Green Metric

World University Ranking

UI GreenMetric World University Ranking

Join International Stakeholder Workshop (JISW) UI-UF-UC NOVEL APPROACHES OF EMPLOYING GREEN INFRASTRUCTURE TO ENHANCE URBAN SUSTAINABILITY

> Wednesday, 21 October 2015 Chevron Room, Faculty of Engineering UI



- It is open to global participation
- It is accessible to HEIs in both the developed and developing world
- It should contribute to academic discourse on sustainability in education and the greening of campuses
- It should encourage university-led social change with regard to sustainability goals.





Aim of the Ranking

To encourage universities in the world to look and self asses their policies and direction in relation with the effort to combat global climate change:

•Reservation of energy

•Water

Waste recycling program

•Transportati Methodology UI Green Metric 2013

- Education
- Keeping the campus green

•Involving all stakeholders to change their behavior in order to keep a sustainable environment.

To provide the result of online survey regarding the current condition and policies related to Green Campus and sustainability, in the Universities all over the world.



Methodology

Criteria

Scoring

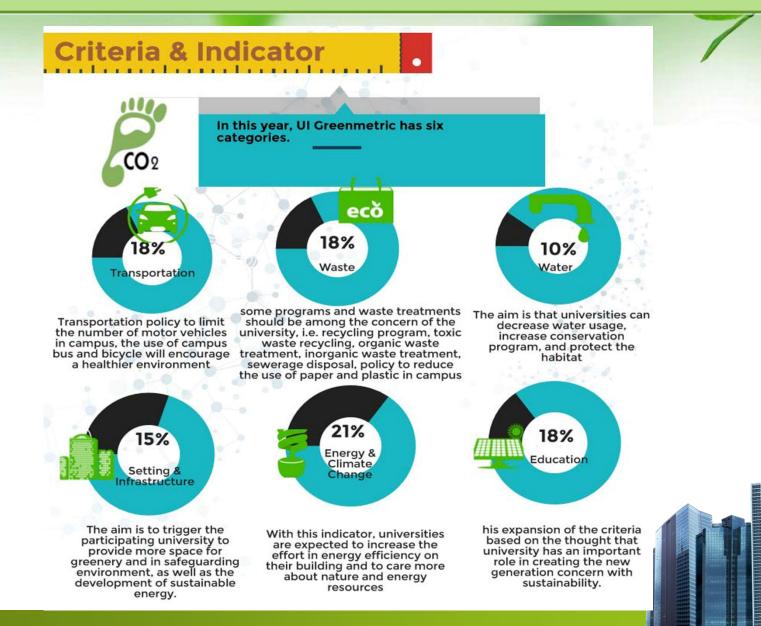
We selected criteria that are generally thought to be of importance by universities concerned with sustainability. > collection of a basic profile of the size of the university and its zoning profile, whether urban, suburban, rural. Beyond this we want to see the degree of green space. > The next category of information concerns electricity consumption because of its link to our carbon footprint. > Then we want to know about transport, water usage, waste management and so on. Beyond these indicators, we want to get a picture about how the university is responding to or dealing with the issue of sustainability through policies, actions, and communication.

Sustainability education and research.

Scoring for each item will be numeric so that our data can be processed statistically. Simple counts of things Responses on a scale of some sort.



