

Information for the UFC 2023 Management Report

Unit: UFC INFRA

Chapter 3 – Management Strategy and Results

Maximum pages: 6

Strategic Objective 7 - Provide adequate building and urban infrastructure, with a focus on economy, sustainability, safety, accessibility and inclusion

Program: Building and urban infrastructure

Description: Make buildings and building and urban infrastructures suitable, taking into account the specificity of each campus and the guidelines of the UFC Sustainable Action Plan below.

Indicator: Infrastructure Index

Goals:

Baseline	2023	2024	2025	2026	2027
50%	50%	55%	60%	65%	70%

Other Relevant Actions in 2023

Report in a clear, concise and objective manner other relevant actions carried out in 2023 to generate value for society that are not strategic PDI actions included in the above program.

Strategic Objective 8 - Ensure environmental sustainability by respecting the biodiversity of each campus, considering the management of green areas, the use of renewable energy, waste management, and the balance between built and natural spaces

Program: Environmental sustainability

Description: Promote actions that improve the management of common, recyclable and hazardous solid waste, that encourage the use of renewable energy and that protect biodiversity and associated ecosystems on each campus, ensuring sustainable development.

Indicator: Environmental Management Index

Goals:

Baseline	2023	2024	2025	2026	2027
5.89%	7.89%	9.89%	11.89%	13.89%	15.89%

GROWTH TO 9.36% IN 2023

1. In 2023, the Environmental Sustainability program reached an index of 9.36%, growing more than the number predicted for the year. Evaluating the indexes that make up the general index, there was a decrease in the index of common and recyclable waste, even though there was an increase in both the amount of recyclable solid waste and the amount of common solid waste. The Biodiversity and Energy indexes remained unchanged. The hazardous waste index increased due to the creation of the Laboratory of Teaching Methodology and Waste Treatment (LAMETRE), coordinated by Prof. Dr. Maria Ruth Bonfim Vidal, in partnership with PEGA, where the treatment of chemical waste is being carried out, mainly from the environmental analytical chemistry teaching laboratory. The environmental education index also grew, as more people were directly impacted by PEGA's greater movement on social media, mainly on Instagram.

		2022	2023
Common and Recyclable Waste	Percentage of recyclables collected in relation to common waste collected	1.68%	1.07%
Hazardous Waste	Percentage of donated and treated materials in relation to total hazardous waste collected	6.40%	19.68 %
Biodiversity	Percentage of native trees relative to all trees	17%	17%
Socio-environmental education	Percentage of people directly impacted by events in relation to the total number of people in the university community	1.36%	6.03%
Energy	Percentage of energy consumption from own generation or incentivized sources	3%	3%
Environmental Management Index		5.89%	9.36%

2. Report in a clear, concise and objective manner the strategic actions of the PDI carried out in 2023 to generate value for society in relation to this program.

Implement a program on abandoned animals including actions to prevent abandonment and care on all UFC campuses

- A strong partnership has been established between PEGA and volunteer groups that carry out actions related to abandoned animals within the university, for example, UFC students are entitled to certificates that can be converted into complementary hours.

Publicize and raise awareness among the academic community about UFC's tree planting policy.

- The afforestation policy was published in 2022 (<https://pega.ufc.br/pt/biodiversidade-e-ecossistemas-associados/politica-de-arborizacao/>) and since then it has been widely publicized on various channels, both PEGA and UFC Informa.

Create and implement a system for analyzing and controlling UFC's green areas, using geoprocessing and accurate diagnostic instruments.

- Accurate diagnostic equipment for carrying out tree control has been included in the bidding process for green area management currently underway.

Start growing native trees on UFC premises - UFC garden

- In partnership with the Silviculture Extension and Research Group - GEPS, coordinated by Prof. Lamartine, native trees such as ipês, aroeiras and oitis are cultivated and distributed throughout UFC campuses at various times, as well as being donated to the general public.

Consolidate the Pici campus as an environmental park, through the implementation of an urban planning and information design project.

- Signs for the Pici Campus will be purchased via bidding.

