# IOWA STATE UNIVERSITY

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## **Remote Sensing for Primate Conservation:**

Interactions Between Savanna Chimpanzees and Multi-scale Mining Land Cover and Land Use Changes in Sénégal



#### Story Map Introduction

Presently, the West African nation of Sénégal is experiencing an extraction boom. Consequently, the mining

industry is the biggest threat to the survivability of the Western chimpanzee (*Pan troglodytes verus*), also known as the savanna chimpanzee. In this region, savanna chimpanzees encounter ecological pressures from anthropogenic disturbances associated with mining development, such as deforestation and habitat fragmentation for the creation of mining infrastructure and extraction. Remote sensing is used extensively in other regions of the world to track land cover and land use changes around mining activities. This project applied remote sensing techniques to track multi-scale mining land cover changes combined with savanna chimpanzee nesting patterns to determine if mining development is having an effect on habitat preference and connectivity.

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