



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

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Sustainable Development Goals and University



- 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:



1 NO POVERTY
Promoting poverty reduction with supporting local communities and social inclusion



3 GOOD HEALTH AND WELL-BEING
Improving access to healthcare and promoting healthy lifestyles



8 DECENT WORK AND ECONOMIC GROWTH
Promoting social entrepreneurship and supporting local economic development



16 PEACE, JUSTICE AND STRONG INSTITUTIONS
Promoting civic engagement and social justice



2 ZERO HUNGER
Promoting community food security and sustainable agriculture practices



4 QUALITY EDUCATION
Providing access to education and supporting lifelong learning opportunities for students and local communities



11 SUSTAINABLE CITIES AND COMMUNITIES
Promoting sustainable urban development, community empowerment, and addressing urban challenges through community engagement



17 PARTNERSHIPS FOR THE GOALS
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.



Methodology

15%



Setting and Infrastructure

More space for greenery and in safeguarding environment, as well as the campus sustainable development budget

21%



Energy and Climate Change

Increase the effort in using energy efficiency appliances and develop renewable energy

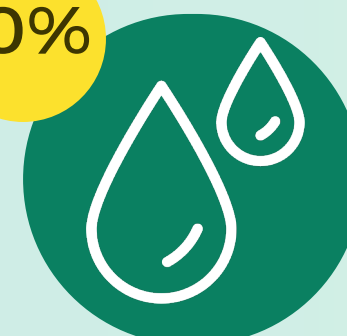
18%



Waste

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

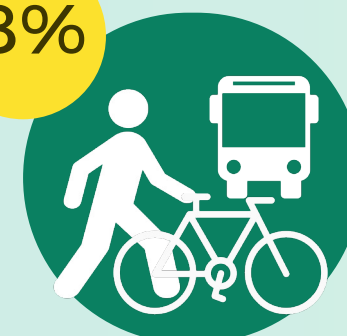
10%



Water

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

18%



Transportation

Transportation policy to limit the number of private vehicles, pedestrian

18%



Education and Research

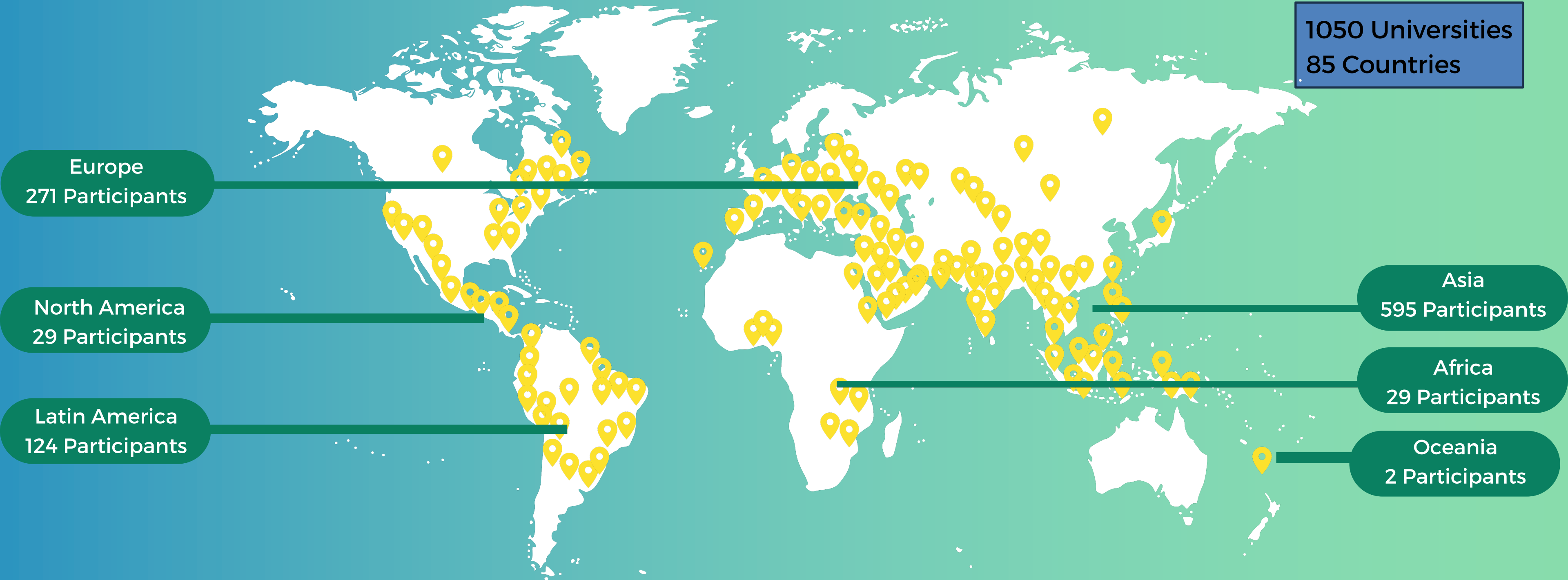
Courses, research, publication, website, report related to green and sustainability

