The 3rd National Workshop on UI GreenMetric World University Rankings for Universities in Mexico

Universidad Nacional Autónoma de México

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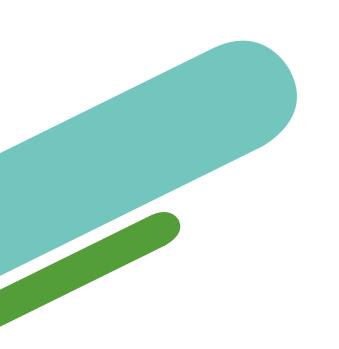








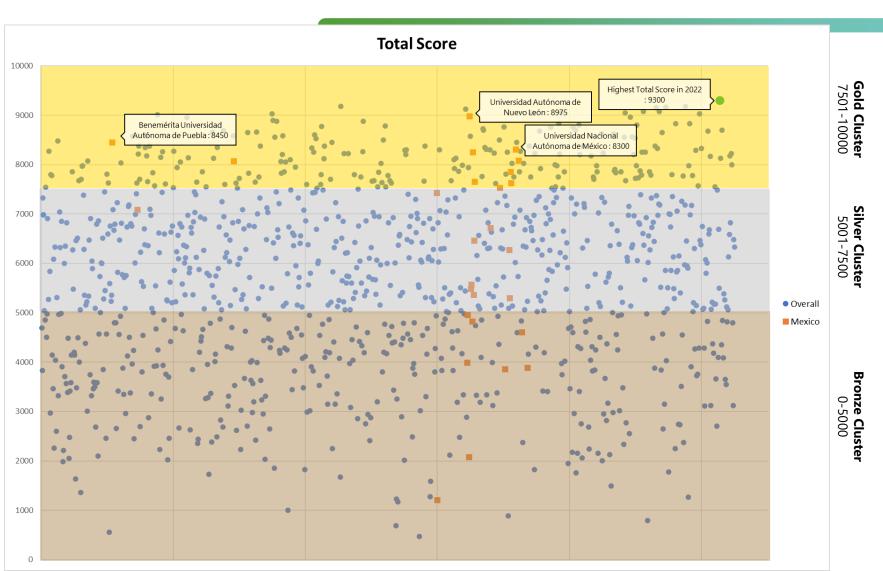




Ul GreenMetric Questionnaire and 2022 Report



2022 Participants Performance



2022 Participants Performance:

Gold Cluster:

General: 219 University

(20.86%)

Mexico: 10 University

(37.04%)

Silver Cluster:

General: 476 University

(45.33%)

Mexico: 9 University

(33.33%)

Bronze Cluster:

General: 355 University

(33.81%)

Mexico: 8 University

(29.63%)



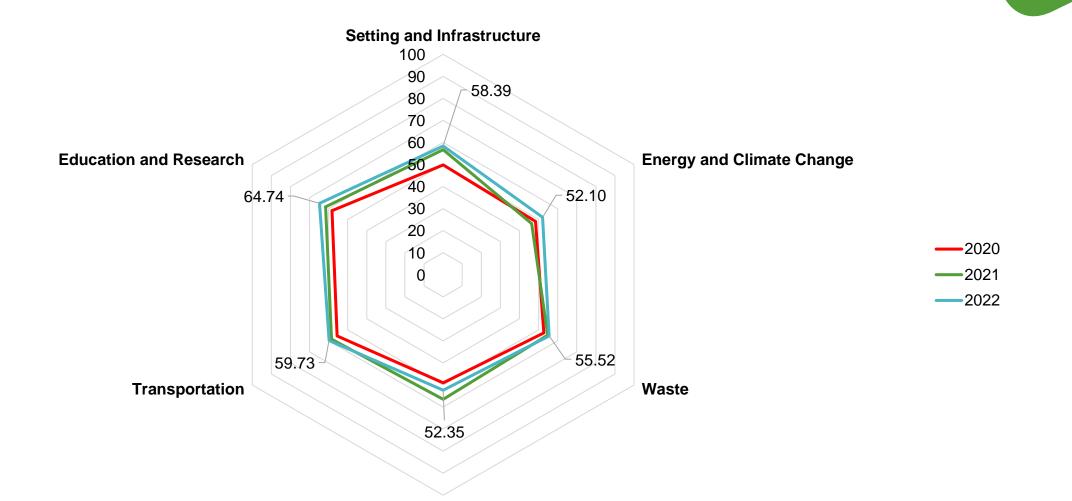


Mexico University Rank on 2022 UI GreenMetric

Mexico Rank	Mexico World Rank Rank University		Total 2022
1	15	Universidad Autónoma de Nuevo León	8975
2	2 58 Benemérita Universidad Autónoma de Puebla		8450
3	79	Universidad Nacional Autónoma de México	8300
4	88	Universidad Autonoma De Yucatan	8250
5	117	Universidad Panamericana	8075
6	118	ITESO, Universidad Jesuita de Guadalajara	8070
7	145	Universidad Iberoamericana Puebla	7850
8	194	Universidad Autonoma Metropolitana	7650
9	200	Universidad Iberoamericana Torreón	7625
10	216	Universidad de Sonora	7525
11	232	Tecnologico de Monterrey	7425
12	277	CETYS University (Centro de Ensenanza Tecnica y Superior)	7085
13	364	Universidad De Guadalajara	6710
14	414	Universidad Autonoma Del Estado De Mexico	6455

Mexico Rank	World Rank	University	Total 2022
15	457	Universidad Iberoamericana Ciudad de México	6270
16	569	Universidad Autonoma De San Luis Potosi	5570
17	589	Universidad Autónoma de Querétaro	5485
18	608	Universidad Autónoma Del Estado De Hidalgo	5360
19	620	Universidad Iberoamericana León	5295
20	703	Universidad Autónoma De Coahuila	4955
21	722	Universidad Autonoma De Tamaulipas	4820
22	750	Universidad Popular De La Chontalpa	4605
23	849	Universidad Autónoma de Chiapas	3990
24	864	Universidad Tecnológica de México - Campus Atizapán	3880
25	868	Universidad del Valle de Mexico - Campus Tlalpan	3855
26	1020	Universidad Autonoma De Nayarit	2080
27	1043	Tecnológico Nacional de México, Campus Hermosillo	1205

General Results UI GreenMetric World Ranking 2022



Water

Setting and Infrastructure (SI)

