

UI GreenMetric Answer 2020

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University Profile

Username : ifsuldeminas.edu.br
University Name : Instituto Federal de Educação, Ciência e Tecnologia do Sul de Minas Gerais
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PIC Profile

PIC Name : Marcelo Bregagnoli
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No	Question	Choice	Answer
Setting and Infrastructure			
1.1(o)	Type of higher education institution	<input type="radio"/> Comprehensive <input type="radio"/> Specialized higher education institution	<input type="radio"/> Specialized higher education institution
1.2(o)	Climate	<input type="radio"/> Tropical Wet <input type="radio"/> Tropical Wet and Dry <input type="radio"/> Semiarid <input type="radio"/> Arid <input type="radio"/> Mediterranean <input type="radio"/> Humid Subtropical <input type="radio"/> Marine west coast / Oceanic Climate <input type="radio"/> Humid Continental <input type="radio"/> Subartic	<input type="radio"/> Humid Subtropical
1.3(o)	Number of campus site		9
1.4(o)	Campus setting	<input type="radio"/> Rural <input type="radio"/> Suburban <input type="radio"/> Urban <input type="radio"/> In city center <input type="radio"/> High rise building	<input type="radio"/> Rural
1.5(o)	Total campus area (m ²)		7228912
1.6(o)	Total campus ground floor area of buildings (m ²)		150454
1.7(o)	Total campus buildings area (m ²)		178194
1.8(SI.1)	The ratio of open space to total area. Formula: $((1.5-1.6/1.5)*100\%)$	<input type="radio"/> $\leq 1\%$ <input type="radio"/> $> 1 - 80\%$ <input type="radio"/> $> 80 - 90\%$ <input type="radio"/> $> 90 - 95\%$ <input type="radio"/> $> 95\%$	<input type="radio"/> $> 95\%$
1.9(SI.2)	Total area on campus covered in forest vegetation (please provide total area in square meters)	<input type="radio"/> $\leq 2\%$ <input type="radio"/> $> 2 - 9\%$ <input type="radio"/> $> 9 - 22\%$ <input type="radio"/> $> 22 - 35\%$ <input type="radio"/> $> 35\%$	<input type="radio"/> $> 22 - 35\%$ Total area : 1976612

No	Question	Choice	Answer
1.10(SI.3)	Total area on campus covered in planted vegetation (please provide total area in square meters)	<input type="radio"/> <= 10% <input type="radio"/> > 10 - 20% <input type="radio"/> > 20 - 30% <input type="radio"/> > 30 - 40% <input type="radio"/> > 40%	<input type="radio"/> > 40% Total area : 3730646
1.11(SI.4)	Total area on campus for water absorption besides forest and planted vegetation (please provide total area in square meters)	<input type="radio"/> <= 2% <input type="radio"/> > 2 - 10% <input type="radio"/> > 10 - 20% <input type="radio"/> > 20 - 30% <input type="radio"/> > 30%	<input type="radio"/> > 20 - 30% Total area : 1521654
1.12(o)	Total number of regular students (part time and full time)		36040
1.13(o)	Total number of online students (part time and full time)		22262
1.14(o)	Total number of academic and administrative staff		1576
1.15(SI.5)	The total open space area divided by total campus population. Formula: ((1.5-1.6)/(1.12+1.14))	<input type="radio"/> <= 10 m ² / person <input type="radio"/> > 10 – 20 m ² / person <input type="radio"/> > 20 – 40 m ² / person <input type="radio"/> > 40 – 70 m ² / person <input type="radio"/> > 70 m ² / person	<input type="radio"/> > 70 m ² / person
1.16(o)	Total university's budget (in US Dollars)		12541096
1.17(o)	University's budget for sustainability effort (in US Dollars)		524145
1.18(SI.6)	Percentage of University's budget for sustainability effort	<input type="radio"/> <= 1% <input type="radio"/> > 1 - 5% <input type="radio"/> > 5 - 10% <input type="radio"/> > 10 - 15% <input type="radio"/> > 15%	<input type="radio"/> > 1 - 5%
Energy and Climate Change			
2.1(EC.1)	Energy efficient appliances usage	<input type="radio"/> < 1% <input type="radio"/> 1 - 25% <input type="radio"/> > 25 - 50% <input type="radio"/> > 50 - 75% <input type="radio"/> > 75%	<input type="radio"/> > 75%
2.2(o)	Total campus smart building area (m ²)		51200
2.3(EC.2)	Smart Building implementation (percentage of the total floor area of smart building to the total all floors building area (smart and non-smart buildings area).	<input type="radio"/> < 1% <input type="radio"/> 1% - 25% <input type="radio"/> > 25% - 50% <input type="radio"/> > 50% - 75% <input type="radio"/> > 75%	<input type="radio"/> > 25% - 50%
2.4(EC.3)	Number of renewable energy sources in campus (solar power, bio diesel, wind power, etc)	<input type="radio"/> None <input type="radio"/> 1 source <input type="radio"/> 2 sources <input type="radio"/> 3 sources <input type="radio"/> > 3 sources	<input type="radio"/> > 3 sources