The Formula



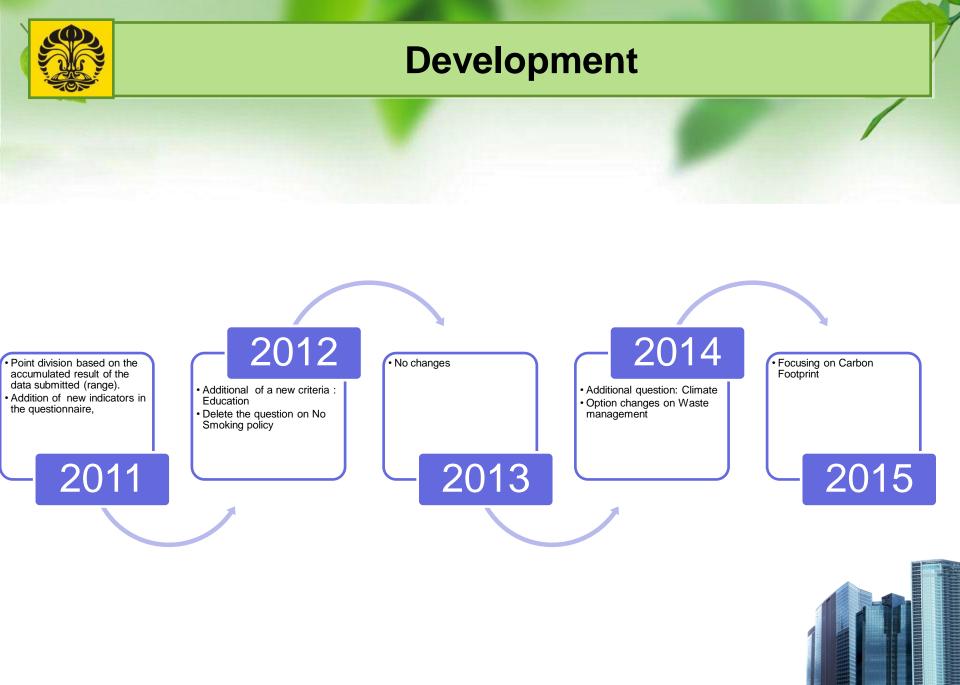


Indicators and Criteria

1.	Setting and Infrastructure (SI)		15%
SI 1	The ratio of open space area towards total area	300	
SI 2	The ratio of open space area towards campus population	300	
SI 3	Area on campus covered in forested vegetation	200	
SI 4	Area on campus covered in planted vegetation	200	
SI 5	Area on campus covered in non-retentive surfaces	300	
SI 6	University budget for sustainable effort	200	
	Total	1,500	
2.	Energy and Climate Change (EC)		21%
EC 1a	Energy efficient appliances usage	200	
EC 1b	Smart building program implementation	100	
EC 2	Renewable energy usage policy	300	
EC 3	The ratio of total electricity usage towards campus population	200	
EC4	Energy conservation program	300	
EC 5	Element of green building implementation	300	
EC 6	Climate change adaptation and mitigation program	300	
EC 7a	Greenhouse gas emission reduction policy	100	
EC 7b	Carbon footprint policy	100	
EC 7c	The ratio of total carbon footprint towards campus open space area and population	200	
	Total	2,100	
3.	Waste (WS)		18 %
WS 1	Recycling program for university waste	300	
WS 2	Toxic waste recycling	300	
WS 3	Organic waste treatment (garbage)	300	
WS 4	Inorganic waste treatment (rubbish)	300	
WS 5	Sewerage disposal	300	
WS6	Policy to reduce the use of paper and plastic in campus	300	
	Total	1,800	

WR 1	Water conservation program	300	
WR 2	Water recycling program	300	
WR 3	The use of water efficient appliances	200	
WR4	Treated water consumed	200	
	Total	1,000	
5.	Transportation (TR)		18 %
TR 1	The ratio of vehicles (cars and motorcycles) towards campus population	200	
TR 2	The ratio of campus bus services towards campus population	200	
TR 3	The ratio of bicycles found towards campus population	200	
TR 4	Transportation policy on limiting vehicles on campus	300	
TR 5	Transportation policy on limiting parking space on campus	300	
TR 6	Campus bus service	300	
TR 7	Bicycle and pedestrian policy on campus	300	
	Total	1,800	
6.	Education (ED)		18 %
ED 1	The ratio of sustainability courses towards total courses	300	
ED 2	The ratio of sustainability research funding towards total research funding	300	
ED 3	Sustainability publications	300	
ED 4	Sustainability events	300	
ED 5	Sustainability organizations (student)	300	
ED 6	Sustainability website	300	
	Total	1,800	
<u>.</u>	TOTAL	10.000	







Participant (All Region)





Participant (All Region)

No	Region	Countries (Universities)	No. Uni.			
1	Southern Africa	South Africa (2)	2			
2	2 North Africa Egypt (2), Marocco (1)					
3	West Africa	Namibia (1)	1			
4	4 Latin America Brazil (8), Chile (1), Colombia (11), Ecuador (1) Peru (1), Mexico (6)		28			
- 5	North America	Canada (11), US (52)	63			
6	6 Central America Puerto Rico (1), Panama (1), Jamaica (1)					
7	7 East Asia China (0), Japan (10), Chinese Taipei (20), Pakista (4), Hongkong (0)		34			
8	South Asia	India (6), Sri Lanka (1)	7			
9	9 South East Asia Indonesia (29), Malaysia (7), Singapore (1), Thailand (16), Vietnam (1), Philippines (2)		56			
10	West Asia	Turkey (9), Syria (1)	10			
11	Middle East Asia	Israel (3), Lebanon (1), Occupied Palestinian Territory (3), Saudi Arabia (1), United Emirates Arab (1), Iran (1), Jordan (4)	14			

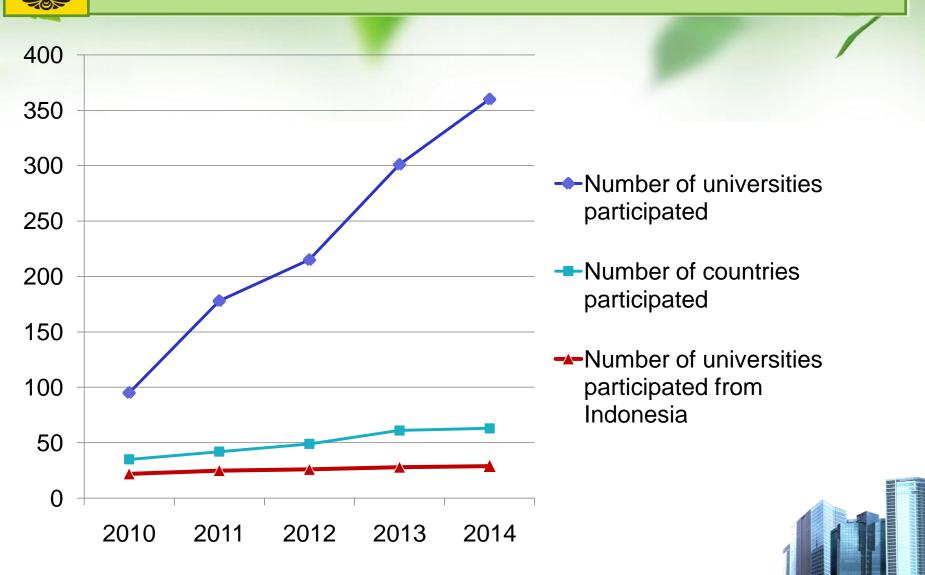
12 Eastern Europe	Czech Republic (2), Hungary (6), Poland (5),	28
	Romania (3), Russian Federation (12)	
13 Northern Europe	e Denmark (2), Finland (4), Ireland (5), Latvia (4),	38
	Lithuania (1), Sweden (3), UK (19)	
14 Southern Europe	e Greece (3), Italy (15), Spain (20), Portugal (2),	41
	Cyprus (1)	
15 Western Europe	Austria (3), Belgium (1), France (4), Germany (9),	22
	Netherland (4), Switzerland (1)	
16 Central Europe	Estonia (0), Ukraine (3), Slovenia (2)	5
17 Oceania	Australia (3), Fiji (1), New Zealand (1)	5
All Regions	Total	360
ASIA		121