No	Category and Indicator	Point	Score
1	Setting and Infrastructure (SI)		
SI 1	The ratio of open space area to the total area*	200	
	≤ 1%		0.05x200*
	> 1 - 80%		0.25×200
	> 80 - 90%		0.50×200
	> 90 - 95%		0.75×200
	> 95%		1.00×200
SI 2	Total area on campus covered in forest vegetation*	100	
	≤ 2%		0.05x100*
	> 2 - 9%		0.25×100
	> 9 - 22%		0.50×100
	> 22 - 35%		0.75×100
	> 35%		1.00×100
SI 3	Total area on campus covered in planted vegetation*	200	
	≤ 10%		0.05x200*
	> 10 - 20%		0.25×200
	> 20 - 30%		0.50×200
	> 30 - 40%		0.75×200
	> 40%		1.00×200

SI 4	Total area on campus for water absorption besides the forest and planted vegetation*	100	
	≤ 2%		0.05x100
	> 2 - 10%		0.25×100
	> 10 - 20%		0.50×100
	> 20 - 30%		0.75×100
	> 30%		1.00×100
SI 5	The total open space area divided by total campus population*	200	
	≤ 10 m²/person		0.05x200
	> 10 – 20 m²/person		0.25×200
	> 20 – 40 m²/person		0.50×200
	> 40 – 70 m²/person		0.75×200
	> 70 m²/person		1.00×200
SI 6	Percentage of university budget for sustainability efforts*	200	
	≤ 1%		0.05x200
	> 1 - 5%		0.25×200
	> 5 - 10%		0.50×200
	> 10 - 15%		0.75×200
	> 15%		1.00×200



^{*)} Light green indicates new questions introduced in 2022

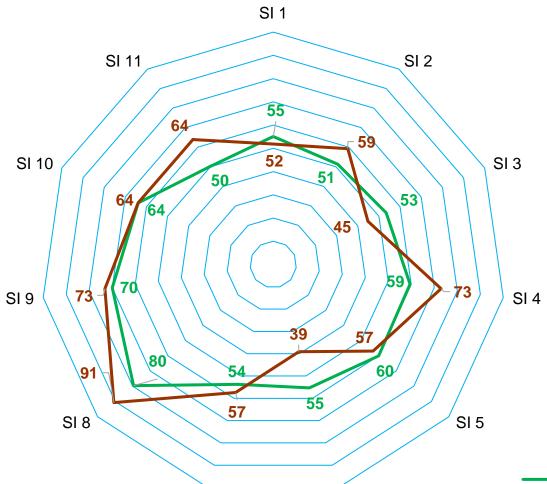
Setting and Infrastructure (SI)

SI7	Percentage of operation and maintenance activities of building in one year period	100	
	≤ 25%		0.05x100*
	> 25 - 50%		0.25×100
	> 50 - 75%		0.50×100
	> 75 - 99%		0.75×100
	100%		1.00×100
SI8	Campus facilities for disabled, special needs and or maternity care	100	
	None		0
	Policy is in place		0.25×100
	Facilities are in planning stage		0.50×100
	Facilities are partially available and operated		0.75×100
	Facilities exist in all buildings and are fully operated		1.00×100
SI9	Security and safety facilities	100	
	Passive security system		0
	Security infrastructure (CCTV, emergency hotline/button) available and fully function		0.25×100
	Security infrastructure (CCTV, emergency hotline/button, personel, fire extinguisher, hydrant) available and fully function		0.50×100
	Security infrastructure available and fully function and security responding time for accident, crime, fire and natural dissaster more than 10 minutes		0.75×100
	Security infrastructure available and fully function and security responding time for accident, crime, fire and natural dissaster less than 10 minutes		1.00×100

SI9	Security and safety facilities	100	
	Passive security system		0
	Security infrastructure (CCTV, emergency hotline/button) available and fully function		0.25×100
	Security infrastructure (CCTV, emergency hotline/button, personel, fire extinguisher, hydrant) available and fully function		0.50×100
	Security infrastructure available and fully function and security responding time for accident, crime, fire and natural dissaster more than 10 minutes		0.75×100
	Security infrastructure available and fully function and security responding time for accident, crime, fire and natural dissaster less than 10 minutes		1.00×100
SI10	Health infrastructure facilities for students, academic and administrative staff's wellbeing	100	
	Health infrastructure (first aid) is not available		0
	Health infrastructure (first aid, emergency room, clinic and personnel) are available		0.25×100
	Health infrastructure (first aid, emergency room, clinic and certified personnel) are available		0.50×100
	Health infrastructure (first aid, emergency room, clinic, hospital and certified personnel) are available		0.75×100
	Health infrastructure (first aid, emergency room, clinic, hospital and certified personnel) are available and accessible for public		1.00×100
SI11	Conservation: plant (flora), animal and wildlife (fauna), genetic resources for food and agriculture secured in either medium or long-term conservation facilities	100	
	Conservation program in preparation		0.05x100*
	Conservation program 1-25% implemented		0.25×100
	Conservation program 25-50% implemented		0.50×100
	Conservation program 50-75% implemented		0.75×100
	Conservation program fully implemented		1.00×100
	Total	1500	

^{*)} Light green indicates new questions introduced in 2022

Setting and Infrastructure (SI)



SI 6

SI7

No	CRITERIA
1	Setting and Infrastructure (SI)
SI1	The ratio of open space area to the total area
SI2	Total area on campus covered in forest vegetation
SI3	Total area on campus covered in planted vegetation
SI4	Total area on campus for water absorption besides the forest and planted vegetation
SI5	The total open space area divided by the total campus population
SI6	Percentage of university budget for sustainability efforts
SI7	Percentage of operation and maintenance activities of building in one year period
SI8	Campus facilities for disabled, special needs, and/or maternity care
SI9	Security and safety facilities
SI10	Health infrastructure facilities for students, academics, and administrative staff's wellbeing
SI11	Conservation: plant (flora), animal (fauna), and wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities





Energy and Climate Change (EC)

2	Energy and Climate Change (EC)		
EC 1	Energy efficient appliances usage	200	
	< 1%		0.05x200*
	1 - 25%		0.25×200
	> 25 - 50%		0.50×200
	> 50 - 75%		0.75×200
	> 75%		1.00×200
EC 2	Smart building implementation	300	
	< 1%		0.05x300*
	1 - 25%		0.25×300
	> 25 - 50%		0.50×300
	> 50 - 75%		0.75×300
	> 75%		1.00×300
EC 3	Number of renewable energy sources in campus	300	
	None		0
	1 source		0.25×300
	2 sources		0.50×300
	3 sources		0.75×300
	> 3 sources		1.00×300

