

## Plan Overview

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*A Data Management Plan created using DMPTool*

**Title:** RELATION OF THE LANDSCAPE ENVIRONMENTAL QUALITY WITH THE AGRICULTURAL COMMODITIES GROWTH IN THE TIETÊ-JACARÉ HYDROGRAPHIC BASIN - SP, BRAZIL

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**Funder:** São Paulo Research Foundation (fapesp.br)

**Funding opportunity number:** 2019/27704-4

**Template:** Digital Curation Centre

### **Project abstract:**

The landscape is modified mainly due to the interactions between biological, economic, physical, political, and social forces, due to the interactions between nature and society. The development of agriculture was and continues to be of prime importance for human populations, with Brazil, since the colonial period, as one of the major countries in this activity. The average rate of agricultural productivity growth in Brazil, between 1975 and 2019, was 3.3% per year, being the leading export country in several sectors. Despite this growth, the country has not planned its territory following the ecosystem's conservation ideals, where deforestation increased exponentially. The issues related to the landscapes, their integration with agricultural factors, and the ecosystem stability have been the subject of debate in all spheres of society, which has influenced the development of modern ecology, producing research about ecosystems' structure and function. This work aims to evaluate the temporal relation between the landscape environmental quality with agricultural commodities' economic growth in the Tietê-Jacaré Hydrographic Basin SP, Brazil. With Geographical Information Systems and bibliographic research, this objective involves the diagnosis of land use and land cover from 1980 to 2020 and the analysis of the growth and appreciation of the agricultural commodities in the same period, seeking to analyze the association of landscape modification due to the growth of the agricultural activities in the region. This will make it possible to identify the temporal patterns of landscape changes revealed by the description and identification of ecological stages, cultural sequences, and economic processes that influence landscape dynamics and that have shaped the current landscape over time.

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Quantitative and qualitative data about environmental quality - expressed in tables, maps, and graphics.

Quantitative and qualitative data about the economic market- expressed in tables, maps, and graphics.

Bibliographic data about the study context- expressed and docx. and pdf. files Geographic Information System data - expressed shp. files and raster format.

The primary data will be collected from governmental agencies, papers, ONGs, etc.). This data will be organized and manipulated to create data about the study area.

Name;

Data;

Region;

Author;

Source;

Format;

This work won't manage any ethical issues.

This work won't manage any copyright and Intellectual Property Rights (IP/IPR) issues.

During the work, the data will be store in the personal hard drive and Google Drive of the student. After the finishing of the project, the data will follow the UNESP storage recommendations.

During the work, only the participants of the project will have access to the data. After the finishing of the project, the data will follow the UNESP storage recommendations.

All the data sharing will follow the UNESP storage recommendations. But all will recommend that the data from the project could be provided without time limits.

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All the data sharing will follow the UNESP storage recommendations.

There are not any restrictions on data sharing.

During the work, the data will be managed by participants of the study. After the finishing of the project, the data will follow the UNESP storage recommendations.

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