ASIA	121
AFRICA	6
AMERICA	94
EUROPE	134
OCEANIA	5
TOTAL	360





Participant (History)





Top 20 UI GreenMetric World Ranking 2014



World University Ranking

1	University of Nottingham		7803	689	2100	1800	990	1650	574
2	University College Cork National University of Ireland	•	7553	627	1890	1725	1000	1675	637
3	Nottingham Trent University	86	7530	770	1830	1650	1000	1425	854
4	University of California, Davis		7403	759	1890	1725	875	1550	604
5	University of Oxford	80	7400	642	1770	1800	995	1625	568
6	University of Bradford		7372	453	1920	1800	995	1525	678
7	University of Connecticut		7349	940	1815	1500	1000	1475	619
8	Universitat fur Bodenkultur Wien	=	7246	590	1890	1800	690	1300	976
9	University of California, Berkeley	-	7222	517	1770	1800	1000	1550	585
10	Northeastern University	-	7196	724	1830	1800	1000	1275	567
11	University of Limerick		7172	799	1620	1725	1000	1375	653
12	University of North Carolina, Chapel Hill		7149	580	1680	1800	980	1575	534
13	University of Plymouth	86	7090	314	1820	1575	1000	1575	806
14	Universite de Sherbrooke	ы	6994	742	1620	1800	1000	1325	507
15	University of Bath	86	6962	855	1695	1650	1000	1250	511
16	Georgia Institute of Technology	-	6961	432	1890	1725	975	1300	639
17	University of Massachusetts Amherst	-	6955	688	1555	1725	1000	1425	563
18	Eindhoven University of Technology	=	6923	762	1755	1425	1000	1325	657
19	University of Szeged	=	6918	676	1695	1725	875	1525	423
20	University of Bremen	-	6828	413	1495	1650	985	1675	610



Achievements

- Mentioned as one of World ranking the opening speech of UNESCO Global Forum on University Ranking (16-17 July 2011)
- Member of IREG (International Ranking Expert Group)
- > 8 Sustainability policies on UI
- International Workshop on UI Greenmetric :
- Vice President of President IREG
- Vice Rector Universität fur Bodenkultur Wien, Prof. Dr. Josef Glössl
- President Da Yeh University, Professor Dong-Sing Wuu
- Università Ca' Foscari di Venezia, Prof. Dr. Chiara Mio
- University of Nottingham, Chris Jagger
- Vice President of Mahidol University Prof. Suwanna Ruangkanchanasetr









Achievements

Invitation for Visit/Conference

- Dr. Allan Lauder to Nagoya University, Japan, Oktober 2012
- Prof. Gunawan Tjahjono to Universidad de Nuevo Leone, Monterrey, Mexico, Agustus 2013
- 2010, Prof. Gunawana Tjahjono in IREG Forum in Genewa
- 2013, Prof. Riri Fitri Sari in IREG forum in Polandia
- Global Green Award from OMAC
- Indonesia Green Awards 2014 for Green Campus Category





UI GreenMetric Publication : National Media



UI strives to make campus greener

Paper Edition | Page: 9

The University of Indonesia (UI) ranked 25th in its own annual workbwide green campus assessment, UI Greenmetric, the committee announced on Tuesday.

UI slipped out of the list's top 20, which was attributed to different indicators used in the assessment and more universities indexed in the rankings, according to UI Greenmetric chairperson Riri Fitri Sarl.

Exactly 215 universities in 49 countries across the globe battled to win the 2012 green campus credential. In 2011, 142 campuses in 42 countries participated in the assessment while only 95 universities from 35 countries participated in 2010.

"We slipped out of the top 20 because there are now more environmentally friendly universities participating, but this has proved that more and more universities are starting to care about the sustainability of the planet," Riri said.

UI, ranked above Virginia Commonweath University in the United States and below National Taipei University of Technology in Taiwan, attained a total score of 6,338.14 in the 2012 assessment.

It was ranked 21st in 2011, with a total score 7,124.39, and 15th in 2010.

The University of Connecticut in the US, the University of Notlingham in England and College Cork National University of Ireland made the top three of the 2012 green university rankings.

The UI Greenmetric of World Universities, which was first launched in 2010, ranks the environmental friendiness of participating universities by sizing up their efforts in energy and water management, education, waste management and infrastructure.

The assessment is primarily based on the universities' websites and publications, and through reports submitted by the head of the universities.

Rini said that the Greenmetric was first aimed at promoting UI, which has developed 100 of its 312 hectares into forests and lakes, as a world-class green university and to entice campuses around the world to take care of the environment.

"A green and healthy environment can provide a better atmosphere for students to learn," she added.

Bitl claimed that UL Greenmetric, which has been a member of the

Z	Nasional Internasion		sional	Ekonomi	i Olahraga Hiburan		Teknologi	Warta Bumi	Artikel
	Pemanasan Global Flor		Flora	Fauna f	Pencemaran				

UI peringkat 25 kampus terhijau di dunia

Selasa, 8 Januari 2013 12:44 WIB | 4515 Views



Perpustakaan Pusat Universitas Indonesia atau disebut juga The Crystal Knowledge tampak dari danau UI Depok, Jawa Barat, Sabtu (24/5). Perpustakaan yang menempati lahan 2,5 Hektare dengan luas bangunan 33.000 meter persegi ini diklaim sebagai perpustakaan terbesar di dunia, dilengkapi sejumlah fasilitas penunjang berteknologi modern. (FOTO ANTARA/Wildan Anjarbakti).

