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Del inglés al español:

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Spanish

# UI MÉTRICA VERDE DE UNIVERSIDADES GUIA DE TRABAJO

INSTITUYENDO UI GREENMETRIC: EL CAMINO HACIA ADELANTE



¿Qué es la métrica mundial de Universidades UI GreenMetric?

Universitas Indonesia (UI) inició las clasificaciones universitarias mundiales en 2010, más tarde conocidas como UI GreenMetric World University Rankings – UI Métrica Verde Mundial de Clasificación de Universidades, para medir los esfuerzos de sostenibilidad de los campus. La intención era crear una encuesta en línea para retratar las políticas y programas de sostenibilidad para universidades de todo el mundo.

Basamos las clasificaciones en términos generales en el marco conceptual de Medio Ambiente, Economía y Equidad. Los indicadores y categorías de clasificación pretenden ser relevantes para todos. Hemos diseñado los indicadores y las ponderaciones para que estén lo más libres de sesgos posible. El trabajo de recopilar y enviar datos es relativamente sencillo y requiere un tiempo razonable del personal. En la versión 2010 de UI GreenMetric participaron noventa y cinco universidades de 35 países: 18 de América, 35 de Europa, 40 de Asia y 2 de Australia. En 2023 participaron 1183 universidades de 84 países de todo el mundo. Esto demuestra que UI GreenMetric ha sido reconocida como el primer ranking universitario mundial en sostenibilidad.

Nuestro tema este año es "Instituir UI GreenMetric: el camino a seguir". Nos gustaría centrarnos en los esfuerzos de las universidades para continuar con sus programas y políticas de sostenibilidad para convertirse en universidades sostenibles basadas en UI GreenMetric y los ODS.

### **1. ¿Cuáles son los objetivos?**

Nuestra clasificación tiene como objetivo:

- Contribuir a los discursos académicos sobre la sostenibilidad en la educación y la ecologización de los campus;
- Promover el cambio social liderado por las universidades sobre los objetivos de sostenibilidad;
- Ser una herramienta de autoevaluación sobre la sostenibilidad de los campus para las instituciones de educación superior (IES) de todo el mundo;
- Informar a los gobiernos, agencias ambientales internacionales y locales y a la sociedad sobre los programas de sustentabilidad en el campus.

### **2. ¿Quién puede participar?**

Todas las universidades del mundo con un fuerte compromiso con las cuestiones de sostenibilidad pueden participar en la clasificación anual de universidades mundiales UI GreenMetric.

### **3. ¿Cuáles son los beneficios?**

Las universidades que participan en las clasificaciones de UI GreenMetric enviando sus datos pueden esperar disfrutar de varios beneficios, como la internacionalización y el reconocimiento, una mayor conciencia sobre las cuestiones de sostenibilidad, el cambio y la acción social y la creación de redes. La inscripción es gratuita.

**a. Internacionalización y reconocimiento**

La participación en UI GreenMetric puede ayudar a los esfuerzos de la universidad en materia de internacionalización y reconocimiento al colocar sus esfuerzos de sostenibilidad en el mapa global. La participación en UI GreenMetric puede resultar en un aumento de visitas al sitio web de su universidad, más menciones de la institución en relación con los temas de sostenibilidad en las páginas web, más correspondencia con instituciones interesadas en colaborar con su universidad y reconocimiento de sus exalumnos y del público como una universidad con una fuerte preocupación por la sostenibilidad.

**b. Aumentar la conciencia sobre las cuestiones de sostenibilidad**

La participación puede ayudar a aumentar la conciencia en la universidad y fuera de ella sobre la importancia de las cuestiones de sostenibilidad. El mundo enfrenta desafíos globales sin precedentes, como las tendencias demográficas, el calentamiento global, la sobreexplotación de los recursos naturales, la escasez de energía, agua y alimentos dependientes del petróleo, y otras cuestiones de sostenibilidad. Somos conscientes de que la educación superior tiene un papel crucial que desempeñar para abordar estos desafíos. UI GreenMetric aprovecha el papel crucial que las IES pueden desempeñar en la creación de conciencia al realizar una evaluación y comparar esfuerzos en educación para el desarrollo sostenible, investigación sobre sostenibilidad, ecologización de campus y extensión social.