UI GreenMetric and SDGs

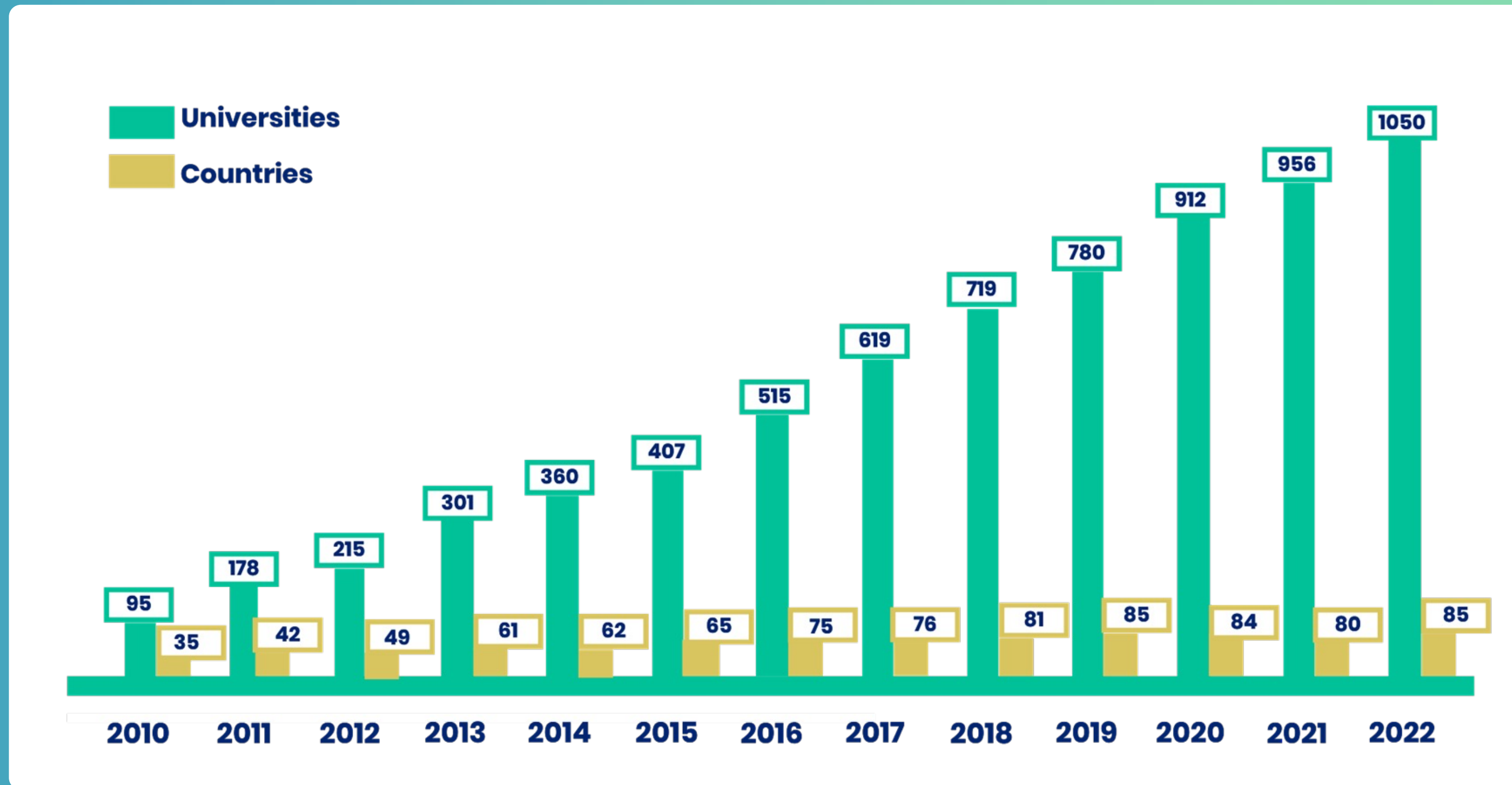


2022 UI GreenMetric Participants

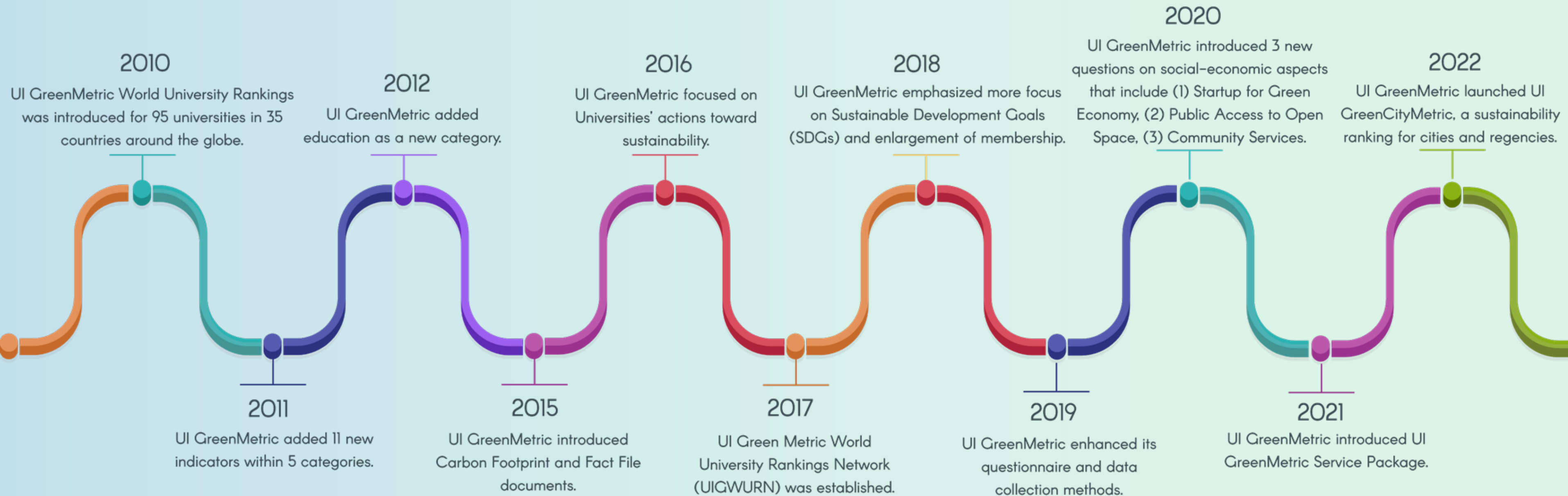
1050 Universities
85 Countries



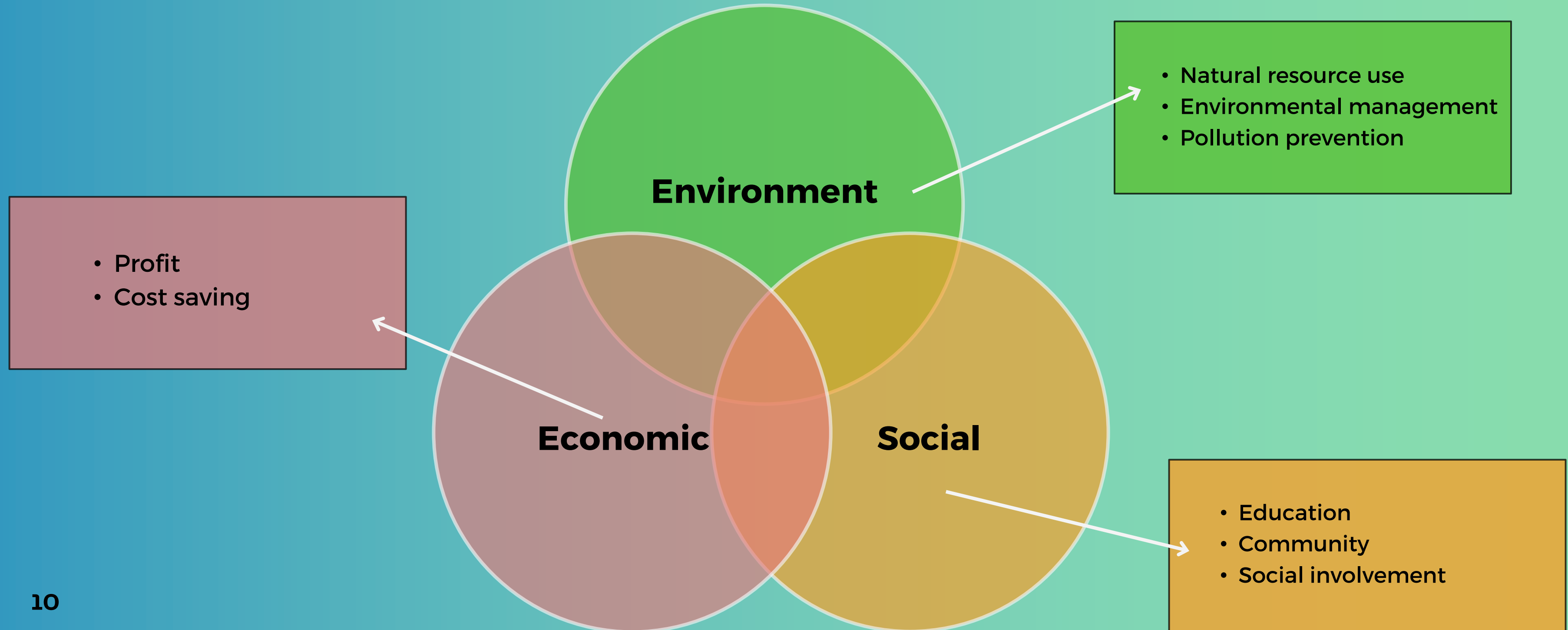