No	Question	Choice	Answer
2.5(o)	Please specify renewable energy sources in campus and provide capacity produced in kilowatt hour	<input type="checkbox"/> Not Applicable <input type="checkbox"/> Bio Diesel <input type="checkbox"/> Clean Biomass <input type="checkbox"/> Solar Power <input type="checkbox"/> Wind Power <input type="checkbox"/> Geothermal <input type="checkbox"/> Hydropower <input type="checkbox"/> Combine Heat and Power	<input type="checkbox"/> Hydropower Total kWh : 301350 <input type="checkbox"/> Solar Power Total kWh : 1032344 <input type="checkbox"/> Clean Biomass Total kWh : 57714
2.6(o)	Electricity usage per year (in kilo watt hour)		2310366
2.7(EC.4)	The total electricity usage divided by total campus population (kWh per person). Formula: (2.6) / (1.12+1.14)	<input type="radio"/> >= 2424 kWh <input type="radio"/> < 2424 - 1535 kWh <input type="radio"/> < 1535 - 633 kWh <input type="radio"/> < 633 - 279 kWh <input type="radio"/> < 279 kWh	<input type="radio"/> < 279 kWh
2.8(EC.5)	The ratio of renewable energy production divided by total energy usage per year	<input type="radio"/> <= 0.5% <input type="radio"/> > 0.5 - 1% <input type="radio"/> > 1 - 2% <input type="radio"/> > 2 - 25% <input type="radio"/> > 25%	<input type="radio"/> > 25%
2.9(EC.6)	Elements of green building implementation as reflected in all construction and renovation policies	<input type="radio"/> None <input type="radio"/> 1 element <input type="radio"/> 2 elements <input type="radio"/> 3 elements <input type="radio"/> > 3 elements	<input type="radio"/> > 3 elements
2.10(EC.7)	Greenhouse gas emission reduction program	<input type="radio"/> None (reduction program is needed, but nothing has been done) <input type="radio"/> Program in preparation (e.g. feasibility study and promotion) <input type="radio"/> Program(s) aims to reduce one out of three scopes emissions (Scope 1 or 2 or 3) <input type="radio"/> Program(s) aims to reduce two out of three scopes emissions (Scope 1 and 2 or Scope 1 and 3 or Scope 2 and 3) <input type="radio"/> Program(s) aims to reduce all three scopes emissions (Scope 1, 2 and 3)	<input type="radio"/> Program(s) aims to reduce all three scopes emissions (Scope 1, 2 and 3)
2.11(o)	Please provide the total carbon footprint (CO ₂ emission in the last 12 months, in metric tons)		2351