_	EC 4	The total electricity usage divided by total campus population	300	
_	20.7	(kWh per person)	555	
		≥ 2424 kWh		0.05x300*
_		> 1535 - 2424 kWh		0.25×300
_		> 633 - 1535 kWh		0.50×300
		> 279 - 633 kWh		0.75×300
-		< 279 kWh		1.00×300
	EC 5	The ratio of renewable energy production divided by total energy	200	
		usage per year		
		≤ 0.5%		0.05x200*
		> 0.5 - 1%		0.25×200
		>1-2%		0.50×200
		> 2 - 25%		0.75×200
		> 25%		1.00×200
				-



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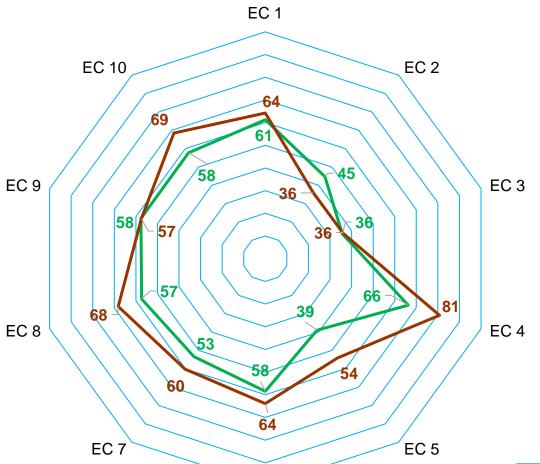
Energy and Climate Change (EC)

EC 6	Elements of green building implementation as reflected in all construction and renovation policies	200	
	None		0
	1 element		0.25×200
	2 elements		0.50×200
	3 elements		0.75×200
	> 3 elements		1.00×200
EC 7	Greenhouse gas emission reduction program	200	
	None		0
	Program in preparation		0.25×200
	Program(s) aims to reduce one out of three scopes emissions		0.50×200
	Program(s) aims to reduce two out of three scopes emissions		0.75×200
	Program(s) aims to reduce all three scopes emissions		1.00×200
EC 8	The total carbon footprint divided by total campus population	200	
	≥ 2.05 metric ton		0.05x200*
	> 1.11 - 2.05 metric ton		0.25×200
	> 0.42 - 1.11 metric ton		0.50×200
	> 0.10 - 0.42 metric ton		0.75×200
	< 0.10 metric ton		1.00×200

^{*)} Light green indicates new questions introduced in 2022

EC 6 Elements of green building implementation as reflected in all construction and renovation policies None 1 element 2 elements 3 elements 3 elements 5 dements 1 0.05×200 2 alements 1 0.00×200 2 alements 2 00 EC 7 Forgram(s) aims to reduce one out of three scopes emissions Program(s) aims to reduce all three scopes emissions Program(s) aims to reduce all three scopes emissions Program(s) aims to reduce two out of three scopes emissions Program(s) aims to reduce two out of three scopes emissions Program(s) aims to reduce two out of three scopes emissions Program(s) aims to reduce two out of three scopes emissions Program(s) aims to reduce two out of three scopes emissions Program(s) aims to reduce two out of three scopes emissions Program(s) aims to reduce two out of three scopes emissions Program(s) aims to reduce two out of three scopes emissions Program(s) aims to reduce all three scopes emissions Program(s) aims to reduce two out of three scopes emissions Program(s) aims to reduce two out of three scopes emissions Program(s) aims to reduce two out of three scopes emissions Program(s) aims to reduce two out of three scopes emissions Program(s) aims to reduce two out of three scopes emissions Program(s) aims to reduce two out of three scopes emissions Programs Programeric ton Programe				
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> 3 elements 1.00×200 EC 7 Greenhouse gas emission reduction program 200 None 0.25×200 Program in preparation 0.25×200 Program(s) aims to reduce one out of three scopes emissions 0.50×200 Program(s) aims to reduce two out of three scopes emissions 0.75×200 Program(s) aims to reduce all three scopes emissions 1.00×200 Program(s) aims to reduce all three scopes emissions 1.00×200 EC 8 The total carbon footprint divided by total campus population 200 ≥ 2.05 metric ton 0.05×200* > 1.11 - 2.05 metric ton 0.25×200 > 0.42 - 1.11 metric ton 0.50×200 > 0.10 - 0.42 metric ton 0.75×200 < 0.10 metric ton 1.00×200 EC 9 Number of innovative program(s) in Energy and Climate Change 100 None 0 1 program 0.25×100 2 programs 0.50×100 3 programs 0.50×100 Impactful university program(s) on climate change 100 EC 10 Impactful university program(s) on climate change 100 Program in preparation 0.25×100 Provide training, educational materials and activities for surrounding communities and at national level 100×100 Provide training, educational materials and activities for surrounding communities, at national, regional, and international level 100×100×100 EC 9 Provide training, educational materials and activities for surrounding communities, at national, regional, and international level 1.00×100		2 elements		0.50×200
EC 7 Greenhouse gas emission reduction program 200		3 elements		0.75×200
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Program(s) aims to reduce two out of three scopes emissions Program(s) aims to reduce all three scopes emissions 1.00×200 EC 8 The total carbon footprint divided by total campus population ≥ 2.05 metric ton ○.05×200* > 1.11 - 2.05 metric ton ○.042 - 1.11 metric ton ○.010 - 0.42 metric ton ○.010 - 0.42 metric ton ○.010 metric ton ○.010 metric ton ○.010 metric ton ○.025×200 ○.010 metric ton ○.010 metric ton ○.025×100 ○.025×100 ○.025×100 ○.025×100 ○.05×100 ○		Program in preparation		0.25×200
Program(s) aims to reduce all three scopes emissions 1.00×200 1.00×200 1.00×200* 2.05 metric ton 3.050×200 2.010 - 0.42 metric ton 4.00 metric ton 1.00×200 2.010 metric ton 1.00×200 1.00×200 1.00×200 1.00×200 2.05×100 2.05×100 2.05×100 1.00×100 2.05×100 2.0		Program(s) aims to reduce one out of three scopes emissions		0.50×200
EC 8 The total carbon footprint divided by total campus population ≥ 2.05 metric ton > 1.11 - 2.05 metric ton > 0.25×200 > 0.42 - 1.11 metric ton > 0.10 - 0.42 metric ton < 0.10 metric ton 1.00×200 EC 9 Number of innovative program(s) in Energy and Climate Change None 1 program 2 programs 3 programs 0.50×100 2 programs 0.75×100 More than 3 programs 1.00×100 EC 10 Impactful university program(s) on climate change None Program in preparation Provide training, educational materials and activities for surrounding communities Provide training, educational materials and activities for surrounding communities and at national level Provide training, educational materials and activities for surrounding communities, at national, regional, and international level		Program(s) aims to reduce two out of three scopes emissions		0.75×200
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> 1.11 - 2.05 metric ton > 0.42 - 1.11 metric ton	EC 8	The total carbon footprint divided by total campus population	200	
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> 0.10 - 0.42 metric ton		> 1.11 - 2.05 metric ton		0.25×200
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EC 9 Number of innovative program(s) in Energy and Climate Change None 1 program 2 programs 0.25×100 3 programs 0.75×100 More than 3 programs 1.00×100 EC 10 Impactful university program(s) on climate change None 0 Program in preparation 0.25×100 Provide training, educational materials and activities for surrounding communities Provide training, educational materials and activities for surrounding communities and at national level Provide training, educational materials and activities for surrounding communities, at national, regional, and international level		> 0.10 - 0.42 metric ton		0.75×200
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1 programs 0.25×100 2 programs 0.50×100 3 programs 0.75×100 More than 3 programs 1.00×100 EC 10 Impactful university program(s) on climate change 100 None 0 Program in preparation 0.25×100 Provide training, educational materials and activities for surrounding communities Provide training, educational materials and activities for surrounding communities and at national level Provide training, educational materials and activities for surrounding communities and at national level Provide training, educational materials and activities for surrounding communities, at national, regional, and international level	EC 9	Number of innovative program(s) in Energy and Climate Change	100	
2 programs 0.50×100 3 programs 0.75×100 More than 3 programs 1.00×100 EC 10 Impactful university program(s) on climate change 100 None 0 0 Program in preparation 0.25×100 Provide training, educational materials and activities for surrounding communities Provide training, educational materials and activities for surrounding communities and at national level Provide training, educational materials and activities for surrounding communities, at national, regional, and international level		None		0
3 programs 0.75×100 More than 3 programs 1.00×100 EC 10 Impactful university program(s) on climate change 0 None 0 Program in preparation 0.25×100 Provide training, educational materials and activities for surrounding communities 0.50×100 Provide training, educational materials and activities for surrounding communities and at national level 0.75×100 Provide training, educational materials and activities for surrounding communities, at national level 1.00×100 Surrounding communities, at national, regional, and international level 1.00×100		1 program		0.25×100
More than 3 programs EC 10 Impactful university program(s) on climate change None Program in preparation Provide training, educational materials and activities for surrounding communities Provide training, educational materials and activities for surrounding communities and at national level Provide training, educational materials and activities for surrounding communities and at national level Provide training, educational materials and activities for surrounding communities, at national, regional, and international level		2 programs		0.50×100
EC 10 Impactful university program(s) on climate change 100 None 0 Program in preparation 0.25×100 Provide training, educational materials and activities for surrounding communities Provide training, educational materials and activities for surrounding communities and at national level Provide training, educational materials and activities for surrounding communities, at national, regional, and international level		3 programs		0.75×100
None Program in preparation O.25×100 Provide training, educational materials and activities for surrounding communities Provide training, educational materials and activities for surrounding communities and at national level Provide training, educational materials and activities for surrounding communities, at national, regional, and international level		More than 3 programs		1.00×100
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surrounding communities Provide training, educational materials and activities for surrounding communities and at national level Provide training, educational materials and activities for surrounding communities, at national, regional, and international level		Program in preparation		0.25×100
Provide training, educational materials and activities for surrounding communities and at national level Provide training, educational materials and activities for surrounding communities, at national, regional, and international level		Provide training, educational materials and activities for		0.50×100
surrounding communities and at national level Provide training, educational materials and activities for surrounding communities, at national, regional, and international level		surrounding communities		
Provide training, educational materials and activities for surrounding communities, at national, regional, and international level				0.75×100
surrounding communities, at national, regional, and international level				
level		Provide training, educational materials and activities for		1.00×100
1010		surrounding communities, at national, regional, and international		
Total 2100		level		
		Total	2100	