2022 UI GreenMetric Participants - Trend



History of UI GreenMetric Rankings



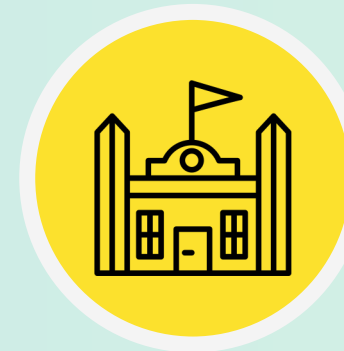
Environmental Sustainability Concept adopted in the UI GreenMetric Questionnaire



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%)**



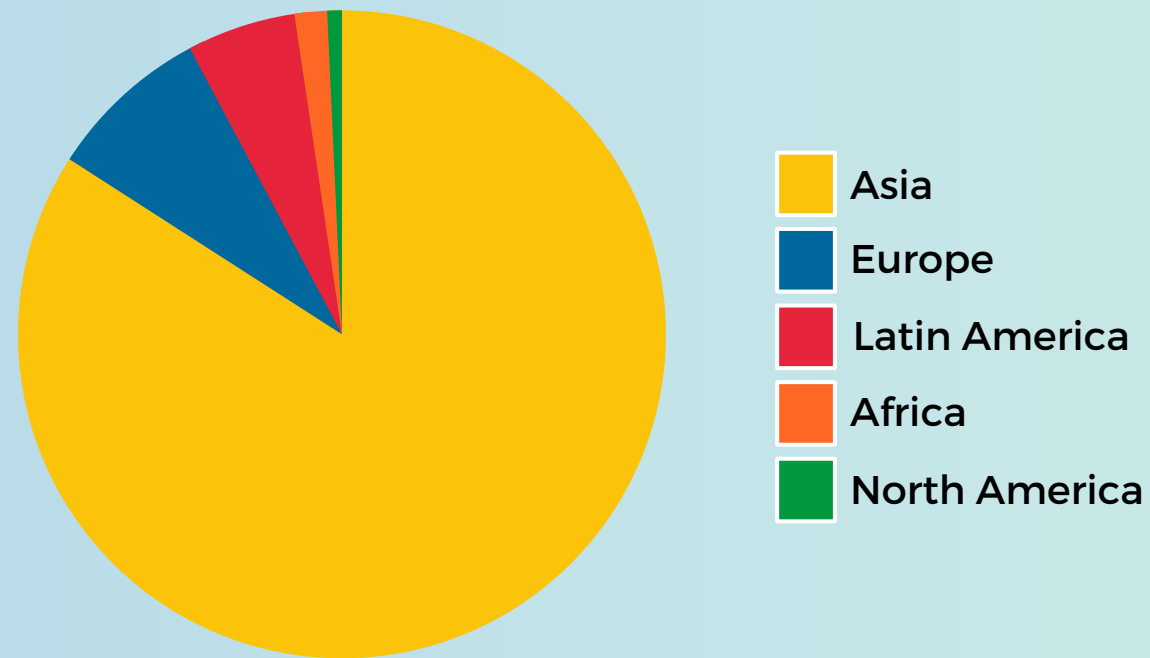
- **Total country in which university conducting community services: 60 (71%)**



