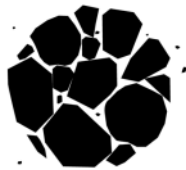


0111 - PRETATERRA - Agroforestry | Regenerative Agriculture

[Home](#) | [Events](#) | [Search by label](#) | [Get a booth](#) | [FAQ](#) | [Chat](#)

[Summary](#) | [Presentation](#) | [Images](#) | [Videos](#) | [More](#) | [Meet the team](#) | [Contact](#) | [Events & Calls](#) | [Resource](#) | [Profile](#) | [Handouts](#)

Exhibitor



PRETATERRA

PRETATERRA

<https://www.pretaterra.com/>

Team

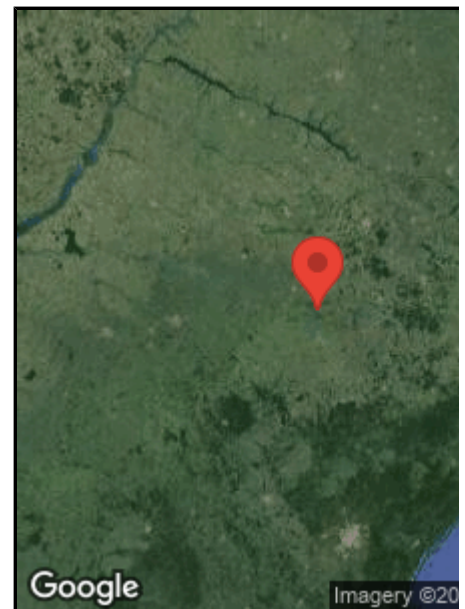
Paula Ponteli Fernandes Costa

Alana Lea

Ivani Pauli

Valter Ziantoni

Location



Timburi - São Paulo | Brazil

Summary

PRETATERRA - AT THE FOREFRONT OF AGROFORESTRY!

We develop replicable designs of regenerative agroforestry systems, combining scientific data, empirical information and traditional knowledge with technological innovations, building a new productive paradigm that is sustainable, resilient and long-lasting.

In order to make large-scale agroforestry systems viable, while maintaining their complexity, it is necessary to structure information and data, automate design, sistematize inputs and standardize field operations. PRETATERRA designs integrated systems within this scope, assisting from diagnosis and planning, to the implementation, conduction and management of integrated production systems. Other surveys, diagnostics, inventories and records are part of our portfolio.

If you are here, you share our vision in the search for a productive and integrative system based on biodiversity that is also dynamic and resilient.

So, let's keep in touch for partnerships!

**PLEASE LEAVE US A MESSAGE BELOW OR E-MAIL US AT:
PRETATERRA@PRETATERRA.COM.BR**

Presentation

Images

No images found!

Couldn't find any images to display. Attach some images to this page or search for images by label or page.

Depending on the size of your Confluence instance, you may also want to refresh the page, as it may take some time until the images appear.

Videos

More

OUR CONCEPT

The concept of the proposed system is to provide a path recommendation system for a user to travel from a source to a destination. The system uses a 3D model of a city grid to represent the environment. The user's current location is marked as the source, and the destination is marked as the target. The system calculates the shortest path from the source to the target, taking into account the traffic conditions and the user's preferences.

OUR DATASET

The dataset used in the proposed system is a 3D model of a city grid. The model is generated from a 2D map of the city. The 3D model includes the buildings, roads, and other features of the city. The model is used to represent the environment in the proposed system.

OUR ALGORITHM

The algorithm used in the proposed system is a shortest path algorithm. The algorithm starts from the source and explores the possible paths to the target. The algorithm uses a priority queue to store the paths and selects the shortest path from the queue. The algorithm also takes into account the traffic conditions and the user's preferences.

OUR RESULTS

The results of the proposed system are shown in the figure. The figure shows a 3D model of a city grid with a red line indicating the shortest path from the source to the target. The path is shown in red to highlight it. The figure also shows the traffic conditions and the user's preferences.








1600+ **100,000+** **35-million** **300+** **500+**

events **hours** **times** **events** **events**

2002 **2003** **2004** **2005** **2006-2007**

AGROFORESTRY

FOR THE 100+ members we have met and met by
different organizations and individuals with a passion
for agriculture, forestry and the environment.

Contact

Events & Calls

| Title |
|-------------------|
| No content found. |

Resource

| Title |
|-------------------|
| No content found. |

Profile

| Organization |
|-------------------|
| No content found. |

Handouts

| File | Modified |
|-----------------------------------|------------------------------|
| PDF File PRETATERRA_PORTFOLIO.pdf | Apr 28, 2022 by Marc Bernard |