No	Question	Choice	Answer
2.12(EC.8)	The total carbon footprint divided by total campus population (metric tons per person). Formula: (2.11)/(1.12+1.14)	<input type="radio"/> ≥ 2.05 metric ton <input type="radio"/> $< 2.05 - 1.11$ metric ton <input type="radio"/> $< 1.11 - 0.42$ metric ton <input type="radio"/> $< 0.42 - 0.10$ metric ton <input type="radio"/> < 0.10 metric ton	<input type="radio"/> < 0.10 metric ton
Waste			
3.1(WS.1)	Recycling program for university waste	<input type="radio"/> Not Applicable <input type="radio"/> Partial (1% - 25% of waste) <input type="radio"/> Partial ($> 25\%$ - 50% of waste) <input type="radio"/> Partial ($> 50\%$ - 75% of waste) <input type="radio"/> Extensive ($> 75\%$ waste)	<input type="radio"/> Extensive ($> 75\%$ waste)
3.2(WS.2)	Program to reduce the use of paper and plastic on campus	<input type="radio"/> Not applicable. If there is no program in your university. <input type="radio"/> 1 program <input type="radio"/> 2 programs <input type="radio"/> 3 programs <input type="radio"/> more than 3 programs	<input type="radio"/> more than 3 programs
3.3(WS.3)	Organic waste treatment	<input type="radio"/> Open dumping <input type="radio"/> Partial (1% - 25% of treated) <input type="radio"/> Partial ($> 25\%$ - 50% of treated) <input type="radio"/> Partial ($> 50\%$ - 75% of treated) <input type="radio"/> Extensive ($> 75\%$ treated)	<input type="radio"/> Extensive ($> 75\%$ treated)
3.4(WS.4)	Inorganic waste treatment	<input type="radio"/> Burned in the open <input type="radio"/> Partial (1% - 25% of treated) <input type="radio"/> Partial ($> 25\%$ - 50% of treated) <input type="radio"/> Partial ($> 50\%$ - 75% of treated) <input type="radio"/> Extensive ($> 75\%$ treated)	<input type="radio"/> Extensive ($> 75\%$ treated)
3.5(WS.5)	Toxic waste treatment	<input type="radio"/> Not Managed <input type="radio"/> Partial (1% - 25% of treated) <input type="radio"/> Partial ($> 25\%$ - 50% of treated) <input type="radio"/> Partial ($> 50\%$ - 75% of treated) <input type="radio"/> Extensive ($> 75\%$ treated)	<input type="radio"/> Extensive ($> 75\%$ treated)

No	Question	Choice	Answer
3.6(W.S.6)	Sewage disposal	<input type="radio"/> Untreated to waterways <input type="radio"/> Treated conventionally <input type="radio"/> Treated technically for reuse <input type="radio"/> Treatment for down cycling <input type="radio"/> Treatment for up cycling	<input type="radio"/> Treatment for up cycling
Water			
4.1(WR.1)	Water conservation program and implementation	<input type="radio"/> None (Conservation program is needed, but nothing has been done) <input type="radio"/> Program in preparation (e.g. feasibility study and promotion) <input type="radio"/> 1 - 25% implemented at early stage (e.g. measurement of potential surface runoff volume) <input type="radio"/> > 25 - 50% water conserved <input type="radio"/> > 50% water conserved	<input type="radio"/> > 50% water conserved
4.2(WR.2)	Water recycling program implementation	<input type="radio"/> None (Water recycling program is needed, but nothing has been done) <input type="radio"/> Program in preparation (e.g. feasibility study and promotion) <input type="radio"/> 1 - 25% Implemented at early stage (e.g. measurement of waste water) <input type="radio"/> > 25 - 50% water recycled <input type="radio"/> > 50% water recycled	<input type="radio"/> > 50% water recycled