**c. Cambio social y acción.**

UI GreenMetric es más que crear conciencia; se trata de fomentar cambios concretos. Es crucial que la comprensión avance hacia la acción para abordar los desafíos globales emergentes. Sólo trabajando juntos podremos abordar los desafíos globales en materia de sostenibilidad.

**d. Redes**

Todos los participantes de UI GreenMetric son automáticamente miembros de UI GreenMetric World University Rankings Network (UIGWURN), que se estableció en 2017. En esta red, los participantes pueden compartir sus mejores prácticas en programas de sostenibilidad, así como establecer contactos con otros participantes en todo el mundo asistiendo a la UI anual. Taller internacional GreenMetric y talleres regionales/nacionales organizados por universidades anfitrionas aprobadas. Los participantes también pueden organizar talleres técnicos sobre UI GreenMetric en sus respectivas universidades.

Como plataforma para convertir las cuestiones de sostenibilidad en acción, la red está gestionada por UI GreenMetric como secretaría. Los programas y direcciones son propuestos y decididos por el comité directivo compuesto por la secretaría de UI GreenMetric y los coordinadores regionales y nacionales, como se muestra en la siguiente tabla:

Tabla 1 Coordinadores Nacionales de UI GreenMetric Red Mundial de Clasificación de Universidades

No.	Coordinador Nacional
1	El Bosque University – Colombia
2	National University of Colombia – Colombia
3	University of Sao Paulo (USP) – Brazil
4	Universidad Tecnica Federico Santa Maria – Chile

- 5 Escuela Superior Politecnica De Chimborazo (ESPOCH) – Ecuador
- 6 University of Sonora – Mexico
- 7 University of Sousse – Tunisia
- 8 Zonguldak Bülent Ecevit University – Turkey
- 9 Istanbul University – Turkey
- 10 Jordan University of Science and Technology (JUST) – Jordan
- 11 Kazakh National Agrarian University – Kazakhstan
- 12 Mahidol University – Thailand
- 13 National Pingtung University of Science and Technology (NPUST) – Chinese Taipei
- 14 Pakistan Higher Education Commission – Pakistan
- 15 Weifang Institute of Technology – China
- 16 Universitas Diponegoro – Indonesia
- 17 University of Zanjan – Iran
- 18 Tarbiat Modares University – Iran
- 19 Holy Spirit University of Kaslik (USEK) – Lebanon
- 20 University of Sharjah – United Arab Emirates
- 21 Universiti Putra Malaysia – Malaysia
- 22 OMNES Education – France
- 23 Pantheon-Assas University Paris II – France
- 24 RUDN University – Russia
- 25 Riga Technical University – Latvia
- 26 University College Cork – Ireland
- 27 University of L’Aquila – Italy
- 28 University of Minho – Portugal
- 29 University of Navarra – Spain
- 30 University of Oviedo – Spain
- 31 Adam Mickiewicz University – Poland
- 32 University of Szeged – Hungary
- 33 University of Pecs – Hungary
- 34 Bukhara State University – Uzbekistan
- 35 Al-Azhar University – Egypt
- 36 October 6 University – Egypt
- 37 Batangas State University - Philippines
- 38 Al-Muthanna University - Iraq
- 39 Lagos State University - Nigeria

Actualmente, la red está compuesta por 1183 universidades participantes ubicadas en la dinámica y diversa Asia, Europa, África, Australia, América y Oceanía, con más de 2 millones de profesores, 17 millones de estudiantes y 68 mil millones de dólares en fondos totales de investigación para medio ambiente y sostenibilidad. El número seguirá aumentando a

medida que los coordinadores nacionales alienten activamente a otras universidades de sus países a unirse a UI GreenMetric.