Energy and Climate Change (EC)



2	Energy and Climate Change (EC)
EC1	Energy-efficient appliances usage
EC2	Smart building implementation
EC3	Number of renewable energy sources on campus
EC4	Total electricity usage divided by total campus' population (kWh per person)
EC5	The ratio of renewable energy production divided by total energy usage per year
EC6	Elements of green building implementation as reflected in all construction and renovation policies
EC7	Greenhouse gas emission reduction program
EC8	Total carbon footprint divided by total campus' population (metric tons per person)
EC9	Number of the innovative program(s) in energy and climate change
EC10	Impactful university program(s) on climate change





—Average from 1050 universities in %

—Average from Mexico universities in %

Waste (WS)

3	Waste (WS)		
WS 1	Recycling program for university waste	300	
	None		0
	Partial (1 - 25% of waste)		0.25×300
	Partial (> 25 - 50% of waste)		0.50×300
	Partial (> 50 - 75% of waste)		0.75×300
	Extensive (> 75% of waste)		1.00×300
WS 2	Program to reduce the use of paper and plastic on campus	300	
	None		0
	1 program		0.25×300
	2 programs		0.50×300
	3 programs		0.75×300
	More than 3 programs		1.00×300
WS 3	Organic waste treatment	300	
	Open dumping		0
	Partial (1 - 25% treated)		0.25×300
	Partial (> 25 - 50% treated)		0.50×300
	Partial (> 50 - 75% treated)		0.75×300
	Extensive (> 75% treated)		1.00×300

WS 4	Inorganic waste treatment	300	
	Burned in open		0
	Partial (1 - 25% treated)		0.25×300
	Partial (> 25 - 50% treated)		0.50×300
	Partial (> 50 - 75% treated)		0.75×300
	Extensive (> 75% treated)		1.00×300
WS 5	Toxic waste treatment	300	
	Not managed		0
	Partial (1 - 25% treated)		0.25×300
	Partial (> 25 - 50% treated)		0.50×300
	Partial (> 50 - 75% treated)		0.75×300
	Extensive (> 75% treated) or campus produces a minimum amount		1.00×300
	of toxic waste		
WS 6	Sewage disposal	300	
	Untreated into waterways		0
	Treated conventionally		0.25×300
	Treated technically for reuse		0.50×300
	Treated technically for downcycling		0.75×300
	Treated technically for upcycling		1.00×300
	Total	1800	



^{*)} Light green indicates new questions introduced in 2022

Waste (WS)





3	Waste (WS)
WS1	Recycling program for university's waste
WS2	Program to reduce the use of paper and plastic on campus
WS3	Organic waste treatment
WS4	Inorganic waste treatment
WS5	Toxic waste treatment
WS6	Sewage disposal