66 ... berdasarkan UI

GreenMetric Ranking of World

Depok, Jawa Barat (ANTARA News) - Universitas Indonesia berhasil menduduki peringkat 25 kampus terhijau di dunia. "Penilaian ini berdasarkan *UI GreenMetric Ranking of World Universities*," kata Wakil Rektor UI bidang Akademik dan Kemahasiswaan, Muhammad Anis, di Gedung Balairung Depok, Selasa.

Menurut dia, untuk peringkat pertama sebagai kampus terhijau yaitu University of Connecticut, Amerika Serikat.

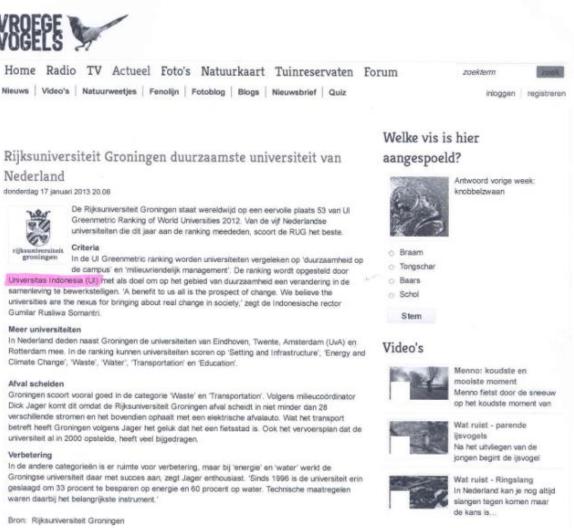
Selanjutnya University of Nottingham, Inggris, dan posisi ketiga University College Cork National University of Ireland, Irlandia.

Perguruan tinggi nasional yang berada di 30 besar, yaitu Institut Pertanian Bogor, yang berada di peringkat 27.

la mengatakan *UI GreenMetric Ranking of World Universities* 2012, diikuti 215 perguruan tinggi dari 49 negara atau mengalami peningkatan dari 2011, yang cuma 178 perguruan tinggi.



UI GreenMetric Publication : International Media



Universitas Indonesia (UI) met als doel om op het gebied van duurzaamheid een verandering in de samenieving te bewerkstelligen. 'A benefit to us all is the prospect of change. We believe the universities are the nexus for bringing about real change in society,' zegt de indonesische rector Gumilar Rusliwa Somantri.

Meer universiteiten

Rotterdam mee. In de ranking kunnen universiteiten scoren op 'Setting and Infrastructure', 'Energy and Climate Change', 'Waste', 'Water', 'Transportation' en 'Education'.

Afval scheiden

Groningen scoort vooral goed in de categorie 'Waste' en 'Transportation'. Volgens milieucoördinator Dick Jager komt dit omdat de Rijksuniversiteit Groningen afval scheidt in niet minder dan 28 verschillende stromen en het bovendien ophaalt met een elektrische afvalauto. Wat het transport betreft heeft Groningen volgens Jager het geluk dat het een fletsstad is. Ook het vervoersplan dat de universiteit al in 2000 opsteide, heeft veel bigedragen.

Verbetering

In de andere categorieën is er ruimte voor verbetering, maar bij 'energie' en 'water' werkt de Groningse universiteit daar met succes aan, zegt Jager enthousiast. 'Sinds 1996 is de universiteit erin geslaagd om 33 procent te besparen op energie en 60 procent op water. Technische maatregelen waren daarbij het belangrijkste instrument."

Bron: Rijksuniversiteit Groningen



UI GreenMetric Publication : International Media

МОБИЛЬНАЯ ВЕРСИЯ

11:32, 17 января 2013г. новости

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Томский политех вошел в "экологический" рейтинг мировых университетов



BOYD: TENCHAR Officer

Томский политехнический университет вошел в «экологический» («зеленый») рейтинг мировых университетов UI Green Metric Ranking of World Universities 2012/2013, опубликованный в очередной раз Университетом Индонезии (UI), сообщает пресс-служба вуза.

В Green Metric Ranking 2012 года ТПУ зания 152 место среди 215 университетов нира. Среди пяти российских вузов, включенных в этот рейтанг, Томский политехнический университет находится на третьем месте. По критериям «Использование энергии» и «Экологическая составляющая в образовании и науке» в группе отечественных вузов ТПУ занимает лидирующие позиции.

Рейтинг публикуется уже третий раз - с 2010 года. Инициатива его разработчиков направлена на привлечение внимания академической общественности к решению вопросов экологии. Шесть основных критериев рейтинга включают показатели потребления и экономии энергии, рационального использования водных ресурсов, хранения и переработки отходов, использования экологически чистых транспортных средств, оценивается площадь зеленых насаждений на территории кампуса. Также в рейтинге учитываются показатели образовательной и научной деятельности по данному направлению.

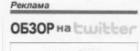
Справка:

В ТПУ реализуются 23 образовательные программы, направленные на изучение и охрану окружающей среды, что составляет 11% от общего количества программ вуза. Общее финансирование проектов ученых вуза в области экологии в среднем за последние три года – порядка 120 клн рублей.

