

Plan Overview

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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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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Data Collection

What data will you collect or create?

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.

How will the data be collected or created?

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.

Documentation and Metadata

What documentation and metadata will accompany the data?

Name;

Data;

Region;

Author;

Source;

Format;

Ethics and Legal Compliance

How will you manage any ethical issues?

This work won't manage any ethical issues.

How will you manage copyright and Intellectual Property Rights (IP/IPR) issues?

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

Storage and Backup

How will the data be stored and backed up during the research?

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.

How will you manage access and security?

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.

Selection and Preservation

Which data are of long-term value and should be retained, shared, and/or preserved?

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.

What is the long-term preservation plan for the dataset?

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.

Data Sharing

How will you share the data?

All the data sharing will follow the UNESP storage recommendations.

Are any restrictions on data sharing required?

There are not any restrictions on data sharing.

Responsibilities and Resources

Who will be responsible for data management?

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.

What resources will you require to deliver your plan?

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.
