

# Review of: "Environmental Representations in Rocky Records in National Parks in Southeastern Piauí – Brazil"

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**Potential competing interests:** No potential competing interests to declare.

Brazil has rich biodiversity and a complex climate. Such an ecological environment will undoubtedly have a great impact on the cultural development of human society. The reason why Serra da Capivara National Park is designated as a valuable heritage of human society is not that its natural landscape is beautiful, but that it has significant cultural value. The discovery of a large number of rock paintings witnessed the diversity of the ecological environment and the development of human art and cognition.

A team's research on these rock art in National Park shows us how to study the information of rock paintings in a comprehensive context. The team consists of many researchers with different disciplinary backgrounds. They analyze scientific evidence to counter poor assumptions and a lack of systematic research and debate. This is indeed the mainstream trend and scientific research paradigm in the current rock art research field.

Serra da Capivara National Park is a tropical rainforest with many kinds of animals and plants. Rock art is just one of the cultural carriers of the environment. This article aims to demonstrate the relationship between the environment in the past and present in the region of the Serra da Capivara and Serra das Confusions National Parks. Through rock paintings, we can observe how prehistoric ancestors perceived their living environment and recorded it. At Toca do Enoque, they can observe the presence of red painting with zoomorph, anthropomorphic and geometric representations. At the Pedras das Andorinhas site, they can observe the presence of engravings and paint in red and white with zoomorph representations, phytomorphand geometric ones.

Landscape archaeology is the study of the ways in which people in the past constructed and used the environment around them. In addition to the traditional excavation, the research methods of landscape archaeology also include GIS, GRS, powder analysis and so on. Figure 1 clearly shows the geography of the two parks with the help of GIS system. Figure 5 can also be seen as a landscape from the perspective of the prehistoric people, in this painting there have felines, trees and anthropomorphs. The application of these means is to answer the question of the role of the "ancients people" in changing their surroundings.

In general, this article shows how to study rock paintings from different angles and multidisciplinary backgrounds, and reveal all kinds of information in rock paintings.