Вуз реализует ряд проектов в области ресурсозффективности: ученые разработали раствор для эффективного тушения пожаров, наноаливаную присадку для автонобилей, уненьшвющую расход топлива и токсичность выхлопных газов, ветро-солнечную электростанцию, разрабатывают водоочистные конплексы, в том числе для очистки сточных вод. Энергетический институт ТПУ реализует проекты «Ресурсоэффективная генерация», «Интеллектуальные эмергосистемы», «Активный потребитель», направленные на экономное потребление электроэнергия. В ранках фонда Сколково политехники работают над проектои Центра «Интеллектуальные эмергосистемы».

В университете функционируют пять студенческих экологических организаций.

[Томский Обзор]



Томский Обзор Бика

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UI GreenMetric Publication : International Media

Willyet.com/tr + Egitme Universities Hotaly

16 Ocak 2013 - 12:22

Milliyet.com.tr faceboek paylaşanları için Redlard

Sabancı Üniversitesi dünyanın en cevreci üniversiteleri listesinde

Sabancı Üniversitesi, bu yıl üçüncüsü yayınlanan ve Endonezya Universitesi tarafından düzenlenen "Ul Green Metric Ranking" 2012'de 144. sırada yer aldı.

Toxpye Et 3 Begen 3 Tweet 0





Sabancı Üniversitesi, bu yıl üçüncüsü yayınlanan ve Endonezya Üniversitesi tarafından düzenlerien "Ul Green Metric Ranking" 2012 de 144. sirada yer aldı. Listede yer alan Türkiye'den bir diğer Universitesi ise 209. sıradaki Bilkent Üniversitesi oldu.

Tüm dünyadan üniversitelerin değerlendirildiği çalışmanın ana kriteri, karbon ayak izlerini azaltmak için çaba harcamak ve böylelikle küresel iklim değişikliğine karşı mücadele etmek olarak. belirlenmişti.

Her üniversite ipin, "Konum ve Atyapi", "Enerji ve İklim Değişikliği", "Abk", "Su", "Ulssim" ve "Eğitim" altkonularında karbon ayak izleri deberledirilmiştir. Sıratama ile tüm dünyadaki üniversitelerde vesil kampüs ve sürdürülebilirlik politikaları ile mevcut durumu sergileyecek bir sonuç ortaya koymak amaglaniyor.

Bul

Üniversite yönetimləri və sosyal paydaşlarının dikkatini çekmekle, küresel iklim değişikliği ile mücadəle, enerji ve su sorunu, atıkların geri dönüşümü ve gevteçi ulaşım konularına daha fazla ónem verilmesi planlanıyor.

Çevre, ekonomi ve adalet temeline dayanan sıralamanın, tutumlarda değişiklik yaratması, sürdürülebilirliğe bağlı ekonomik ve sosyal problemlere daha fazla dikkat çekmesi hedefeniyor

Bu habori internette arayin Yandex

Sabarici Üniversitesi dünyanın en çevreci üniversiteleri ilstesinde

lainden sikilanlar dikkat !

Etikotler: haber, haberler, eğitim, çevreci üniversite, Sabancı Üniversitesi, Bilkent Üniversitesi, 2012, iklim, ulaşım, Türkiye, çevreci, sıradaki, Endonezya, Bilkant Üniversitesi, Sabancı Üniversitesi,

> önceki haber sonraki haber



Üniversite sinavlarina hazırlanmanın püt noktaları Yükseköğretime Geçiş Sınava (YGS) 24 Mart 2013 Pazar gono yapracak ve simav 150

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Milliyel.com.tr yazarları



Kutup Yédizi Psikolojik Dahişman, Pedagog Sinan Çağıran Doğu'ya giden öğretmene fazla maas!

Foto Haber







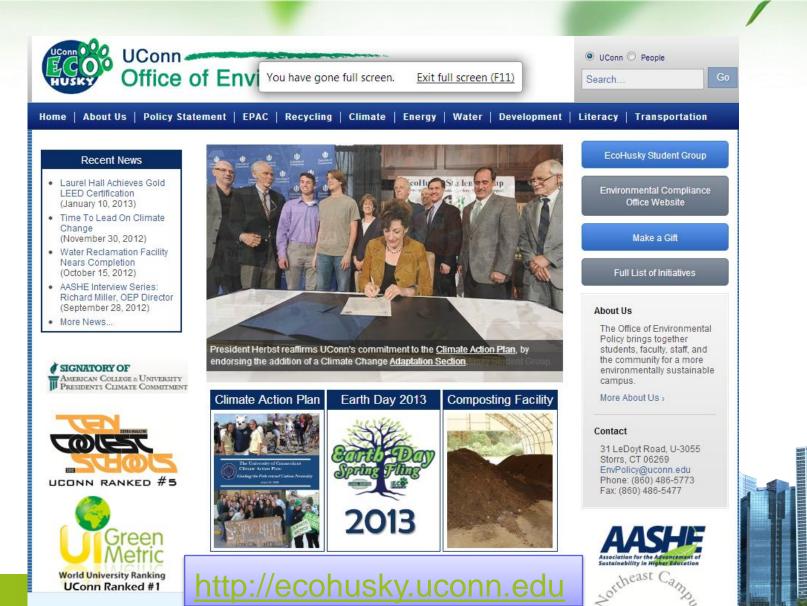








Sustainability Website University of Connecticut





Sustainability Website Chulalongkorn University



Chulalongkorn University **อุเมาลอกรณ์มหาวิทยาลัย** Pillar of the Kingdom



From the Andaman Sea to the South China Sea: Asia and Thailand's Directions" 29 January 2013



ABOUT THE UNIVERSITY

ABOUT THE UNIVERSITY

Chula History Message from the President The President and Administrative Board Pillar of The Kingdom