- **Total community services conducted: 7055**
- **Average community services participant: 1759.7**
- **Total community services participant: 12,414,762**

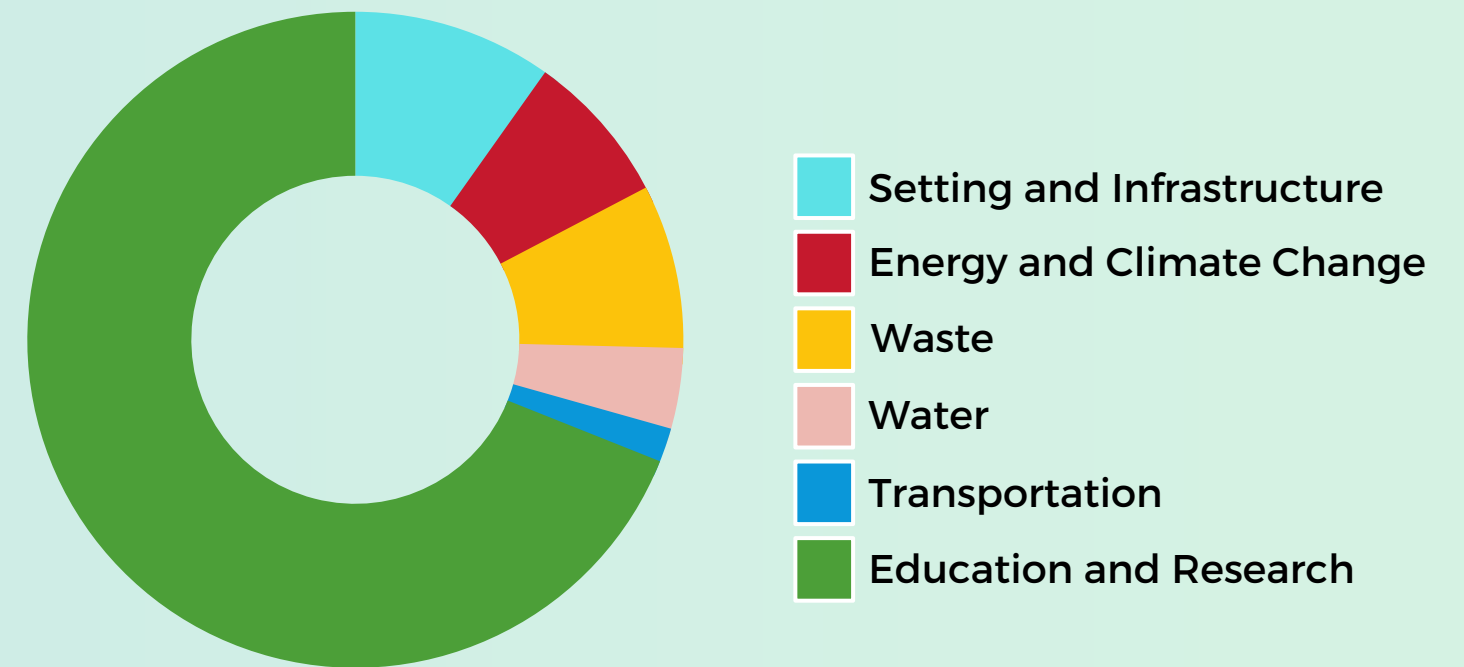
Community Service Outreach