#### **4. ¿Cómo pueden participar las universidades?**

Participar en la Clasificación es sencillo. El director de sustentabilidad u otras personas responsables pueden visitar [www.greenmetric.ui.ac.id](http://www.greenmetric.ui.ac.id) para conocer la clasificación y si están interesados pueden enviar un correo electrónico a la secretaría de UI GreenMetric ([greenmetric@ui.ac.id](mailto:greenmetric@ui.ac.id)) para recibir una carta de invitación y acceso al sistema. Si ya has participado en las Clasificaciones, se te enviará una invitación para participar. Si decides no participar por motivos particulares, les agradeceríamos que lo informes a la secretaría de la Clasificación (Ranking). Por supuesto, podrás volver a unirse a la encuesta en el futuro. Siempre es útil que tu universidad designe a un responsable como persona de contacto. Les invitamos a ponerse en contacto con la Secretaría de la UIGM para cualquier consulta relacionada con la encuesta.

#### **5. ¿Cómo se desarrolló la Clasificación mundial de universidades UI GreenMetric?**

La decisión de establecer UI GreenMetric estuvo influenciada por varios factores:

##### **a. Idealismo**

Los desafíos futuros para la civilización incluyen la presión demográfica, el cambio climático, la seguridad energética, la degradación ambiental, la seguridad hídrica y alimentaria y el desarrollo sostenible. A pesar de muchos estudios científicos y debates públicos, los gobiernos de todo el mundo aún tienen que comprometerse con una agenda sostenible. Personas preocupadas en Universitas Indonesia han llegado a la idea de que las universidades tienen el privilegio de ayudar a desarrollar un consenso sobre áreas clave de acción. Incluyen conceptos como el Triple Resultado, las 3 E (equidad, economía, medio ambiente), construcción sustentable y educación para el desarrollo sostenible (ESD).

UI GreenMetric World University Rankings sirve como una herramienta para que las universidades aborden los desafíos de sostenibilidad que enfrenta nuestro mundo. Muchas universidades utilizan el cuestionario UI GreenMetric como herramienta para medir, monitorear y evaluar su plan estratégico de sostenibilidad. Las universidades pueden trabajar juntas para reducir los impactos ambientales negativos. UI GreenMetric es una institución sin fines de lucro; por lo tanto, muchas universidades pueden participar en las Clasificaciones de forma gratuita.

##### **b. Modelo UI GreenMetric World University Rankings**

Aunque UI GreenMetric no se basó en ningún sistema de clasificación existente, se desarrolló teniendo en cuenta varios sistemas de evaluación de sostenibilidad y clasificaciones de universidades académicas existentes. Los sistemas de sostenibilidad a los que se hizo referencia durante la fase de diseño de UI GreenMetric incluyeron los premios Holcim Sustainability Awards, GREENSHIP (el sistema de calificación desarrollado recientemente por el Green Building Council de Indonesia que se basó en el sistema de Liderazgo en Diseño Energético y Ambiental (LEED) utilizado en los EE. UU. y otros lugares),

el Sistema de Calificación, Seguimiento, Evaluación y Sostenibilidad (STARS) y el Informe de Sostenibilidad Universitaria (también conocido como Informe Verde).

