coati
- Slaty-Tailed Trogon
- Black-throated trogon
- Violaceous trogon
- Red-capped manakin
- White-collared manakin



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# TARGET SPECIES

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## AMPHIBIANS

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- Red-eyed treefrog
- Scarlet-webbed treefrog
- Olive-snouted treefrog
- Tink frog

## REPTILES

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- Eyelash palm pitviper
- Fer-de-lance
- Central American whiptail
- Four-lined whiptail
- White-lipped mud-turtle
- Slender anole
- Stream anole
- Ground anole
- Pug-nosed anole



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