No	Question	Choice	Answer
4.3(WR.3)	Water efficient appliance usage	<input type="radio"/> None (Water efficient appliances is needed, but nothing has been done) <input type="radio"/> Program in preparation (e.g. feasibility study and promotion) <input type="radio"/> 1 - 25% of water efficient appliances installed <input type="radio"/> > 25 - 50% of water efficient appliances installed <input type="radio"/> > 50% of water efficient appliances installed	<input type="radio"/> > 50% of water efficient appliances installed
4.4(WR.4)	Treated water consumed	<input type="radio"/> None <input type="radio"/> 1% - 25% treated water consumed <input type="radio"/> > 25% - 50% treated water consumed <input type="radio"/> > 50% - 75% treated water consumed <input type="radio"/> > 75% treated water consumed	<input type="radio"/> > 75% treated water consumed
Transportation			
5.1(o)	Number of cars actively used and managed by University		168
5.2(o)	Number of cars entering the university daily		1425
5.3(o)	Number of motorcycles entering the university daily		399
5.4(TR.1)	The total number of vehicles (cars and motorcycles) divided by total campus population. Formula: $(5.1+5.2+5.3)/(1.12+1.14)$	<input type="radio"/> ≥ 1 <input type="radio"/> $< 1 - 0.5$ <input type="radio"/> $< 0.5 - 0.125$ <input type="radio"/> $< 0.125 - 0.045$ <input type="radio"/> < 0.045	<input type="radio"/> $< 0.125 - 0.045$

No	Question	Choice	Answer
5.5(TR.2)	Shuttle service	<input type="radio"/> Shuttle service is possible but not provided by university <input type="radio"/> Shuttle service is provided (by university or other parties) and regular but not free <input type="radio"/> Shuttle service is provided (by university or other parties) and the university contributes a part of the cost. <input type="radio"/> Shuttle service is provided by university, regular, and free <input type="radio"/> Shuttle service is provided by university, regular, and environment friendly. Or shuttle use is not possible (not applicable)	<input type="radio"/> Shuttle service is provided (by university or other parties) and the university contributes a part of the cost.
5.6(o)	Number of shuttles operated in your university		35
5.7(o)	Average number of passengers of each shuttle		30
5.8(o)	Total trips of shuttle services each day		70
5.9(TR.3)	Zero Emission Vehicles (ZEV) policy on campus	<input type="radio"/> Zero Emission Vehicles are not available <input type="radio"/> Zero Emission Vehicles use is not possible or practical <input type="radio"/> Zero Emission Vehicles are available, but not provided by university <input type="radio"/> Zero Emission Vehicles are available, and provided by university and charged <input type="radio"/> Zero Emission Vehicles are available, and provided by university for free	<input type="radio"/> Zero Emission Vehicles are available, and provided by university for free
5.10(o)	Average number of Zero Emission Vehicles (e.g. bicycles, cano, snowboard, electric car, etc.) on campus per day		201

No	Question	Choice	Answer
5.11(TR.4)	The total number of Zero Emission Vehicles (ZEV) divided by total campus population. Formula: (5.10)/(1.12+1.14)	<input type="radio"/> ≤ 0.002 <input type="radio"/> $> 0.002 - 0.004$ <input type="radio"/> $> 0.004 - 0.008$ <input type="radio"/> $> 0.008 - 0.02$ <input type="radio"/> > 0.02	<input type="radio"/> $> 0.004 - 0.008$
5.12(o)	Total ground parking area (m ²)		84034
5.13(TR.5)	Ratio of parking area to total campus area. Formula: ((5.12/1.5) x 100%)	<input type="radio"/> $> 11\%$ <input type="radio"/> $< 11 - 7\%$ <input type="radio"/> $< 7 - 4\%$ <input type="radio"/> $< 4 - 1\%$ <input type="radio"/> $< 1\%$	<input type="radio"/> $< 4 - 1\%$
5.14(TR.6)	Transportation program designed to limit or decrease the parking area on campus for the last 3 years (from 2017 to 2019)	<input type="radio"/> None <input type="radio"/> Program in preparation (e.g. feasibility study and promotion) <input type="radio"/> Less than 10% decrease <input type="radio"/> Between 10% - 30% decrease <input type="radio"/> Program resulting in more than 30% decrease in parking area or parking area reduction has reaches its limit.	<input type="radio"/> Program resulting in more than 30% decrease in parking area or parking area reduction has reaches its limit.
5.15(TR.7)	Number of transportation initiatives to decrease private vehicles on campus (e.g. car sharing, charging high parking fees, metro / tram / bus services and etc)	<input type="radio"/> No initiative <input type="radio"/> 1 initiative <input type="radio"/> 2 initiatives <input type="radio"/> 3 initiatives <input type="radio"/> > 3 initiatives, or initiative no longer required	<input type="radio"/> > 3 initiatives, or initiative no longer required
5.16(TR.8)	Pedestrian path on campus	<input type="radio"/> None <input type="radio"/> Pedestrian paths are available <input type="radio"/> Pedestrian paths are available, and design for safety <input type="radio"/> Pedestrian paths are available, designed for safety and convenience <input type="radio"/> Pedestrian paths are available, designed for safety, convenience, and in some parts provided with disabled-friendly features	<input type="radio"/> Pedestrian paths are available, designed for safety, convenience, and in some parts provided with disabled-friendly features
5.17(o)	Approximate daily travel distance of a vehicle inside campus only (in Kilometers)		1.5