FUTURE STUDENTS

FUTURE STUDENTS

Admission Faculties and Department Accommodation and Facilities International Programs CU Academic testing Center

CURRENT STUDENTS

CURRENT STUDENTS

Search for curriculum Assessments Office of the Registrar Office of Student affair

RESEARCH

NEWS AND ACTIVITIES

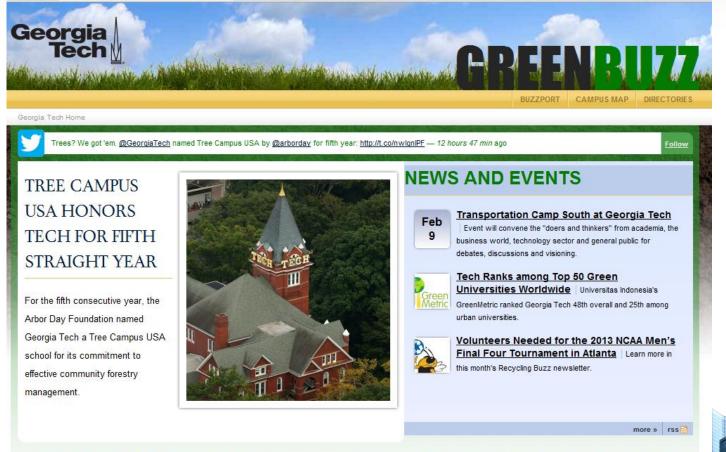
VISITORS & COMMUNITY

Serving The Public Museums and Collections Gallery Maps and Directions