Average from 1050 universities in %

Average from Mexico universities in %





Water (WS)

4	Water (WR)		
WR 1	Water conservation program and implementation	200	
	None		0
	Program in preparation		0.25×200
	1 - 25% implemented at early stage (i.e., measurement of potential surface runoff volume)		0.50×200
	> 25 - 50% water conserved		0.75×200
	> 50% water conserved		1.00×200
WR 2	Water recycling program implementation	200	
	None		0
	Program in preparation		0.25×200
	1 - 25% implemented at early stage		0.50×200
	> 25 - 50% water recycled		0.75×200
	> 50% water recycled		1.00×200
WR 3	Water efficient appliance usage	200	
	None		0
	Program in preparation		0.25×200
	1 - 25% of water efficient appliances installed		0.50×200
	> 25 - 50% of water efficient appliances installed		0.75×200
	> 50% of water efficient appliances installed		1.00×200

^{*)} Light green indicates new questions introduced in 2022

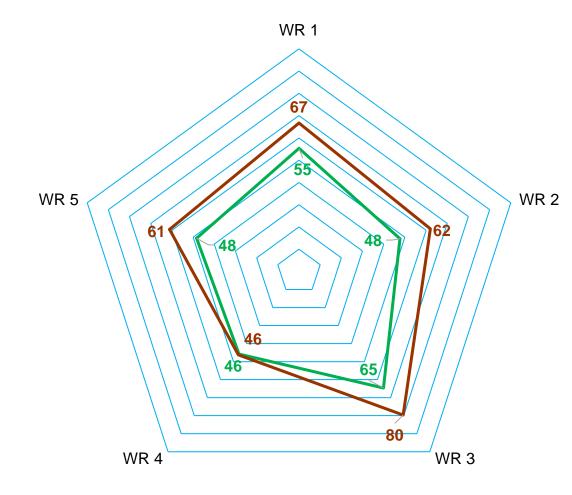
WR 4	Treated water consumed	200	
	None		0
	1 - 25% treated water consumed		0.25×200
	> 25 - 50% treated water consumed		0.50×200
	> 50 - 75% treated water consumed		0.75×200
	> 75% treated water consumed		1.00×200
WR 5	Water pollution control in campus area	200	
	Policy and preparation		0.05x200*
	Design and construction		0.25×200
	Guideline standard available and initial implementation		0.50×200
	Full implementation and monitored occasionally		0.75×200
	Full implementation and monitored regularly		1.00×200
	Total	1000	





Water (WR)





4	Water (WR)
WR1	Water conservation program & implementation
WR2	Water recycling program implementation
WR3	Water-efficient appliances usage
WR4	Consumption of treated water
WR5	Water pollution control in the campus area

—Average from 1050 universities in %

— Average from Mexico universities in %





Transportation (TR)

			TR 3	Zero Emission Vehicles (ZEV) policy on campus	200	
	200	1		Zero Emission Vehicles are not available		0
total campus population*	4′		4	Zero Emission Vehicles use is not possible or practical		0.25×200
≥1		0	4	Zero Emission Vehicles are available, but not provided by		0.50×200
> 0.5 - 1		0.25×200		university		
> 0.125 - 0.5		0.50×200		Zero Emission Vehicles are available, provided by university and		
> 0.045 - 0.125		0.75×200		charged		0.75×200
< 0.045		1.00×200				
Shuttle services	300			free		1.00×200
Shuttle service is possible but not provided by university		0	TR 4	The total number of Zero Emission Vehicles (ZEV) divided by total	200	
Shuttle service is provided (by university or other parties) and		0.25×300		campus population*		
regular but not free				≤ 0.002		0.05x200*
Shuttle service is provided (by university or other parties) and the		0.50×300				0.25×200
university contributes part of the cost	<u> </u>	<u> </u>				0.50×200
Shuttle service is provided by university, regular, and free		0.75×300				
Shuttle service is provided by university, regular, and zero		1.00×300				0.75×200
emission vehicle. Or shuttle use is not possible (not applicable)	1	1		> 0.02		1.00×200
	> 0.5 - 1 > 0.125 - 0.5 > 0.045 - 0.125 < 0.045 Shuttle services Shuttle service is possible but not provided by university Shuttle service is provided (by university or other parties) and regular but not free Shuttle service is provided (by university or other parties) and the university contributes part of the cost Shuttle service is provided by university, regular, and free Shuttle service is provided by university, regular, and zero	The total number of vehicles (cars and motorcycles) divided by total campus population* ≥ 1 > 0.5 - 1 > 0.125 - 0.5 > 0.045 - 0.125 < 0.045 Shuttle services Shuttle service is possible but not provided by university Shuttle service is provided (by university or other parties) and regular but not free Shuttle service is provided (by university or other parties) and the university contributes part of the cost Shuttle service is provided by university, regular, and free Shuttle service is provided by university, regular, and zero	The total number of vehicles (cars and motorcycles) divided by total campus population* ≥ 1 > 0.5 - 1 > 0.125 - 0.5 > 0.125 - 0.5 > 0.045 - 0.125 < 0.045 Shuttle service is possible but not provided by university Shuttle service is provided (by university or other parties) and regular but not free Shuttle service is provided (by university or other parties) and the university contributes part of the cost Shuttle service is provided by university, regular, and free Shuttle service is provided by university, regular, and free Shuttle service is provided by university, regular, and zero 1.00×300	The total number of vehicles (cars and motorcycles) divided by total campus population* ≥ 1 > 0.5 - 1 > 0.125 - 0.5 > 0.125 - 0.5 > 0.045 - 0.125 < 0.045 Shuttle services Shuttle service is provided (by university or other parties) and regular but not free Shuttle service is provided (by university or other parties) and the university contributes part of the cost Shuttle service is provided by university, regular, and free Shuttle service is provided by university, regular, and free Shuttle service is provided by university, regular, and zero 1.00×300	Transportation (TR) The total number of vehicles (cars and motorcycles) divided by total campus population* ≥ 1 0 0 > 0.5 - 1 0 0.25×200 > 0.045 - 0.125 < 0.045 Shuttle services Shuttle service is provided (by university or other parties) and regular but not free Shuttle service is provided (by university or other parties) and university contributes part of the cost Shuttle service is provided by university, regular, and free Shuttle service is provided by university, regular, and zero TR 3 Zero Emission Vehicles are not available Zero Emission Vehicles are available, but not provided by university and charged Zero Emission Vehicles are available, provided by university and charged Zero Emission Vehicles are available, provided by university and charged Zero Emission Vehicles are available, provided by university and charged Zero Emission Vehicles are available, provided by university and charged Zero Emission Vehicles are available, provided by university and charged Zero Emission Vehicles are available, provided by university and charged Zero Emission Vehicles are available, provided by university and charged Zero Emission Vehicles are available, provided by university and charged Zero Emission Vehicles are available, provided by university and charged Zero Emission Vehicles are available, and provided by university of charged Zero Emission Vehicles are available, and provided by university free Zero Emission Vehicles are available, and provided by university of charged Zero Emission Vehicles are available, and provided by university of charged Zero Emission Vehicles are available, and provided by university of charged Zero Emission Vehicles are available, and provided by university of charged Zero Emission Vehicles are available, and provided by university of charged Zero Emission Vehicles are available, and provided by university of charged Zero Emission Vehicles are available, and provided by university of charged Zero Emission Vehicles are available, and provided by univ	Transportation (TR) The total number of vehicles (cars and motorcycles) divided by total campus population* ≥ 1 > 0.5 - 1 > 0.25 × 200 > 0.125 - 0.5 > 0.045 - 0.125 < 0.045 Shuttle service is possible but not provided by university or other parties) and regular but not free Shuttle service is provided (by university or other parties) and the university contributes part of the cost Shuttle service is provided by university, regular, and free Shuttle service is provided by university, regular, and zero TR 3 Zero Emission Vehicles (ZEV) policy on campus Zero Emission Vehicles use is not possible or practical Zero Emission Vehicles are available, but not provided by university and charged Zero Emission Vehicles are available, provided by university and charged Zero Emission Vehicles are available, provided by university free TR 4 The total number of Zero Emission Vehicles (ZEV) divided by total campus population* ≤ 0.002 > 0.002 to ≤ 0.004 > 0.002 to ≤ 0.004 > 0.008 to ≤ 0.008 > 0.008 to ≤ 0.002 > 0.008 to ≤ 0.002 > 0.008 to ≤ 0.002