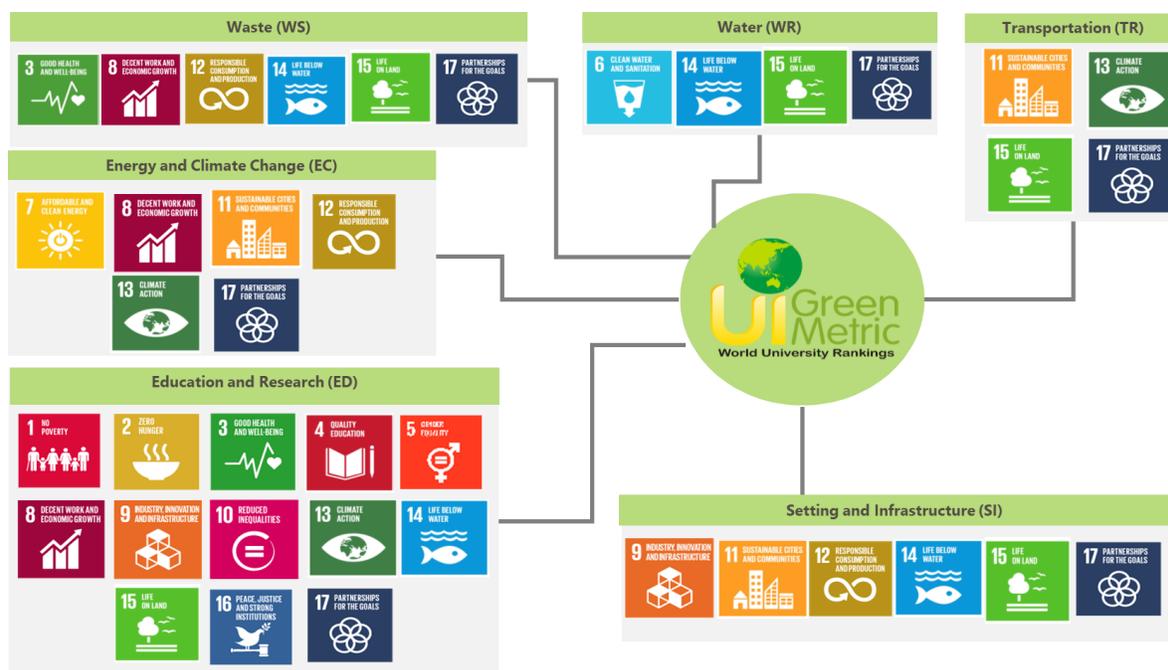


Figura 1. UI GreenMetric y ODS

El desafío de ONU Medio Ambiente en la Agenda 2030 es desarrollar y mejorar enfoques integrados para el desarrollo sostenible, enfoques que demostrarán cómo mejorar la salud del medio ambiente traerá beneficios sociales y económicos. Con el objetivo de reducir los riesgos ambientales y aumentar la resiliencia de las sociedades y el medio ambiente, la acción de ONU Medio Ambiente fomenta la dimensión ambiental del desarrollo sostenible y conduce al desarrollo socioeconómico (PNUMA, s.f.). Estos 17 aspectos de los ODS se capturan en los criterios e indicadores de UI GreenMetric.

Durante las primeras etapas del diseño de UI GreenMetric, se buscó ayuda sobre estos temas por parte de expertos tanto en clasificación como en sostenibilidad. Entre ellas se encontraban la celebración de una conferencia sobre rankings universitarios y videoconferencias, así como reuniones de expertos sobre sostenibilidad y construcción ecológica. El último taller de expertos sobre UI GreenMetric, el quinto taller internacional sobre UI GreenMetric World University Rankings, se celebró del 14 al 16 de abril de 2019 en el University College Cork. Debido a la pandemia, el sexto taller internacional sobre UI GreenMetric World University Rankings (IWGM 2020) se llevó a cabo virtualmente en la Universidad de Zanjan, Irán, en octubre de 2020, la Universidad Putra de Malasia en 2021 y la Universidad Nacional de Ciencia y Tecnología de Pingtung, Taiwán, en 2022.

En 2010, se utilizaron 23 indicadores dentro de las cinco categorías para calcular las puntuaciones de clasificación. En 2011 se utilizaron 34 indicadores. Luego, en 2012, se eliminó el indicador de “ambiente de campus libre de humo y drogas” y se utilizaron 33

