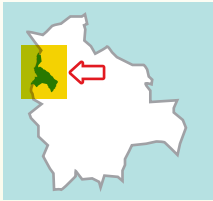


Protected areas and their relationship with food security in a context of climate change: an overview from Bolivia, Brazil and Peru

EXPANDED AREA



▲ Kaa-Iya, Madidi, San Matías and Noel Kempff cover 64% of the forest under legal protection in Bolivia.

MADIDI NATIONAL PARK AND NATURAL AREA FOR INTEGRATED MANAGEMENT (La Paz, Bolivia)

Madidi National Park is one of **22 national**, natural protected areas in Bolivia. It is one of the most biologically rich areas on the planet, which holds:



Protected Flora

3% of the world's plants
8,244 vascular plant species
12,000 estimated number of species of flora¹



Protected Fauna

80% of all the countries mammals
34% of all South American birds
192 species of fish²

18,957,40

legally protected hectares

The Andean Amazon region is possibly the **most important zone** on the planet in terms of its biological and cultural diversity³.

100%

of the world's population depends directly or indirectly on biodiversity and agrobiodiversity for food and subsistence.

Food Security in Madidi

Cooking has become fashionable, and contributed to the "rediscovery" of native ingredients mainly in urban sectors.

Majadito



Bananas

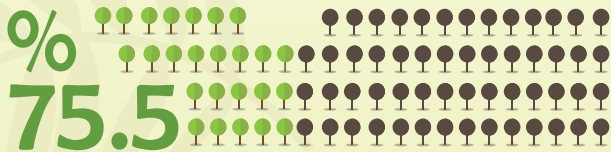


Cassava

Cassava Sonso



wild pig



of the surface of Madidi National Park is affected by oil concessions

Madidi Population Information

31 INDIGENOUS COMMUNITIES

carry out diverse productive activities inside (or within the limits of) protected areas, especially around agriculture and associated tasks.



+80%

of food produced in countries like Peru, Bolivia and Brazil, comes from small farmers or peasants⁴.

Threats to Madidi National Park

- ❖ La Paz-Rurrenabaque Highway Route
- ❖ Cañon del Bala Hydroelectric Project
- ❖ Sugar Cane Plantations
- ❖ Alluvial Gold Mining
- ❖ Oil Concessions
- ❖ Wood Extraction

Resources:

1. Jorgensen *et al.* 2012 2. Sarmiento *et al.* 2012 3. Inter-American Development Bank. (1992) *Amazonía sin mitos*. Comisión Amazónica de Desarrollo y Medio Ambiente. 4. Salcedo, S., Guzmán, L (2014) *La Agricultura Familiar en América Latina y el Caribe: Recomendaciones de Política*. FAO, Santiago de Chile.