Education and Research

No	Question	Choice	Answer
6.1(o)	Number of courses/subjects related to sustainability offered		2779
6.2(o)	Total number of courses/subjects offered		4816
6.3(ED.1)	The ratio of sustainability courses to total courses/subjects	<input type="radio"/> ≤ 1% <input type="radio"/> > 1 - 5% <input type="radio"/> > 5 - 10% <input type="radio"/> > 10 - 20% <input type="radio"/> > 20%	<input type="radio"/> > 20%
6.4(o)	Total research funds dedicated to sustainability research (in US Dollars) (average per annum over the last 3 years).		49674
6.5(o)	Total research funds (in US Dollars) (average per annum over the last 3 years).		166861
6.6(ED.2)	The ratio of sustainability research funding to total research funding	<input type="radio"/> ≤ 1% <input type="radio"/> > 1 - 8% <input type="radio"/> > 8 - 20% <input type="radio"/> > 20 - 40% <input type="radio"/> > 40%	<input type="radio"/> > 20 - 40%
6.7(ED.3)	Number of scholarly publications on sustainability published. (average annually for the past 3 years)	<input type="radio"/> 0 <input type="radio"/> 1 - 20 <input type="radio"/> 21 - 83 <input type="radio"/> 84 - 300 <input type="radio"/> > 300	<input type="radio"/> 84 - 300
6.8(ED.4)	Number of events related to sustainability. (average annually for the past 3 years)	<input type="radio"/> 0 <input type="radio"/> 1 - 4 <input type="radio"/> 5 - 17 <input type="radio"/> 18 - 47 <input type="radio"/> > 47	<input type="radio"/> > 47
6.9(ED.5)	Number of student organizations related to sustainability	<input type="radio"/> 0 <input type="radio"/> 1 - 2 <input type="radio"/> 3 - 4 <input type="radio"/> 5 - 10 <input type="radio"/> > 10	<input type="radio"/> > 10
6.10(ED.6)	University-run sustainability website	<input type="radio"/> Not available <input type="radio"/> Website in progress or under construction <input type="radio"/> Website is available and accessible <input type="radio"/> Website is available, accessible, and updated occasionally <input type="radio"/> Website is available, accessible, and updated regularly	<input type="radio"/> Website is available, accessible, and updated regularly
6.11(o)	Sustainability website address (URL) if available		https://portal.ifsuldeminas.edu.br/pls

No	Question	Choice	Answer
6.12(ED.7)	Sustainability report	<div><input type="radio"/> Not available</div> <div><input type="radio"/> Sustainability report is in preparation</div> <div><input type="radio"/> Available but not publicly accessible</div> <div><input type="radio"/> Sustainability report is published</div> <div><input type="radio"/> Sustainability report is published annually</div>	<div><input type="radio"/> Sustainability report is published annually</div>