indicadores para evaluar el campus verde. En 2012, los indicadores también se clasificaron en seis categorías, incluidos los criterios educativos. Un cambio que se estaba considerando era la formación de una nueva categoría para la educación y la investigación sobre sostenibilidad. En 2015, el tema fue la huella de carbono. Agregamos dos preguntas relacionadas con este tema en la sección de energía y cambio climático. También mejoramos nuestra metodología agregando algunos subindicadores relacionados con el agua y el transporte en el ranking de 2015. En 2017 se realizó un importante cambio metodológico al considerar nuevas tendencias en temas de sostenibilidad. En 2018, el tema fue Universidades, Impactos y Objetivos de Desarrollo Sostenible (ODS). Agregamos opciones de respuesta detalladas a los siguientes indicadores: área total del campus cubierta de bosque, vegetación plantada, absorción de agua además del bosque y la vegetación plantada, uso de electrodomésticos energéticamente eficientes, implementación de edificios inteligentes, relación entre producción y producción de energía renovable respecto del total Uso de energía por año, elementos de la construcción sustentable implementación, el programa de reducción de emisiones de gases de efecto invernadero, todos los criterios de residuos y agua, la proporción del área de estacionamiento con respecto al área total del campus, iniciativas de transporte para disminuir los vehículos privados en el campus, el programa de transporte diseñado para limitar o disminuir el área de estacionamiento en el campus , servicios de transporte, vehículos de emisiones cero (ZEV) y política para peatones en el campus, y la existencia de un sitio web de sostenibilidad gestionado por la universidad. También agregamos una nueva pregunta sobre Criterios Educativos, es decir, existencia de un informe de sostenibilidad publicado. Cambiamos la cuestión de la bicicleta hacia vehículos de cero emisiones considerando el transporte ecológico relacionado con las universidades de todo el mundo. En 2019, el tema fue Universidad sostenible en un mundo cambiante: lecciones, desafíos y oportunidades. Mejoramos el cuestionario en las opciones de respuestas y más explicaciones sobre indicadores de edificios inteligentes. En 2020, el tema del cuestionario es La responsabilidad de las universidades con los Objetivos de Desarrollo Sostenible y los complejos desafíos del mundo. Este año, el cuestionario UI GreenMetric intentó abordar los impactos que las universidades pueden proporcionar en un esfuerzo por planificar un campus verde para la comunidad. Para medir los impactos sociales, culturales y económicos y responder a la pandemia, se agregan nuevas preguntas al cuestionario UI GreenMetric World University Rankings en 2021. En 2022, hubo ajustes de indicadores y evaluaciones relacionadas con la condición actual de la pandemia. También hubo un nuevo indicador relacionado con la contaminación del agua. En 2023, se agregaron varios indicadores nuevos relacionados con el programa de residuos 3R, actividades de organizaciones estudiantiles y colaboración internacional. En 2024, hubo ajustes de indicadores y nuevos indicadores relacionados con el uso de las TIC.

Además, la evidencia es vital para el proceso de evaluación de nuestros revisores, así que asegúrese de que la evidencia que proporcione sea lo más completa posible.

### **c. Realidades y desafíos**

El objetivo de crear una Clasificación mundial de sostenibilidad universitaria se hizo entendiendo que la diversidad de tipos de universidades, sus misiones y sus contextos

plantearían problemas para la metodología. Somos plenamente conscientes de que las universidades difieren en sus niveles de conciencia y compromiso con la sostenibilidad, sus presupuestos, la cantidad de cobertura verde en sus campus y muchas otras dimensiones. Estas cuestiones son complejas, pero UI GreenMetric se compromete a mejorar continuamente la clasificación para que sea útil y justa para todos. Estamos abiertos a sugerencias de nuestros miembros.

## 6. ¿Quiénes forman el equipo?

De 2010 a 2020, UI GreenMetric World University Rankings fue administrado por un equipo dirigido por el Rector de Universitas Indonesia. Desde 2021, UI GreenMetric tiene que autogestionarse, ya que se nos animó a autofinanciarnos. Los miembros de nuestro equipo están formados por un equipo directivo, miembros expertos y revisores que provienen de diversos antecedentes y experiencias académicas, como ciencias ambientales, ingeniería, arquitectura, diseño urbano, odontología, salud pública, estadística, química, física, lingüística y estudios culturales.

