UI GreenMetric World University Rankings Findings In Evaluating The Social Aspect of A Sustainable University

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• Universities or academic institutions can view, monitor, and measure their research strategies based on the 17 goals of the SDGs
• Universities have a critical role in achieving the SDGs by promoting them and actively taking action to address the challenges
• The effective implementation of SDGs in teaching, research, and operational activities requires a framework, and reporting activities can mitigate asymmetries between universities and stakeholders
• Higher education institutions play a crucial role in preparing students to address the interrelated challenges of the future, contributing to the achievement of the SDGs and creating a better, sustainable, and equitable future for all
University Social Activities and Community Engagement

University social activities have become increasingly important in recent years as universities have recognized their role in addressing social issues and contributing to sustainable development.

University community engagement is a form of university social activity that involves building partnerships and collaborating with communities to address social issues and promote sustainable development.

Some University Social Activities include:

- Promoting poverty reduction with supporting local communities and social inclusion
- Improving access to healthcare and promoting healthy lifestyles
- Promoting social entrepreneurship and supporting local economic development
- Promoting civic engagement and social justice
- Promoting community food security and sustainable agriculture practices
- Providing access to education and supporting lifelong learning opportunities for students and local communities
- Promoting sustainable urban development, community empowerment, and addressing urban challenges through community engagement
- Fostering collaboration and partnerships between universities, communities, and other stakeholders
What is UI GreenMetric?

A World University Rankings (WUR) on Green & Sustainable Universities, initiated by Universitas Indonesia in 2010.
Setting and Infrastructure
More space for greenery and in safeguarding environment, as well as the campus sustainable development budget

Energy and Climate Change
Increase the effort in using energy efficiency appliances and develop renewable energy

Waste
Some programs and waste treatments (i.e. recycling program, toxic waste, organic and inorganic waste, etc)

Water
Some programs and waste treatments (i.e. recycling program, toxic waste, organic and inorganic waste, etc)

Transportation
Transportation policy to limit the number of private vehicles, pedestrian

Education and Research
Courses, research, publication, website, report related to green and sustainability
UI GreenMetric and SDGs
2022 UI GreenMetric Participants

- Europe: 271 Participants
- North America: 29 Participants
- Latin America: 124 Participants
- Asia: 595 Participants
- Africa: 29 Participants
- Oceania: 2 Participants

1050 Universities
85 Countries
2022 UI GreenMetric Participants - Trend

Universities
Countries

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History of UI GreenMetric Rankings

2010
UI GreenMetric World University Rankings was introduced for 95 universities in 35 countries around the globe.

2011
UI GreenMetric added 11 new indicators within 5 categories.

2012
UI GreenMetric added education as a new category.

2015
UI GreenMetric introduced Carbon Footprint and Fact File documents.

2016
UI GreenMetric focused on Universities’ actions toward sustainability.

2017
UI GreenMetric World University Rankings Network (UIGWURN) was established.

2018
UI GreenMetric emphasized more focus on Sustainable Development Goals (SDGs) and enlargement of membership.

2019
UI GreenMetric enhanced its questionnaire and data collection methods.

2020
UI GreenMetric introduced 3 new questions on social-economic aspects that include (1) Startup for Green Economy, (2) Public Access to Open Space, (3) Community Services.

2021
UI GreenMetric introduced UI GreenMetric Service Package.

2022
UI GreenMetric launched UI GreenCityMetric, a sustainability ranking for cities and regencies.
Environmental Sustainability Concept adopted in the UI GreenMetric Questionnaire

- Profit
- Cost saving

- Natural resource use
- Environmental management
- Pollution prevention

- Education
- Community
- Social involvement

Environment

Economic

Social
Community Service Outreach

• Started from 2020, UI GreenMetric have updated the questionnaire and guidelines to assess sustainable policy, programs and impacts of universities to their communities.

• UI GreenMetric World University Rankings has introduced new questions on social aspects that include community services outreach, impactful university programs on climate change, number of cultural activities on campus, and number of sustainability community services project organised and involving students since 2020.

• In order to have a better profiling of universities in social and economic impacts, information on network and partnership, public access to open space, community services, and startup for the green economy are required.

• UI GreenMetric tried to profile university that have programs as community services to improve in many sectors related sustainability. The programs can be held by students, lecturers, staff, or universities. The details asked to participants are Community Name, Number of Participants. Duration and Area (SI, EC, WS, WR, TR, ED).

Summary of UI GreenMetric participant’s community services activities

• Total participating university: 1050
• Total university conducting community services: 427 (40.67%)
• Total country in which university conducting community services: 60 (71%)
• Total community services conducted: 7055
• Average community services participant: 1759.7
• Total community services participant: 12,414,762
Most community services were conducted in Asia (84.08%), followed by Europe (8.13%), Latin America (5.43%), Africa (1.62%), and North America (0.73%).

The highest percentage of community services outreach was in the Education & Research category, which accounted for 68.96% of all outreach activities, followed by Setting & Infrastructure category (9.82%), Waste category (8.08%), Energy & Climate Change category (7.50%), Water category (3.97%), and Transportation category (1.67%).
Impactful University Programs on Climate Change

The figure portrays the impactful university programs on climate change according to the responses of participating universities in UI GreenMetric for the years 2021 and 2022. The data is presented in five categories, each representing a different level of impact.

