

Which nature do nature-enhanced plantations create: a workers' perspective

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Introduction

We claim that the nature-enhanced design generates human-wellbeing that creates a better working place.

Study case: The Macondo farm consists of natural habitats (e.g. gallery an riparian forest) and oil palms.

Research questions

- 1) How is the relationship of workers with the nature present inside the oil palm plantation?
- 2) How does the workers' perception of nature in the oil palm plantation reflect the naturalization process in the plantation?

Methods

- Field research Oct. 2018 - April 2019
- Five focus group discussions (FGD), 35 in –depth interviews → qualitative content analysis

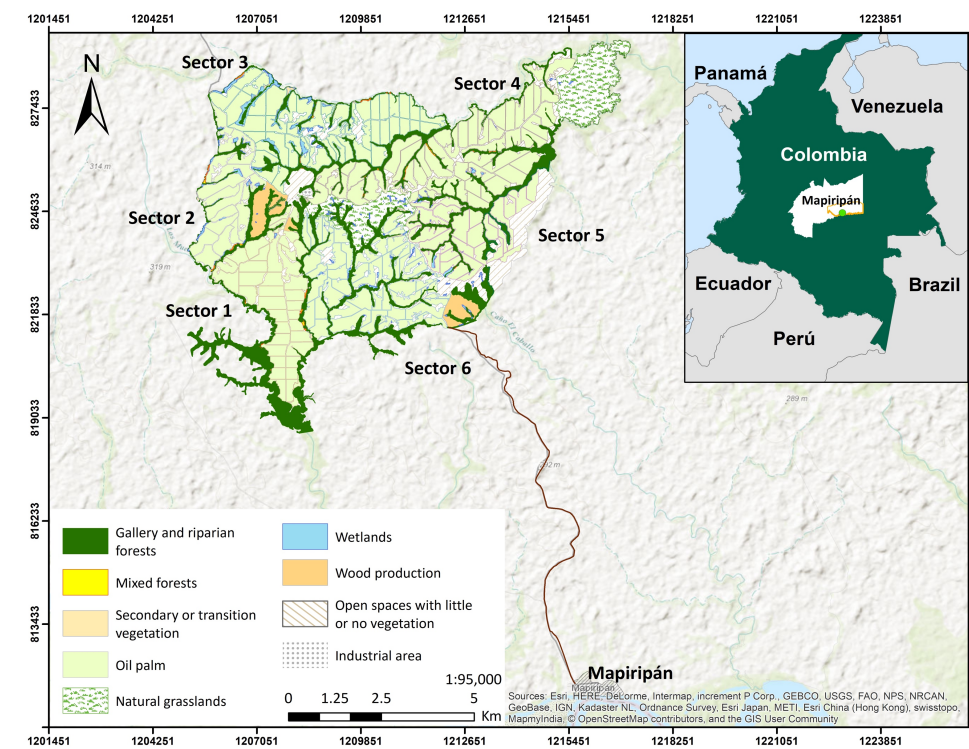


Fig 1. Study area the Macondo plantation showing the land covers

Results

Workers derive a great variety of values from the integration of nature on the plantation: e.g., observe flora and fauna, and biological control.



Observation of fauna: feeling joy and happiness

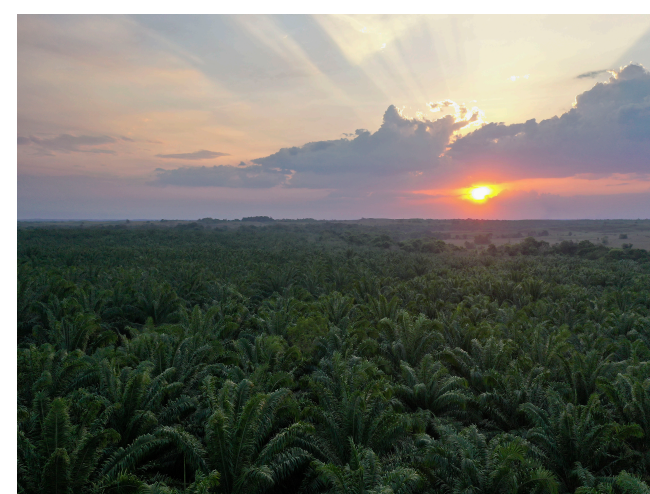


Agricultural pest: *Opsiphanes cassina*

Local fauna act as pest control: less use of chemicals

Local fauna

Workers experience an ambivalent relationship to nature on the plantation: benefits, fear, fascination, positive and negative emotions.



Fascination: a sunset



Fear: presence of wild animals. They might attack workers.

Conclusions

Implementing land sharing and land sparing promotes biodiversity conservation, improvement of working conditions and human well-being.

Co-existence of humans and local species in an industrial landscape.
An industrial agricultural landscape gives space for nature to survive.

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