## 7. ¿Cuál es la metodología?

### a. El criterio

UI GreenMetric evalúa la política y el desempeño de la universidad sobre la base de seis categorías; Entorno e Infraestructura (SI), Energía y Cambio Climático (EC), Residuos (WS), Agua (WR), Transporte (TR) y Educación e Investigación (ED). Cada categoría tiene una ponderación de puntos como se muestra en la siguiente tabla.

Tabla 2 Categorías utilizadas en los rankings y su ponderación

No	Categoría	Porcentaje de puntos totales (%)
1	Setting and Infrastructure (SI)	15
2	Energy and Climate Change (EC)	21
3	Waste (WS)	18
4	Water (WR)	10
5	Transportation (TR)	18
6	Education and Research (ED)	18
	TOTAL	100

Tabla 3 Indicadores y categorías sugeridas para su uso en la Clasificación de 2024

No	CRITERIO	Puntos	Peso
<b>1</b>	<b>Setting and Infrastructure (SI)</b>		<b>15%</b>
SI1	The ratio of open space area to total area	200	
SI2	Total area on campus covered in forest vegetation	100	
SI3	Total area on campus covered in planted vegetation	200	

<b>SI4</b>	Total area on campus for water absorption besides the forest and planted vegetation	100
<b>SI5</b>	The total open space area divided by total campus population	200
<b>SI6</b>	Percentage of university budget for sustainability efforts	200
<b>SI7</b>	Percentage of operation and maintenance activities of building in one year period	100
<b>SI8</b>	Campus facilities for disable, special needs and/or maternity care	100
<b>SI9</b>	Security and safety facilities	100
<b>SI10</b>	Health infrastructure facilities for students, academics and administrative staffs' well-being	100
<b>SI11</b>	Conservation: plant (flora), animal (fauna), or wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities	100
	<b>Total</b>	<b>1500</b>
<b>2</b>	<b>Energy and Climate Change (EC)</b>	<b>21%</b>
<b>EC1</b>	Energy efficient appliances usage	200
<b>EC2</b>	Smart building implementation	300
<b>EC3</b>	Number of renewable energy sources on campus	300
<b>EC4</b>	Total electricity usage divided by total campus' population (kWh per person)	300
<b>EC5</b>	The ratio of renewable energy production divided by total energy usage per year	200
<b>EC6</b>	Elements of green building implementation as reflected in all construction and renovation policies	200
<b>EC7</b>	Greenhouse gas emission reduction program	200
<b>EC8</b>	Total carbon footprint divided by total campus' population (metric tons per person)	200
<b>EC9</b>	Number of innovative program(s) in energy and climate change	100
<b>EC10</b>	Impactful university program(s) on climate change	100
	<b>Total</b>	<b>2100</b>
<b>3</b>	<b>Waste (WS)</b>	<b>18%</b>
<b>WS1</b>	3R (Reduce, Reuse, Recycle) program for university's waste	300
<b>WS2</b>	Program to reduce the use of paper and plastic on campus	300
<b>WS3</b>	Organic waste treatment	300
<b>WS4</b>	Inorganic waste treatment	300
<b>WS5</b>	Toxic waste treatment	300
<b>WS6</b>	Sewage disposal	300
	<b>Total</b>	<b>1800</b>
<b>4</b>	<b>Water (WR)</b>	<b>10%</b>
<b>WR1</b>	Water conservation program & implementations	200*

<b>WR2</b>	Water recycling program implementation	200
<b>WR3</b>	Water efficient appliances usage	200
<b>WR4</b>	Consumption of treated water	200
<b>WR5</b>	Water pollution control in the campus area	200
	<b>Total</b>	<b>1000</b>

<b>5</b>	<b>Transportation (TR)</b>	<b>18%</b>
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<b>TR1</b>	The total number of vehicles (cars and motorcycles) divided by total campus' population	200
<b>TR2</b>	Shuttle services	300
<b>TR3</b>	Zero Emission Vehicles (ZEV) availability on campus	200
<b>TR4</b>	The total number of Zero Emission Vehicles (ZEV) divided by total campus population	200
<b>TR5</b>	Ratio of the ground parking area to the total campus area	200
<b>TR6</b>	Program to limit or decrease the parking area on campus for the last 3 years (from 2021 to 2023)	200
<b>TR7</b>	Number of initiatives to decrease private vehicles on campus	200
<b>TR8</b>	The pedestrian path on campus	300
	<b>Total</b>	<b>1800</b>

