

Template for Evidence(s) UI GreenMetric Questionnaire

University : IFSULDEMINAS
Country : BRAZIL
Web Address : <https://www.ifsuldeminas.edu.br/index.php>

[3] Waste (WS)

[3.3] Organic Waste Treatment



Figure 1: Trés Corações Campus composting.



Figure 2: Muzambinho Campus poultry composting.



Figure 3: Poços de Caldas Campus food waste destination.



Figure 4: Muzambinho Campus composting.



Figure 5: Inconfidentes Campus overlapping bed system for pigs.



Figure 6: Muzambinho Campus Composting Sector.



Figure 7: Inconfidentes Campus Agroecology Sector evapotranspiration pit.



Figure 8: Carmo de Minas Campus composting and vegetable garden.



Figure 9: Passos Campus restaurant oil collection.



Figure 10: Machado Campus students composting project.



Figure 11: Muzambinho Campus swine waste treatment.



Figure 12: Inconfidentes Campus Agroforestry System (SAF).



Figure 13: Inconfidentes Campus fixed box coffee dryer (static dryer).



Figure 14: Inconfidentes Campus Olive and Agroecology sectors composting.



Figure 15: Machado Campus vermicomposting sector of organic waste generated.



Figure 16: Poços de Caldas Campus cooking oil collection point for recycling.



Figure 17: Inconfidentes Campus [composting of tobacco seized by the Federal Revenue and donated to IFSULDEMINAS](#).



Figure 18: Muzambinho Campus [composting of tobacco seized by the Federal Revenue and donated to IFSULDEMINAS](#).



Figure 19: Machado Campus [composting of tobacco seized by the Federal Revenue and donated to IFSULDEMINAS](#).



Figure 20: Pouso Alegre Campus [used cooking oil collection campaign](#).



Figure 21: Machado Campus worm farm at compost sector.



Figure 22: Machado Campus collection of used oil for soap production.



Figure 23: Carmo de Minas Campus reuse of waste from the canteen and planting of vegetables from compost piles.



Figure 24: Inconfidentes Campus cleaning of a dam with the destination of vegetable matter for composting.

Description

Figure 1: Três Corações Campus composting

Vermiculture, worms for organic waste treatment.

Figures 2 and 4: Muzambinho Campus poultry composting

Muzambinho Campus Poultry sector composter produces 3 tons of compost every 3 months.

Figure 3: Poços de Caldas Campus decrease in food waste

Poços de Caldas Campus has a partnership for the destination of organic waste from the restaurant. Waste is separated and leftover food is donated to pig farmers in the region.

Figure 5: Inconfidentes Campus overlapping bed system for pigs

Inconfidentes Campus organic swine compost is used in orchards and coffee plantations.

Figure 6: Muzambinho Campus Composting Sector

Muzambinho Campus Composting Sector uses the maximum of plant residues and animal manure possible to produce its mass. Leaves that are collected in the roads and courtyards of the campus, straw resulting from lawn mowing, palm leaves and branches resulting from pruning, coffee husks, cattle manure, poultry manure, poultry litter, goat manure, manure from the biodigester of pig farms and others.

Figure 7: Inconfidentes Campus Agroecology Sector evapotranspiration pit

Inconfidentes Campus Agroecology Sector owns over 2.4 hectares in which it has the following sectors: bioconstruction, dry bathroom waste disposal drum, evapotranspiration sumps, biodigester, herb and spice sensory garden, SAF (Agroforestry System) biofertilizers and beekeeping.

Figure 8: Carmo de Minas Campus composting and vegetable garden

Carmo de Minas Campus interdisciplinary students perform composting for vegetable production.

Figure 9: Passos Campus restaurant oil collection

Passos Campus has a partnership for the collection of kitchen oil from the campus restaurant.

Figure 10: Machado Campus students composting project

Machado Campus Second Technology Innovation Award. The winner team project was to develop a temperature and moisture control for composting systems.

Figure 11: Muzambinho Campus swine waste treatment

Muzambinho Campus has an anaerobic digester through piston flow that has the ability to process 1,570 kg of solid waste, producing 8,500 liters of biofertilizer and 118 m³ of biogas, daily.

Figure 12: Inconfidentes Campus Agroforestry System (SAF)

Inconfidentes Campus implemented, in 2018, cultures of fruit and timber trees, pork beans, moringa, pumpkin, watermelon and banana. It will still demand actions over the years. The SAF area is also used as the field of experiments related to the evolution of soil quality and forest composition of species to conclude course completion works (TCC) of higher courses on campus.

Figure 13: Inconfidentes Campus fixed box coffee dryer (static dryer)

Inconfidentes Campus has a fixed box coffee dryer. This dryer has the characteristic of maintaining the quality of the coffee, reducing expenses. It is sustainable, as it makes it possible to use both the firewood from the coffee plantation itself and the straw from the peeling of the fruit.

Figure 14: Inconfidentes Campus Olive and Agroecology sectors composting

Inconfidentes Campus Olive and Agroecology sectors composting uses branches, leaves, pruning material and garden cleaning, and is responsible for providing humus from the decomposition of organic matter, used in the institution's cultivation and nursery areas.