Community Service Distribution by Region



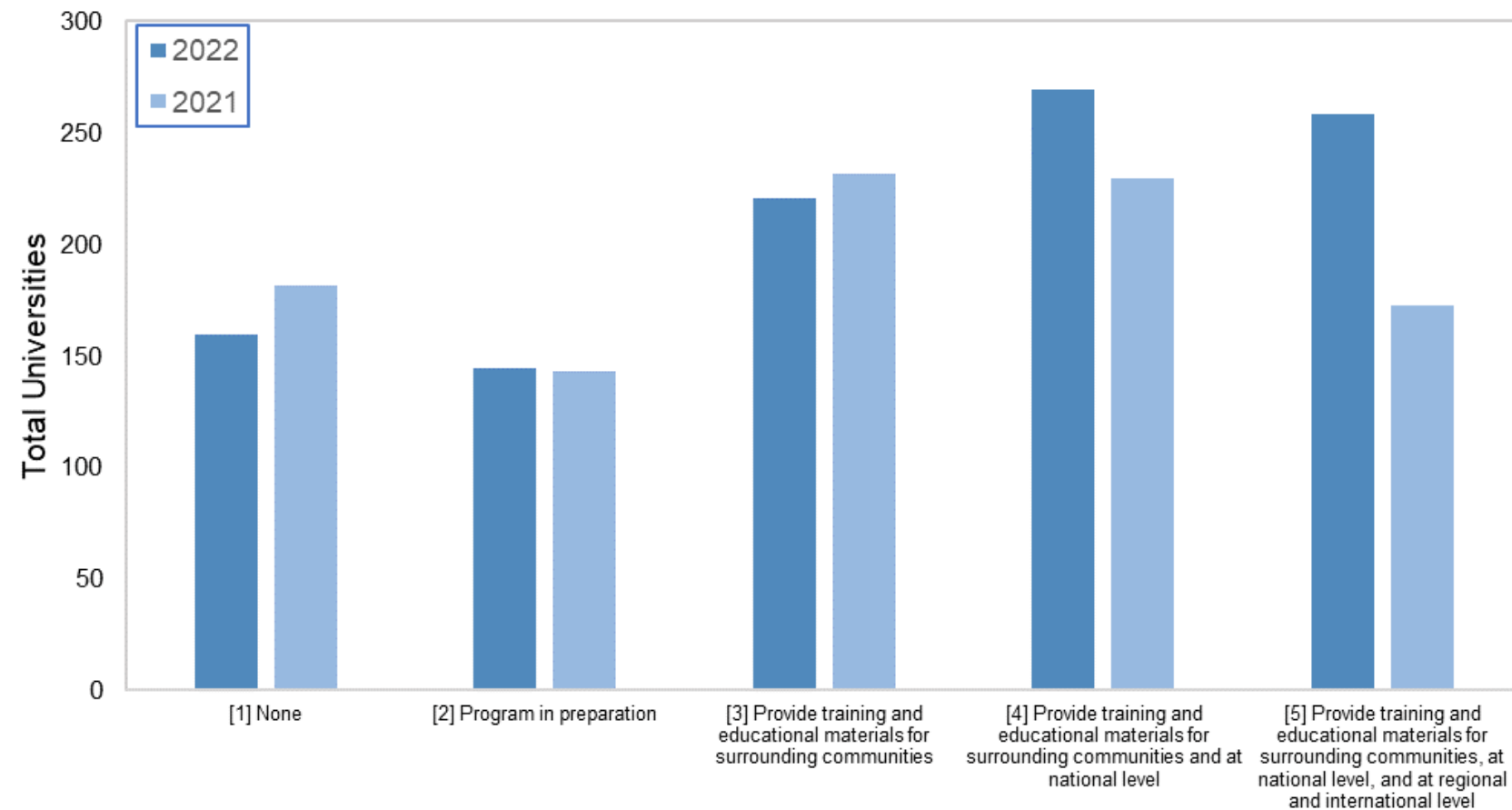
Most community services were conducted in Asia (84.08%), followed by Europe (8.13%), Latin America (5.43%), Africa (1.62%), and North America (0.73%).