^{*)} Light green indicates new questions introduced in 2022

Transportation (TR)

TR 5	The ratio of the ground parking area to total campus area*	200	
	> 11%		0
	>7-11%		0.25×200
	> 4 - 7 %		0.50×200
	> 1 - 4 %		0.75×200
	< 1%		1.00×200
TR 6	Transportation program designed to limit or decrease the parking	200	
	area on campus for the last 3 years (from 2019 to 2021)		
	None		0
	Program in preparation (i.e., feasibility study and promotion)		0.25×200
	Program resulting in less than 10% decrease in parking area		0.50×200
	Program resulting in 10 - 30% decrease in parking area		0.75×200
	Program resulting in more than 30% decrease in parking area or		1.00x200
	parking area reduction reaching its limit		

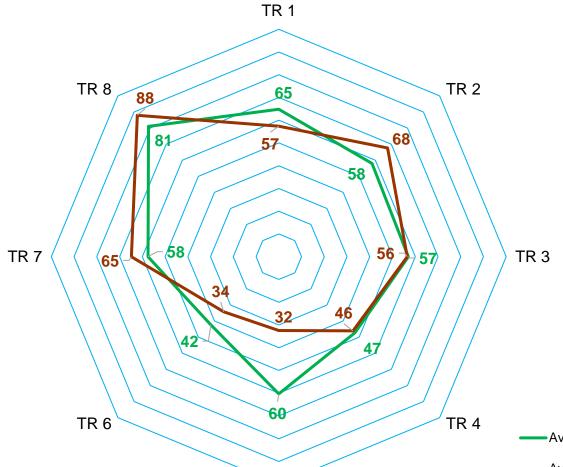
\exists		Program in preparation (i.e., feasibility study and promotion)		0.25×200
71		Program resulting in less than 10% decrease in parking area		0.50×200
71		Program resulting in 10 - 30% decrease in parking area		0.75×200
71		Program resulting in more than 30% decrease in parking area or		1.00x200
ĦΙ		parking area reduction reaching its limit		
7	TR 7	Number of transportation initiatives to decrease private vehicles	200	
╗		on campus		
		No initiative		0
71		1 initiative		0.25×200
╗		2 initiatives		0.50×200
\exists		3 initiatives		0.75×200
\exists		> 3 initiatives, or initiative is no longer required		1.00×200
+[TR 8	Pedestrian path on campus	300	
		None		0
+		Pedestrian paths are available		0.25×300
		Pedestrian paths are available, and designed for safety		0.50×300
		Pedestrian paths are available, designed for safety and		0.75×300
		convenience		
		Pedestrian paths are available, designed for safety, convenience,		1.00×300
		and in some parts provided with disabled-friendly features		
		Total	1800	



^{*)} Light green indicates new questions introduced in 2022

Transportation (TR)





TR 5

5	Transportation (TR)	
TR1	The total number of vehicles (cars and motorcycles) divided by the total campus' population	
TR2	Shuttle services	
TR3	Zero-Emission Vehicles (ZEV) policy on campus	
TR4	The total number of Zero-Emission Vehicles (ZEV) divided by the total campus population	
TR5	The ratio of the ground parking area to the total campus' area	
TR6	TR6 Program to limit or decrease the parking area on campus for the last 3 years (from 2019 to 2021)	
TR7	Number of initiatives to decrease private vehicles on campus	
TR8	The pedestrian path on campus	

Average from Mexico universities in %





Education and Research (ED)

6	Education and Research (ED)		
ED 1	The ratio of sustainability courses to total courses/subjects	300	
	≤ 1%		0.05x300*
	>1-5%		0.25×300
	> 5 - 10%		0.50×300
	> 10 - 20%		0.75×300
	> 20%		1.00×300
ED 2	The ratio of sustainability research funding to total research funding	200	
	≤ 1%		0.05x200*
	>1-8%		0.25×200
	> 8 - 20%		0.50×200
	> 20 - 40%		0.75×200
	> 40%		1.00×200
ED 3	Number of scholarly publications on sustainability	200	
	0		0
	1 – 20		0.25×200
	21 – 83		0.50×200
	84 - 300		0.75×200
	> 300		1.00×200

ED 4	Number of events related to sustainability	200	
	0		0
	1-4		0.25×200
	5 – 17		0.50×200
	18 - 47		0.75×200
	> 47		1.00×200
ED 5	Number of student organizations related to sustainability	200	
	0		0
	1-2		0.25×200
	3 – 4		0.50×200
	5 - 10		0.75×200
	> 10		1.00×200
ED 6	University-run sustainability website	200	
	Not available		0
	Website in progress or under construction		0.25×200
	Website is available and accessible		0.50×200
	Website is available, accessible, and updated occasionally		0.75×200
	Website is available, accessible, and updated regularly		1.00x200