http://www.chula.ac.th/cuen/index.htm



Sustainability Website Georgia Institute of Technology



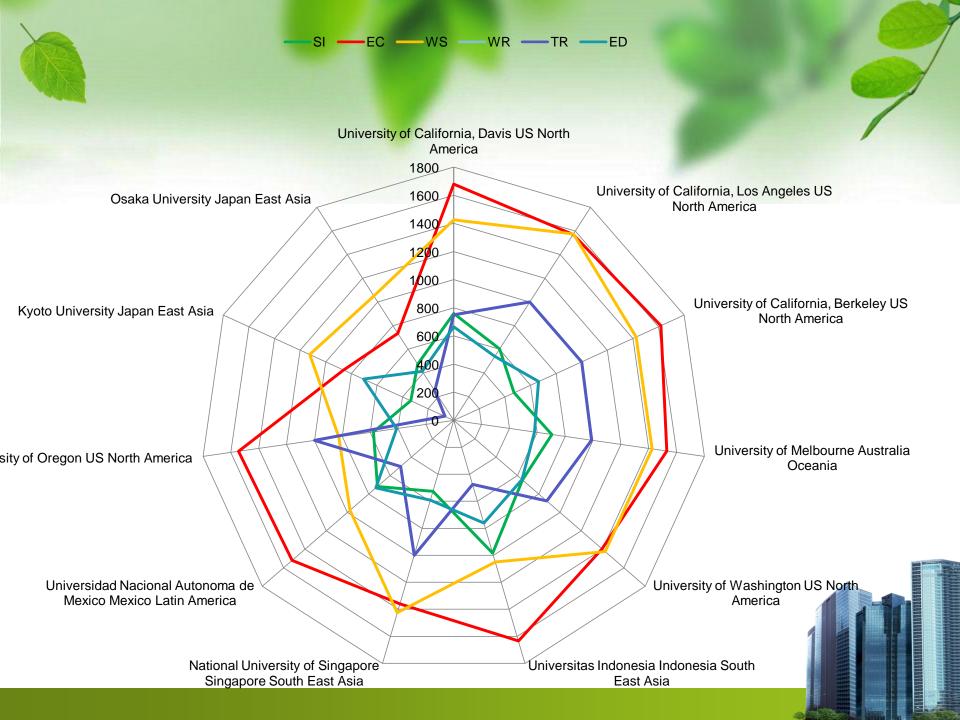


http://www.gatech.edu/green

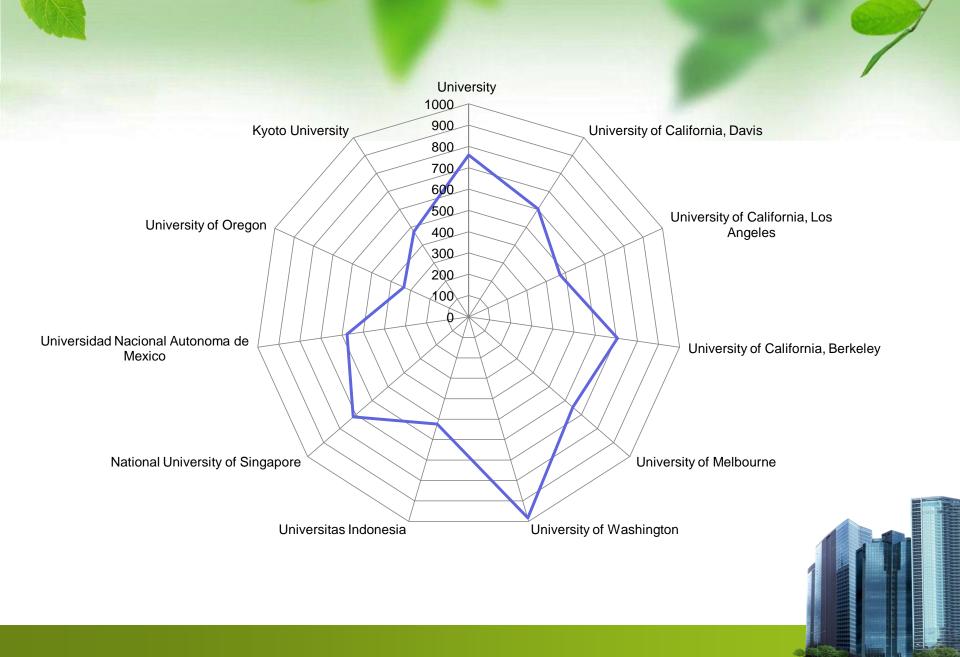


Sustainability Website Universita Ca Foscari Venezia

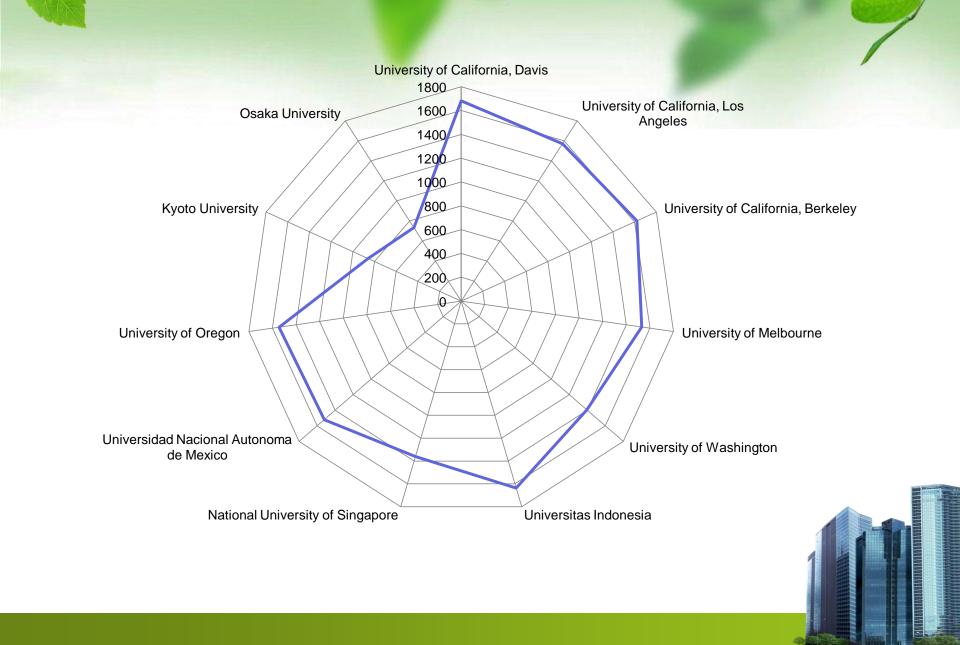




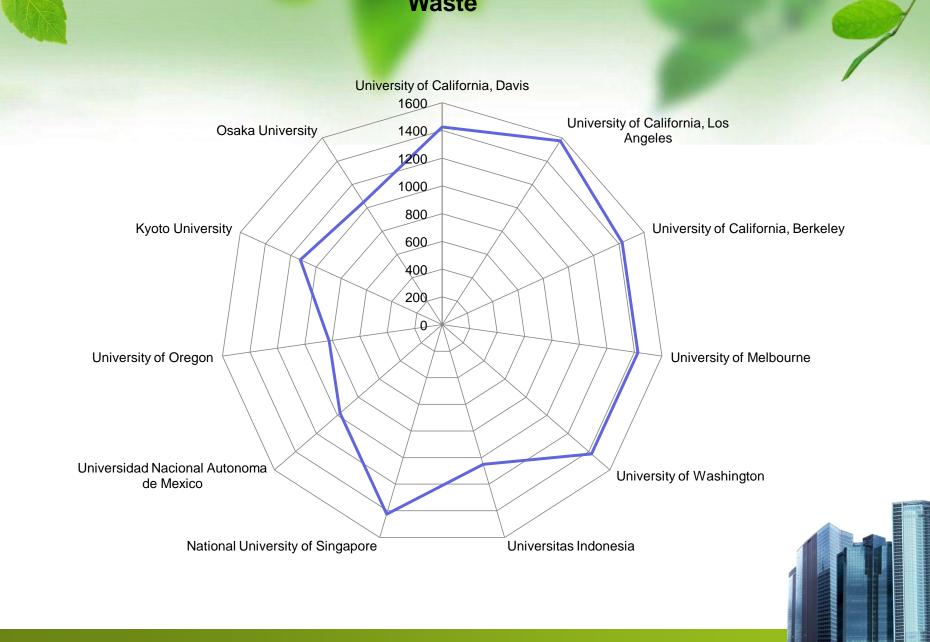
Setting And Insfrastructure

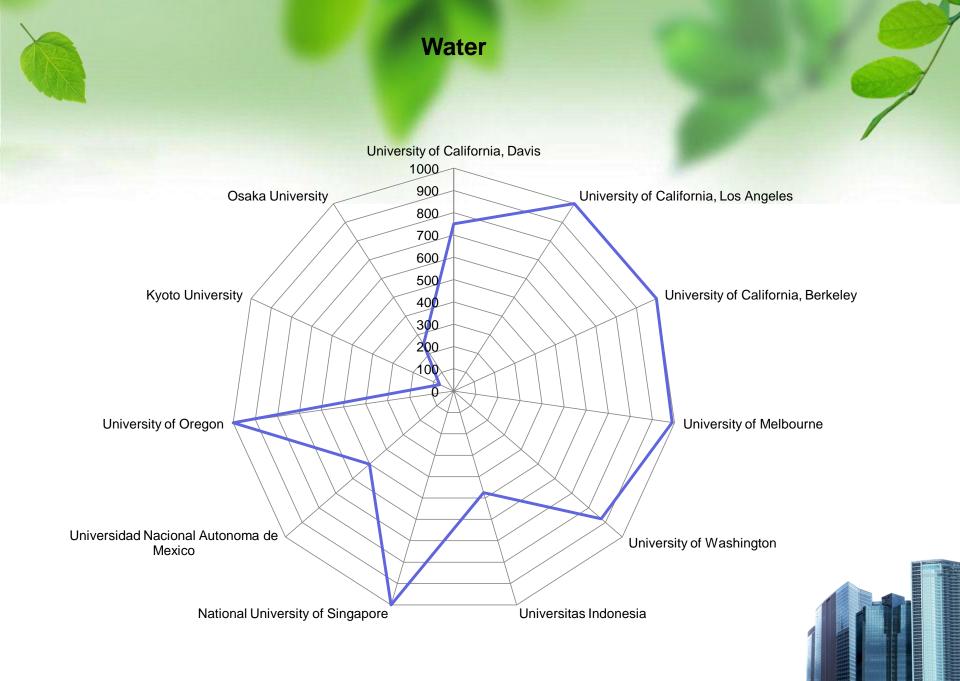