Community Service Distribution by UI GreenMetric Category



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



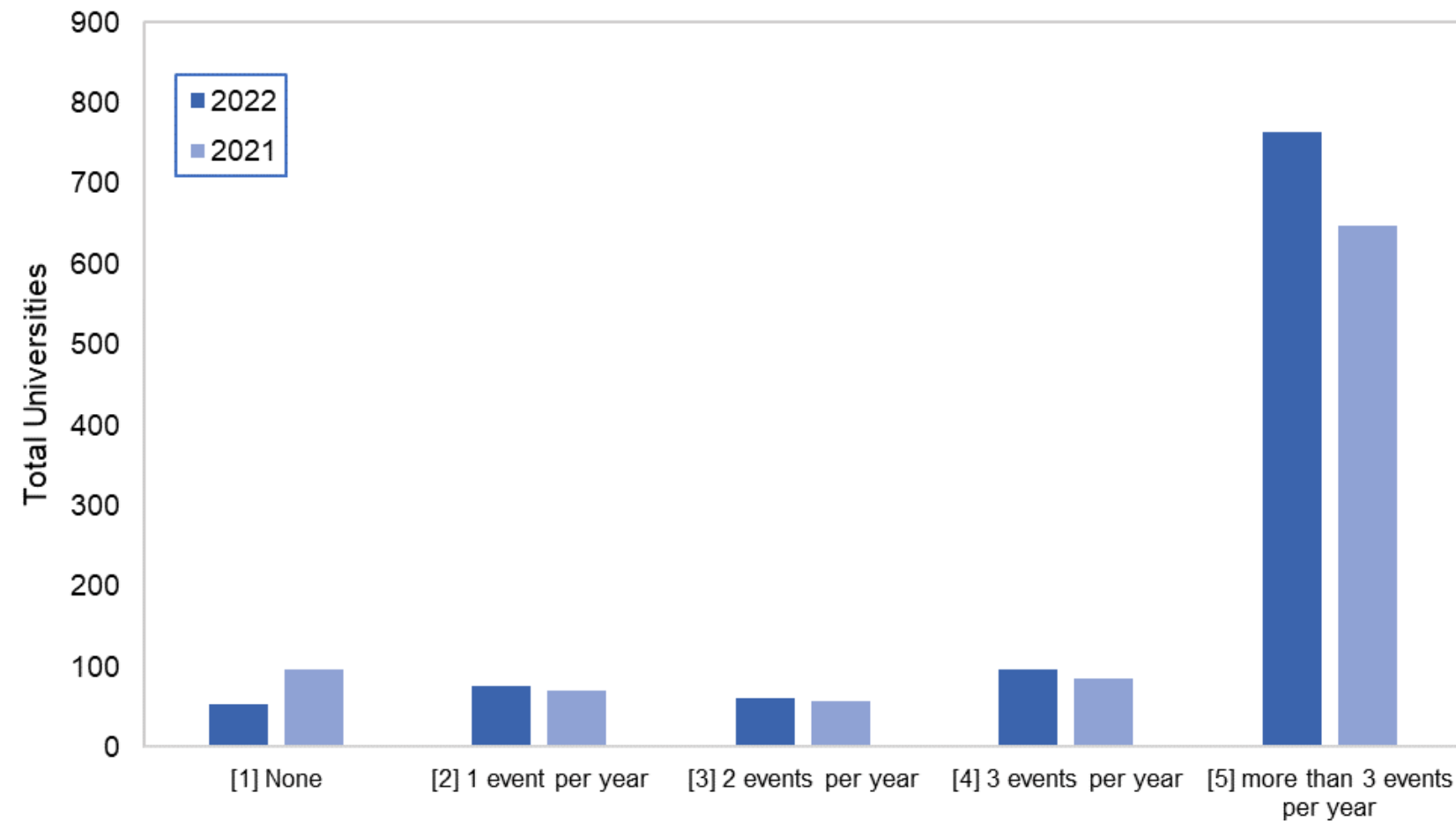
The figure portrays the impactful university programs on climate change according to the responses of participating universities in UI GreenMetric for the years 2021 and 2022. The data is presented in five categories, each representing a different level of impact.