<b>6</b>	<b>Education and Research (ED)</b>	<b>18%</b>
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<b>ED1</b>	The ratio of sustainability courses to total courses/subjects	300
<b>ED2</b>	The ratio of sustainability research funding to total research funding	200
<b>ED3</b>	Number of scholarly publications on sustainability	200
<b>ED4</b>	Number of events related to sustainability (environment)	200
<b>ED5</b>	Number of activities organized by student organizations related to sustainability per year	200
<b>ED6</b>	University-run sustainability website	200
<b>ED7</b>	Sustainability report	100
<b>ED8</b>	Number of cultural activities on campus (e.g.Cultural Festival)	100
<b>ED9</b>	Number of university sustainability program(s) with international collaborations	100
<b>ED10</b>	Number of community services related to sustainability organized by university and involving students	100
<b>ED11</b>	Number of sustainability-related startups	100
	<b>Total</b>	<b>1800</b>

**b. Indicadores revisados**

Para responder a la condición actual y agregar métricas para los aspectos sociales, culturales y económicos de la sostenibilidad, se han revisado algunos indicadores en el cuestionario de este año.

**c. Puntuación**

La puntuación de cada ítem será numérica para que nuestros datos puedan ser tratados estadísticamente. Las puntuaciones serán simples recuentos de cosas o respuestas en una escala de algún tipo. Los detalles de la puntuación se pueden encontrar en el **Apéndice 1**.

**d. La ponderación de los criterios.**

Cada uno de los criterios se categorizará en una clase general de información y cuando se procesen los resultados, las puntuaciones brutas se ponderarán para dar un cálculo final.

**e. Refinar y mejorar el instrumento de investigación.**

Si bien hemos puesto todo nuestro esfuerzo en el diseño y la implementación del cuestionario, nos damos cuenta de que seguramente habrá deficiencias. Por lo tanto, revisaremos los criterios y las ponderaciones continuamente para dar cabida a las aportaciones de los participantes y a los avances más recientes en el campo. Agradecemos sus comentarios y aportaciones.

**f. Envío de datos**

Los datos de las universidades deberán enviarse a través de un sistema en línea entre mayo y el 31 de octubre de 2024.

Agradecemos cualquier correo electrónico o copia impresa de la evaluación e informe de sostenibilidad de su universidad, así como evidencia sobre las actividades de sostenibilidad en su universidad.

**g. Resultados**

Se espera que los resultados preliminares de las métricas se presenten el 31 de octubre de 2024 y el resultado final completo se publicará a principios de diciembre de 2024.

Se puede acceder a los resultados de la clasificación básica (clasificaciones generales 2023) y a las puntuaciones detalladas a través de <https://greenmetric.ui.ac.id/rankings/overall-rankings-2023>

**8. ¿Quiénes son nuestras redes?**

El idealismo que rodea la conciencia sobre las cuestiones de sostenibilidad está generando ahora una red de organizaciones con ideas afines. La red está organizada y dirigida por la secretaria de UI GreenMetric World University Rankings, un comité directivo formado por representantes de coordinadores nacionales y/o regionales, en cooperación con universidades que organizan eventos de UI GreenMetric World University Rankings. Los talleres nacionales se llevaron a cabo desde 2017 en muchas universidades y países, es decir, la Universidad Nacional Agraria de Kazajstán, Kazajstán; Universidad El Bosque,

Colombia; Universidad de Sao Paulo, Brasil; Universidad Diponegoro, Indonesia; Universidad de Bolonia, Italia; Universidad de Aalborg, Dinamarca; Universidad Rey Abdulaziz, Arabia Saudita; y Universidad Rusa de la Amistad de los Pueblos, Rusia.

