

## Plan Overview

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*A Data Management Plan created using DMPTool*

**DMP ID:** <https://doi.org/10.48321/D1189F>

**Title:** Territorial development with sustainability of backlands of Alagoas and study of biomass available for the sustainable production of small ruminants

**Creator:** Fabricio Pilonetto - **ORCID:** [0000-0002-2161-0831](https://orcid.org/0000-0002-2161-0831)

**Affiliation:** Universidade de São Paulo ([www5.usp.br](http://www5.usp.br))

**Principal Investigator:** Adibe Luiz Abdalla

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**Template:** Digital Curation Centre (português)

### Project abstract:

In this project, we admit the conception that the recent transformations of the rural world establish a new territorial dynamic, based on the interactions of the forms of organization of producers in the various Alagoas' contexts. This work aims to contribute to studies on rural areas. The object of study is a research on the territory to highlight aspects that distinguishes it in the economic, social and political contexts in the various Alagoas' contexts as well as a practical research on the use of natural plant resources in the region to minimization of greenhouse gas emission GHG by small ruminants created in the Caatinga region of the backlands of Alagoas. Ruminant production has had and will continue to play an important role in sustainable agricultural systems. With ruminants, areas not available for agricultural cultivation become productive with the production of biomass and nutrients; and the use of agricultural waste in the region should be used in the production of animal protein. The objective of the project is to examine the impacts of alliances and practices of rural producers on territorial dynamics, from a multidisciplinary perspective, in the context of the Alagoas backlands and its possibilities for contributions in minimizing negative anthropic effects from agriculture with more environmental friendly investments in rural communities, as a parameter the production of enteric methane in the production of small ruminants. The project also proposes to establish the food evaluation laboratory on Campus II - Uneal, to support the proposed tests to study the nutritional quality of forage biomass available for the production of small ruminants in localities comprehensive of the study area and information to estimate the consumption of forage biomass available for small ruminants with a view to the production of foods of high biological value in a safe and sustainable way. It is also intended to generate data that can corroborate to the elaboration of scenarios and modelling scans in biodiversity studies and proposals for public policies.

**Start date:** 02-01-2021

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## **Territorial development with sustainability of backlands of Alagoas and study of biomass available for the sustainable production of small ruminants**

Data from farms will be collected to record information relevant to the 'in loco' livestock and agricultural production system.

A form will be applied with questions that raise information relevant to the property and its agricultural activities.

In order for the data to be read and managed properly, it will be necessary that:

- Knowledge of the study area;
- The user has knowledge of Excel tools;
- R or Python programming language and data management packages;
- Basic statistics and provision of data quality;

All this information is defined at the time of collection and database enrichment.

Research results will be published and data collection will follow the recommendations of the relevant ethics committee.

Personal information will not be made available.

The data will be stored on a remote desktop and by InterNuvem USP computational resource.

Access to data will be released upon consultation with the main researcher, through guided access, user login and password.

New information can be added to the database regardless of time. New values can be added and analyzed for the duration of the project and others that may occur.

The study is timeless if the objective is to enrich the database with new information.

The plan to preserve the data is to maintain the management and update of the database with new information and values. The data collection period must be defined, and a new set of information must be incorporated and saved on a remote desktop and/or stored in the cloud.

Data will be shared upon prior request to the responsible researcher and database manager.

Not applicable.

Main researcher and collaborators will have access to the database and will be able to manage it.

To deliver the plan, access to the data repository contained in the remote desktop and InterNuvem will be required. This access will be allowed upon prior request, to the responsible manager and researcher.

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## Planned Research Outputs

### Text - "Expected results"

This project was designed to generate 4 to 6 scientific articles, supervise 01 post-doctoral researchers and train 01 PhD and 02 Masters. The results of this research are intended to generate knowledge and mainly data and information relevant to the sustainable production of ruminants in the region of the hinterland of Alagoas in the face of climate change and the production of food of high biological value in a safe and sustainable way; likely to corroborate in the elaboration of scenarios and modeling in biodiversity studies and public policies.

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### Planned research output details

Title	Type	Anticipated release date	Initial access level	Intended repository(ies)	Anticipated file size	License	Metadata standard(s)	May contain sensitive data?	May contain PII?
Expected results	Text	Unspecified	Open	None specified		None specified	None specified	No	No