^{*)} Light green indicates new questions introduced in 2022

Education and Research (ED)

ED 7	Sustainability report	100	
	Not available		0
	Sustainability report is in preparation		0.25×100
	Available but not publicly accessible		0.50×100
	Sustainability report is accessible and published occasionally		0.75×100
	Sustainability report is accessible and published annually		1.00x100
ED 8	Number of cultural activities on campus	100	
	None		0
	1 event per year		0.25×100
	2 events per year		0.50×100
	3 events per year		0.75×100
	More than 3 events per year		1.00x100
ED 9	Number of university program(s) to improve teaching and	100	
	learning		
	None		0
	1 Program		0.25×100
	2 Programs		0.50×100
	3 Programs		0.75×100
	More than 3 programs		1.00x100

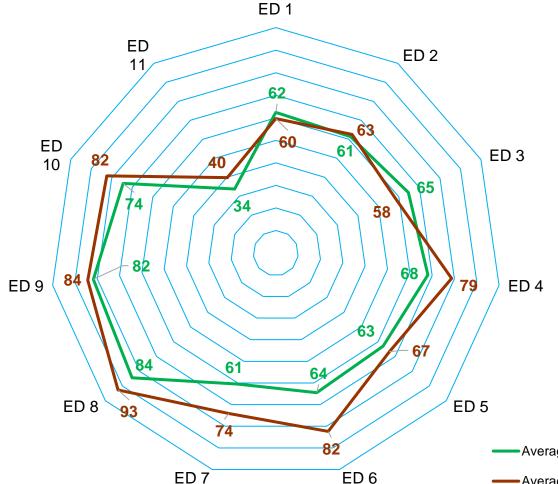
	ED 10	Number of sustainability community services project organized and/or involving students	100	
		None		0
		1 project		0.25×100
		2 projects		0.50×100
		3 projects		0.75×100
L		More than 3 projects		1.00x100
	ED 11	Number of sustainability-related startups	100	
		None		0
		1 – 5 startups		0.25×100
		6 – 10 startups		0.50×100
		11 – 15 startups		0.75×100
		More than 15 startups		1.00x100
		Total	1800	
		TOTAL	10000	



^{*)} Light green indicates new questions introduced in 2022

Education & Research (ED)





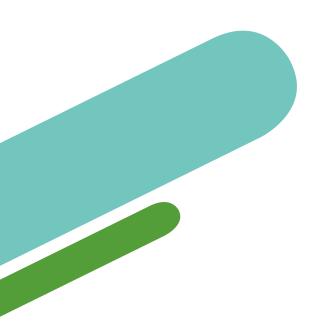
6	Education and Research (ED)
ED1	The ratio of sustainability courses to total courses/subjects
ED2	The ratio of sustainability research funding to total research funding
ED3	Number of scholarly publications on sustainability
ED4	Number of events related to sustainability
ED5	Number of student organizations related to sustainability
ED6	University-run sustainability website
ED7	Sustainability report
ED8	Number of cultural activities on campus
ED9	Number of university program(s) to improve teaching and learning
ED10	Number of sustainability community services projects organized and/or involving students
ED11	Number of sustainability-related startups





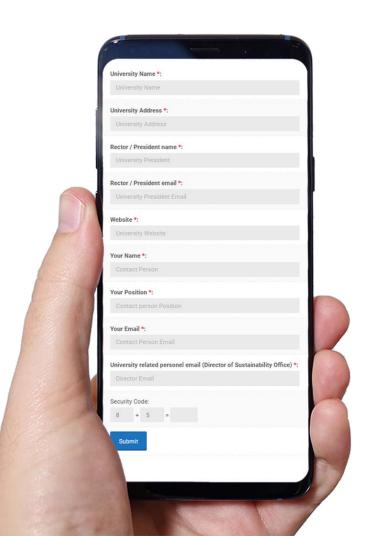
—Average from 1050 universities in %





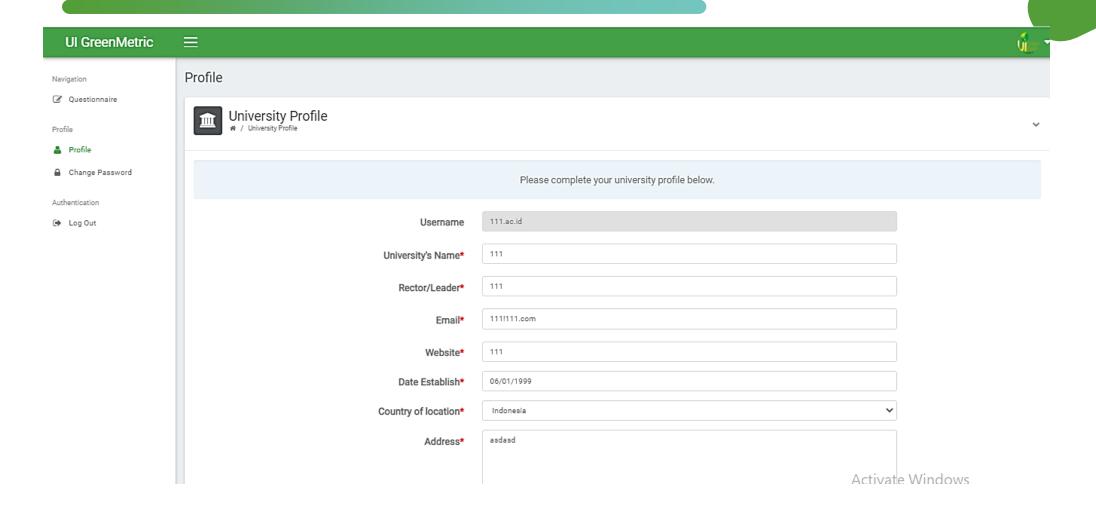
Data Submission Process

How To Participate - Register



If your University would like to join the UI GreenMetric and have not received the invitation, you can register via web at https://greenmetric.ui.ac.id/registration-page or via email at greenmetric@ui.ac.id