- Category [1], “None,” had the lowest number of responses in both years, with 181 in 2021 and 159 in 2022.
- Category [2], “Program in preparation,” had more responses compared to the previous category, with 143 in 2021 and 144 in 2022.
- Category [3], “Provide training and educational materials for surrounding communities,” had the highest number of responses for both years, with 231 in 2021 and 220 in 2022.
- Category [4], “Provide training and educational materials for surrounding communities and at national level,” had 229 responses in 2021 and 269 in 2022.
- Category [5], “Provide training and educational materials for surrounding communities, at national level, and at regional and international level,” had 172 responses in 2021 and 258 in 2022.
Number of Cultural Activities on Campus

The figure shows the number of cultural activities that took place on university campuses from 2021 to 2022. The data is categorized into five groups based on the frequency of the events.

- **The first group, “None.”** indicates that some universities did not have any cultural activities on campus during the given years. In 2021, 96 universities fell into this category, while in 2022, that number decreased to 53.
- **The second group, “1 event per year,”** indicates that 70 universities had one cultural event on campus in 2021, while in 2022, the number increased slightly to 76 universities.
- **The third group, “2 events per year,”** shows that 57 universities organized two cultural events on campus in 2021. The number remained relatively stable in 2022, with 60 universities in this category.
- **The fourth group, “3 events per year,”** shows that 85 universities organized three cultural events on campus in 2021, while in 2022, that number increased to 97.
- **The fifth group, “more than 3 events per year,”** shows that a significant number of universities, 648 in 2021 and 764 in 2022, organized more than three cultural events on campus.
The figure pertains to the number of sustainability community service projects organized and/or involving students in two consecutive years, 2021 and 2022.

- In 2021, 148 universities did not organize any sustainability community service projects, while 494 universities organized more than three projects. The number of universities that organized one, two, or three projects was 110, 91, and 113, respectively.
- In 2022, the number of universities that did not organize any projects decreased to 118, while the number of universities that organized more than three projects increased to 632. The number of universities that organized one, two, or three projects decreased slightly to 109, 82, and 109, respectively.
- The majority of universities that organize such projects (over 60%) have organized more than three projects. This indicates a strong commitment by universities to promote sustainability and involve students in community service initiatives.
- It is important to ensure that the quality of the projects is not compromised in favor of quantity, as this can have a negative impact on the overall effectiveness of the projects.
Implications of the Findings

• Universities are recognizing the importance of community service activities and are taking active steps to engage with their local communities. This is a positive sign and suggests that universities are not only focused on academic excellence but are also concerned about the well-being of the communities they serve.

• Community service activities are taking place across a wide range of countries is encouraging. It suggests that community service programs are not limited to a particular region, and that universities around the world are taking similar steps to engage with their local communities.

• The large number of community service participants across all universities indicates that community service programs are having a significant impact on the communities they serve. This suggests that these programs are contributing meaningfully to the development of local communities and are helping to address important social issues.

• The data presented on impactful university programs on climate change shows that a significant number of universities have implemented no program related to climate change. This highlights the need for more universities to take an active role in addressing climate change issues.
Implications of the Findings

• The data on the **number of cultural activities on campus** suggests that there has been an **increase in the number of cultural events from 2021 to 2022, particularly in the category of more than three events per year**. This trend is indicative of the importance of cultural engagement and promotion of cultural diversity among universities.

• The data also shows that the **number of sustainability community service projects organized and/or involving students** has **increased significantly from 2021 to 2022, with more universities engaging in multiple projects**. This trend is encouraging, as it suggests a growing awareness and commitment to sustainability among universities, and an increasing willingness to involve students in sustainability initiatives.
Challenges in Evaluating University Social Activities Impact

• Evaluating the social impact of universities on their communities is a challenging task that requires careful consideration of a range of factors.
• One of the primary challenges is the diversity of universities themselves. Universities come in all shapes and sizes, with varying degrees of resources and infrastructure.
• Measuring social impact requires the identification of relevant metrics and the standardization of data collection and analysis.
• Universities are major stakeholders in their local communities and have a responsibility to contribute positively to society. They have the potential to drive social change and address some of the most pressing challenges facing the world today, such as climate change and social inequality.

• UI GreenMetric recognizes the challenges of evaluating social impact and is committed to continually improving its ranking system.
• The organization understands that the ranking system must be both useful and fair to all universities, regardless of their size or location.
• To this end, UI GreenMetric is continually improving to establish clear guidelines and metrics for evaluating social impact, and works closely with universities to ensure that their data is accurately and fairly represented in the rankings.
• Future challenges to civilization include not only environment and economic but also social challenges
• UI GreenMetric World University Rankings has introduced new questions on social aspects that include community services outreach, impactful university programs on climate change, number of cultural activities on campus, and number of sustainability community services project organised and involving students since 2020
• The data presented in community services outreach shows universities are recognizing the importance of community service activities and are taking active steps to engage with their local communities. The high percentage of activities in the Education & Research category suggests universities recognize the importance of educating and engaging their students and faculty in sustainability efforts
• The information provided regarding influential university programs related to climate change suggests that universities are becoming more aware of the significance of tackling climate change challenges and are making tangible efforts to combat them
• The information provided on the number of cultural activities held on campus indicates a noticeable trend among universities, acknowledging the importance of promoting cultural diversity and encouraging cultural engagement within their community.
• Universities are increasingly demonstrating a dedication to promoting sustainability and involving students in community service initiatives, as evidenced by the increasing number of sustainability community service projects organized and/or involving students
• UI GreenMetric are fully aware of the fact that universities differ regarding their levels of awareness and commitment to sustainability, their budgets, the amount of green cover on their campus, and many other dimensions. UI GreenMetric is committed to continually improving the ranking so that it will be both useful and fair to all
References

- About UI GreenMetric. https://greenmetric.ui.ac.id/about/welcome
- Fauziah, N. N. (2021). Developing cash waqf model as an alternative financing for social enterprises to support decent work and economic growth in Indonesia. Turkish Journal of Islamic Economics, 8(Special Issue), 195-217
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