Carry out revitalization of the Santo Anastácio reservoir

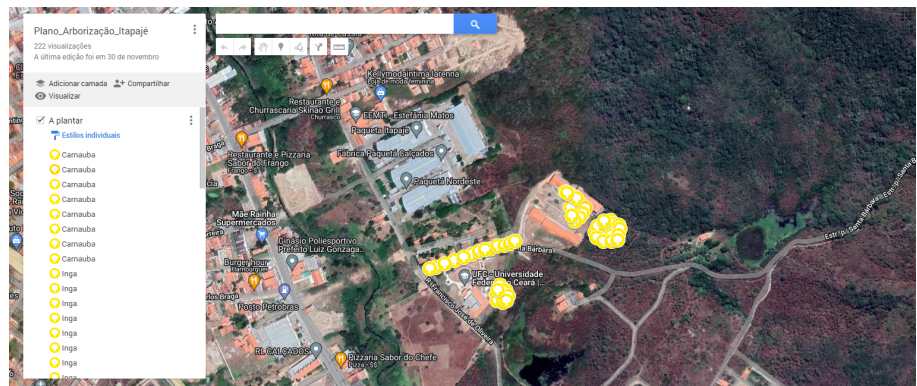
- This action takes place in partnership with the City of Fortaleza and the Public Ministry.

Support the city government of Fortaleza in implementing the management plan for the area of relevant ecological interest (ARI) of Matinha.

- The Fortaleza City Hall is in the bidding process to hire a specialized company to prepare the management plan for the Matinha do Pici Area of Relevant Ecological Interest.

Develop tree planting projects for each UFC campus.

- The Itapajé Campus Tree Planting Plan was drawn up, including native trees such as Carnaúba, Inga, Araticum and Pitombeira.



Expand selective collection, implementing awareness campaigns for the academic community on the importance of reducing, recycling and reusing materials, establishing an ongoing partnership with the UFC Communications sector.

- The external phase of the expansion of UFC's Selective Collection has been completed, with 100 blue 1000 L containers being distributed, duly identified, across all UFC campuses. On the PEGA website in Actions in Maps (<https://pega.ufc.br/pt/mapeamento-das-acoes/>) shows the location of the containers on the Pici, Benfica and Porangabuçu Campuses. The internal phase of the action began with the distribution of 240 L blue containers, duly identified, in the various blocks of the university, including the cafeterias, which have great potential for generating

recyclable solid waste. The results of this action can be monitored on the Indicators Panel on the PEGA website (<https://pega.ufc.br/pt/painel-de-indicadores/>).

Carry out a technical-economic feasibility study for generating energy from organic materials, by hiring specialized consultancy.

- A partnership was signed with Prof. Ronaldo Stefanutti for the installation of a biodigester that will reuse food leftovers from the Pici University Restaurants.

Train laboratory technicians on laboratory waste management, in partnership with the Vice-Rector of Human Resources.

- Consulting, lectures, mini-courses and courses focusing on waste management and other environmentally relevant topics are constantly carried out. The direct impact of these actions can be monitored on the Indicators Panel on the PEGA website (<https://pega.ufc.br/pt/painel-de-indicadores/>).

Other Relevant Actions in 2023

Report in a clear, concise and objective manner other relevant actions carried out in 2023 to generate value for society that are not strategic PDI actions included in the above program.

Chapter 4 – Special Areas of Management

TCU Accountability Guide:

ENVIRONMENTAL SUSTAINABILITY

Actions to reduce the consumption of natural resources.

Reduction of polluting waste.

SDGs and others.

Reduction of polluting waste:

Recyclable waste is segregated in accordance with decree no. 10,936/2022, with more than 18 tons of waste collected this year and destined for the waste pickers' association. Unusable fluorescent lamps are also correctly disposed of; this year, 5,356 units were collected by a specialized company. In addition to the disposal of batteries in partnership with Fortaleza's ecopoints, 47 kg were collected in 2023. The environmentally appropriate disposal of hazardous chemical waste is also carried out by a specialized company; this year, 8,873 kg were collected, among the most diverse types of characterization.

The Laboratory Reagents and Utensils Bank (BRUL) consists of a catalog of chemical products (expired or not) that are no longer used in the laboratories of the Federal University of Ceará, but that preserve their physical and chemical properties, and can be donated for use in other sectors of the UFC or other public institutions that make the request. The main objective of BRUL is to prevent unused reagents from becoming waste due to deterioration of contents, bottles and labels. Once this deterioration occurs, they become unusable as

reagents, incurring, in most cases, their transformation into unidentified waste, making the final disposal process complex and costly. The results are available on the PEGA Indicators Panel (<https://pega.ufc.br/pt/painel-de-indicadores/>).

Management Report Annexes

- Public Works Tenders: Price Quotation in 2023
- Monitoring the Execution of Works in 2023
- Furniture and Property Valuations in 2023