Energy And Climate Change

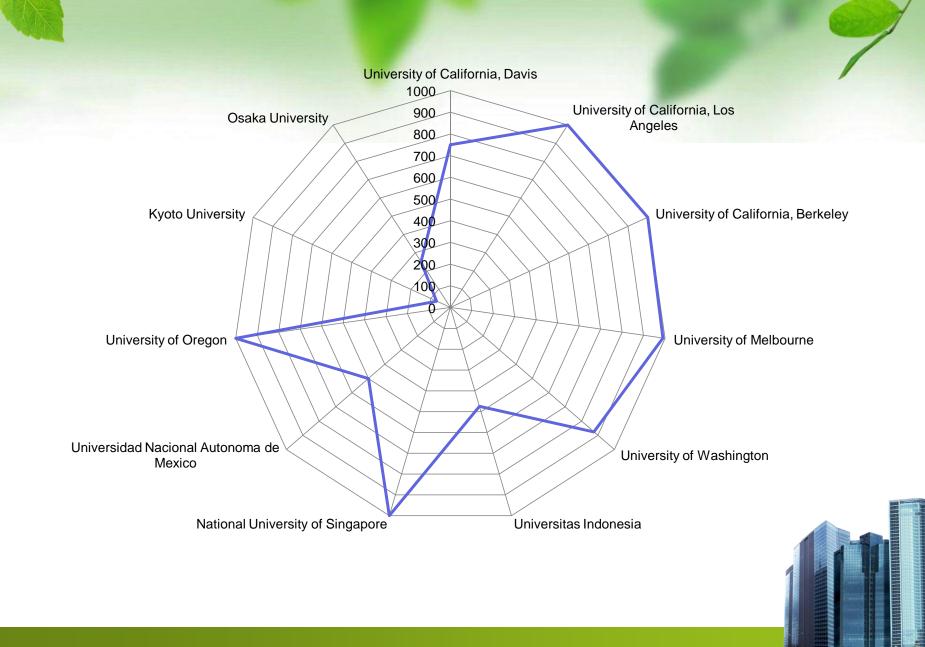


Waste

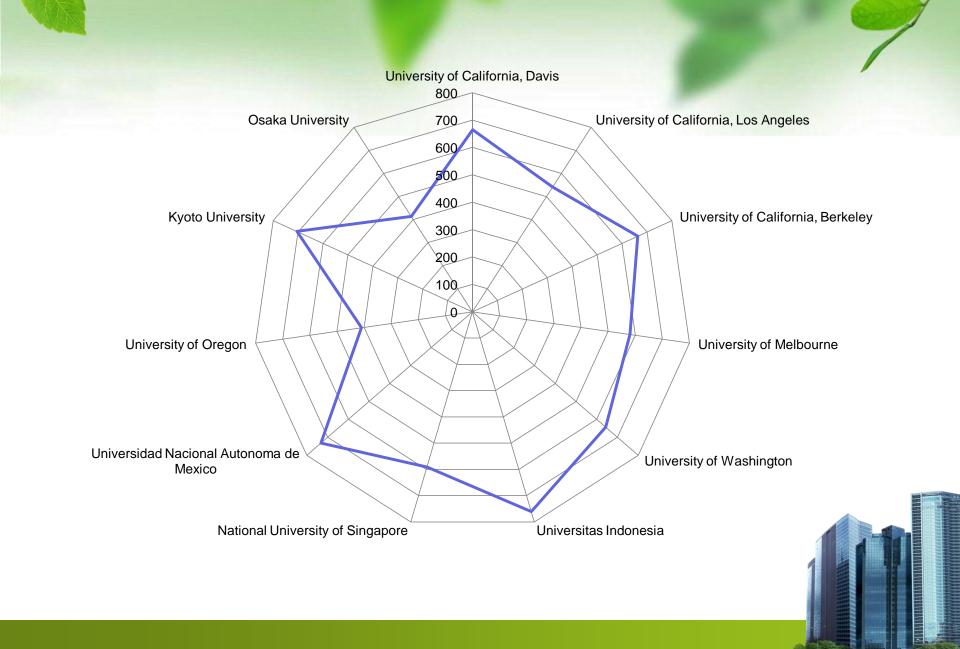




Transportation



Education





How to take part

- No fee for taking part
- Register on <u>http://greenmetric.ui.ac.id/</u>
- We will provide you with a password that gives you access to the data submission area on our website
- Further Information: greenmetric@ui.ac.id

Thank you UI GreenMetric 2015