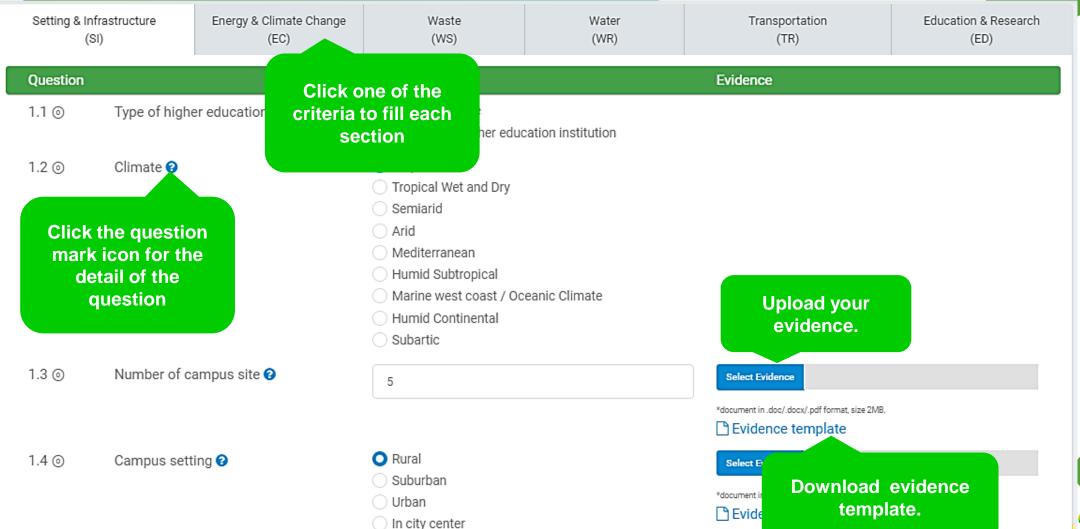
UI GreenMetric Questionnaire Online Questionnaire - Profile







UI GreenMetric Questionnaire - Online Questionnaire Page





Put your university's logo here

Fill the data correctly

Evidence could be pictures, graphs, tables, data, etc.

Provide explanation in description section for the pictures submitted.

Add some link for an online evidence

Put your university logo here



Template for Evidence(s) UI GreenMetric Questionnaire

University : ...
Country : ...
Web Address : ...

[3] Waste (W5)

Delete this mark

[3.2] Program to Reduce the Use of Paper and Plastic on Campus

SAMPLE



Description:

(Please describe the program to reduce the use of paper and plastic on your compus. The following is an example of the description. You can describe more related items if needed.)

- Mahidol IT supports paperless system to reduce paper in daily workplace. It can reduce a lot of paper use that mean Mahidol University can reduce CO2 emissions and save the world.
- Solutions of reusable paper in back office, e.g. using 2-side of paper, always recheck your data before print, use online system instead of hard copy.
- Mahidol University has a policy of "Reduce Reuse plastic bag in the last 3 years. We can reduce around 3
 million bags per year or reduce 90% of plastic waste in university".

"Mahidol Reduce & Reuse Plastic Bag" project is consistent with the campaign's key points of United Nations Environment Program (UNEP) this year focused its campaign on "Waste Plastic Pollution" (Beat Plastic Pollution) is the same direction around the world as "if you cannot reuse it, refuse it".

Additional evidence link:

How to Provide The Evidence?

Replace the data with your university's data

Explanation of evidence should be in English.

26



UI GreenMetric Questionnaire Online Questionnaire – Submit



Terms and Conditions

By submitting these data (texts, photos, documents and updated link of your green website), you agree to give UI GreenMetric permission to process and disseminate the results for ranking purposes only.

In addition, in case you are unable to submit data, UI GreenMetric has a right to use the latest available data submitted for the ranking process. The data will be considered valid for 3 years unless you revise the data in the online questionnaire

SAVE AND BACK

Click "Print Draft Answer" to print your answers to ask approval from your authority before you submit PRINT DRAFT ANSWER

SAVE AS DRAFT

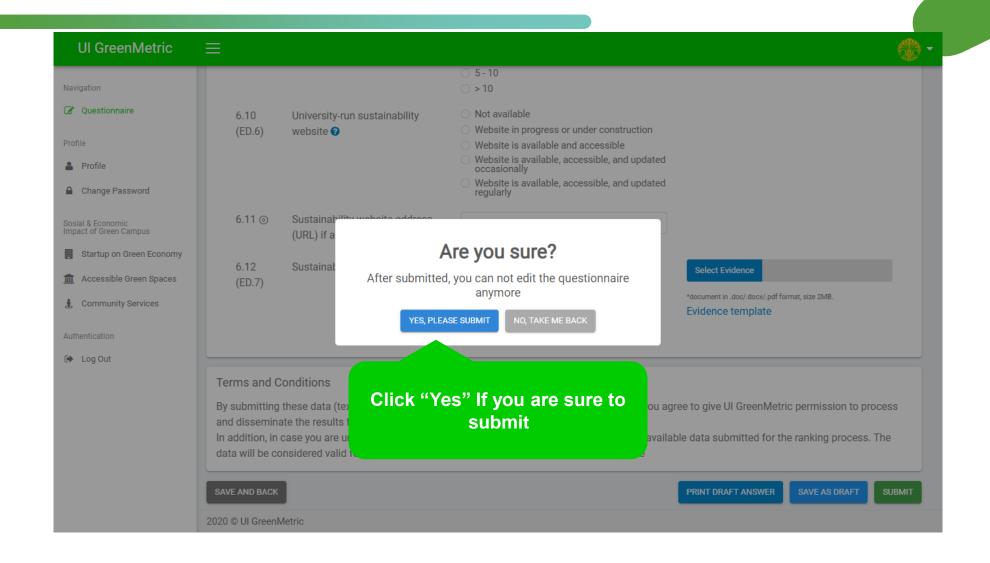
SUBMIT

2.

Click "Save as Draft" to continue filling the data

Click "Submit" to submit your questionnaire

UI GreenMetric Questionnaire Online Questionnaire – Submit







Useful Links

Methodology:

- UI GreenMetric World University Rankings: https://greenmetric.ui.ac.id/about/methodology
- UI GreenMetric guideline: https://greenmetric.ui.ac.id/publications/guidelines
- UI GreenMetric questionnaire: https://greenmetric.ui.ac.id/publications/questionnaire
- UI GreenMetric template evidence: https://greenmetric.ui.ac.id/publications/evidence-template

Results:

- UI GreenMetric World University Rankings: https://greenmetric.ui.ac.id/rankings/overall-rankings-2022
- UI GreenMetric University Rankings by Region: https://greenmetric.ui.ac.id/rankings/ranking-by-region-2022
- UI GreenMetric University Rankings by Country: https://greenmetric.ui.ac.id/rankings/ranking-by-country-2022
- UI GreenMetric University Rankings by Category: https://greenmetric.ui.ac.id/rankings/ranking-by-category-2022

Network:

• UI GreenMetric World University Rankings Network: https://greenmetric.ui.ac.id/network/organization



THANK YOU!

Do you have any questions?

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