

## Plan Overview

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*A Data Management Plan created using DMP Tool*

**DMP ID:** <https://doi.org/10.48321/D14T1V>

**Title:** Multivariate Analysis for Linear Erosive Process Modeling.

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**Template:** Digital Curation Centre

### Project abstract:

Erosion is among the environmental degradation processes that have the greatest geographic reach and that impact large and varied populations throughout the world, causing losses in the physical and socioeconomic environment. However, the overwhelming majority of studies on erosion processes in Brazil tend to focus on identifying the most critical conditions of some environmental components for such processes to occur in a given area, or on identifying specific quantitative mechanisms of some of these components, in particular, soil and relief. The most robust models developed abroad are well suited

to conditions in regions with temperate and cold climates, but present serious limitations for application in tropical environments. Once developed, the analysis system can be easily adapted for subsequent application in many regions of Brazil.

**Start date:** 02-01-2022

**End date:** 03-13-2025

**Last modified:** 07-08-2024

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## **Multivariate Analysis for Linear Erosive Process Modeling.**

### **Data Collection**

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#### **What data will you collect or create?**

In developing this Plan, the team collect and create this classes of data: (1) physical, mechanical, and chemical properties of soil units conditioning erosion outset and evolution; (2) physical, mechanical, and chemical properties of rock units conditioning erosion outset and evolution; (3) relief attributes condicioning surface and subsurface flows; (4) clima contitions, its dynamic in time, and peculiar events that change water flows in land surface; (5) land use and cover status, temporal and spatial dynamic, due to natural and manmade processes.

#### **How will the data be collected or created?**

Data will collected from digital and analogical data bases of maps and imagery. The set of created data will be produced from field survey.

### **Documentation and Metadata**

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#### **What documentation and metadata will accompany the data?**

Multivariate Analysis for Linear Erosive Process Modeling.

CNPq Process # 311393/2021-7

Research Coordinator José Augusto Di Lollo

### **Ethics and Legal Compliance**

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#### **How will you manage any ethical issues?**

Yhere is no data or information that presents ethical conflicts

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

Question not answered.

### **Storage and Backup**

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

I have sufficient storage services. Data will be backed up in cloud services accessible to project team. I will be responsible for backup and recovery. In the event of an incident, data be recovered from collaborators backups.

#### **How will you manage access and security?**

Question not answered.

## **Selection and Preservation**

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

There is no need of data retained/destroyed. Data will be retained and preserved for five years.

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

Question not answered.

## **Data Sharing**

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**How will you share the data?**

Potential users will find out about data from public platforms and articles. The data will share via a repository with other researches, with no conditions limitations.

**Are any restrictions on data sharing required?**

Are no restrictions on data sharing.

## **Responsibilities and Resources**

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**Who will be responsible for data management?**

José Augusto Di Lollo

**What resources will you require to deliver your plan?**

Only those already obtained through CNPq financing.

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**Planned Research Outputs**

**Dataset - "Maps and charts. "**

Set of maps and charts produced to represents the spatial distribution of natual and manmade attributes in erosive processes modeling.

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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?
Maps and charts.	Dataset	2023-02-28	Open	National Center for Earth-Surface Dynamics Data Repository	100 MB	Creative Commons Attribution 4.0 International	None specified	No	No