- 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**





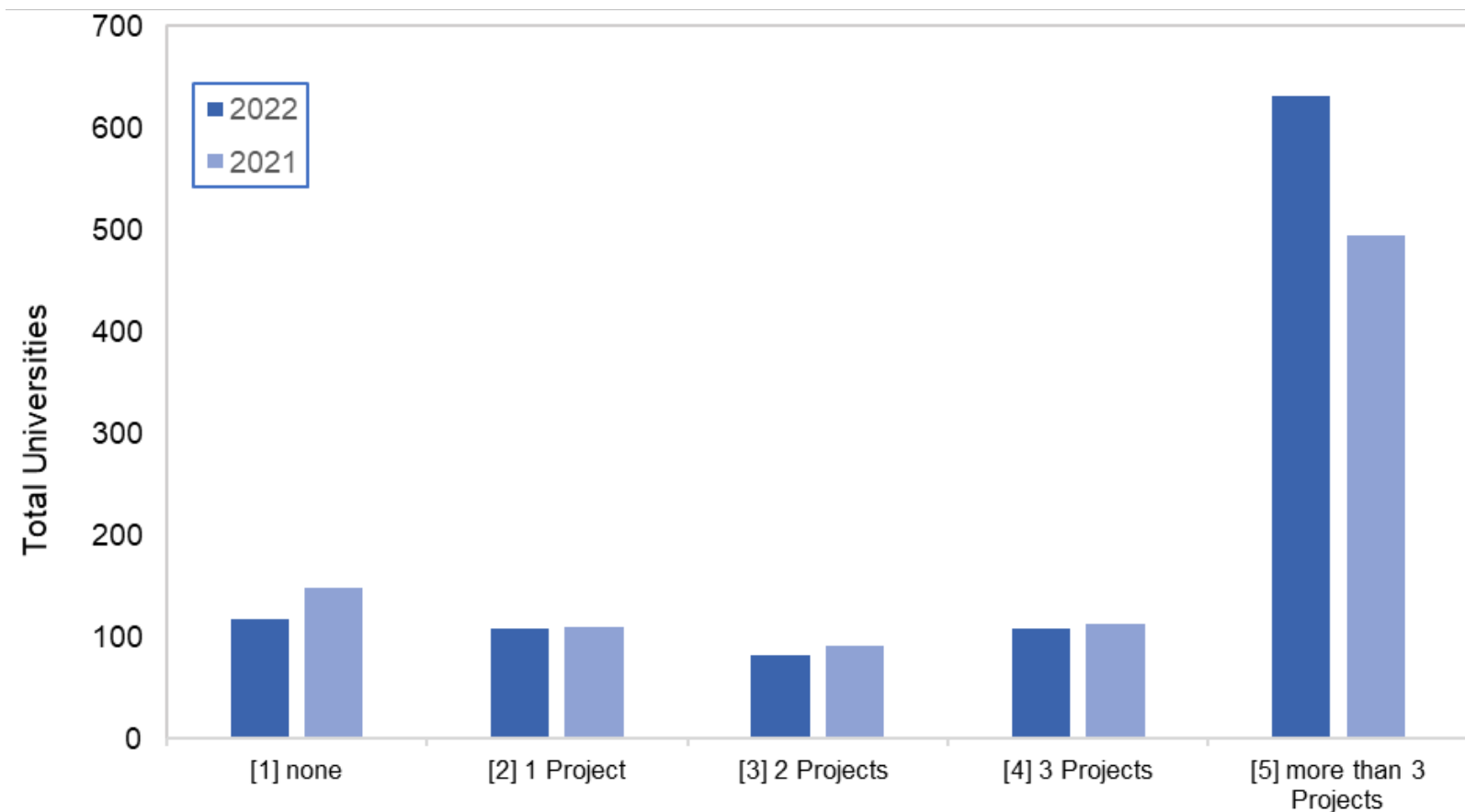
Number of Cultural Activities on Campus



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.

Number of Sustainability Community Services Project Organised and Involving Students



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

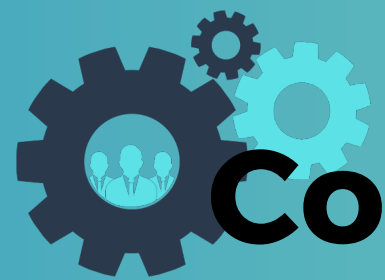
- The data on the **number of cultural activities on campus** suggests that there has been an **increase in the number of cultural events from 2021 to 2022, particularly in the category of more than three events per year**. This trend is indicative of the importance of cultural engagement and promotion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





Conclusion

- **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 significance 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

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THANK YOU