En 2018, los avances de UI GreenMetric también se presentaron en diferentes foros como el 4º Taller Internacional sobre UI GreenMetric (IWGM), Indonesia; Foro IREG Bélgica, Conferencia ISCN, Suecia; Grupo de Trabajo CRUI sobre Rankings Académicos Internacionales, Italia; Conferencia de la Asociación Internacional para la Evaluación de Impacto (IAIA), Malasia; y Simposio Mundial sobre Desarrollo de Campus Verdes, China. Ese mismo año, UI GreenMetric también se presentó en el Taller Nacional en varias universidades como anfitrionas, es decir, la Universidad de Zanzan y la Universidad Ferdowsi de Mashhad, Irán; Universidad Estatal de Atyrau, Kazajstán; Universidad Rey Abdulaziz, Arabia Saudita; Universidad de Nottingham, Reino Unido; la Universidad Nacional de Colombia y la Universidad del Rosario, Colombia; Universidad de Sao Paulo, Brasil; Comisión de Educación Superior de Pakistán, Pakistán; Universiti Utara Malaysia, Malasia; Institut Teknologi Sepuluh November, Indonesia; Universidad Técnica de Riga, Letonia; Universidad Rusa de la Amistad de los Pueblos, Rusia; Universidad Técnica Federico Santa María, Chile; y OMNES Education, Francia.

En 2019, UI GreenMetric fue invitada por varias organizaciones y comunidades: la 4.ª Asamblea General de la Unión de Universidades Verdes de Taiwán 2019, la Reunión CRUE, el Congreso Mundial de Educación Ambiental y la Conferencia Construir la Reputación de las Universidades - Building Universities' Reputations (BUR) 2019. Este año también se realizaron Talleres Nacionales y Regionales en varias universidades anfitrionas, es decir, la Universidad Autónoma de Occidente y la Universidad Icesi, Colombia; Universidad de Szeged dan Universidad de Pecs, Hungría; Universidad Hasanuddin, Indonesia; Universidad Nazarbayev, Kazajstán; Universidad Federal de Lavraz, Brasil; Universidad del Espíritu Santo de Kaslik (USEK), Líbano; Universidad RUDN, Rusia; Escuela Superior Politécnica De Chimborazo (ESPOCH), Ecuador; Universidad de Sousse y Túnez; Universidad Internacional de Chipre, Norte de Chipre.

A principios de 2020 se llevaron a cabo dos talleres en Francia y Arabia Saudita. Las actividades de UI GreenMetric en 2020 continuaron en medio de la pandemia de Covid-19 con más de 60 talleres y seminarios webs realizados con éxito en línea.

En 2020 UI GreenMetric realizó talleres virtuales con representantes universitarios de cada país: Nottingham University (Reino Unido), Mahidol University (Tailandia), Universitas Riau (Indonesia), Fundación Universidad del Norte Barranquilla (Colombia), University of Sharjah (Emiratos Árabes Unidos), Universidad RUDN (Rusia), Universidad de Campinas (Brasil), Universidad de Sonora (México) y Universidad de Zanzan (Irán).

En 2021, los talleres virtuales continuaron con nuevos representantes y más países como anfitriones, entre ellos la Universiti Putra Malaysia (Malasia), la Universidad de Szeged (Hungría), la Universidad Mahidol (Tailandia), la Universidad de Zanzan (Irán), la Universidad Tarbiat Modares (Irán), Universitas Sebelas Maret (Indonesia), Universidad Hemisferios (Ecuador), RUDN University (Rusia), Universidad Tecnológica de Pereira (Colombia), Universidad Autónoma de Nuevo León (México), Insec U (Francia).

Como parte de sus prioridades temáticas, UI GreenMetric con la Universidad de Sao Paulo, Universitas Indonesia, la Universidad El Bosque, la Universidad de Szeged, la Universidad de

Sharjah, la Escuela Superior Politécnica de Chimborazo y la Universidad de Sousse organizaron el curso en línea UI GreenMetric sobre Sostenibilidad 2021. Este curso es el primer curso en línea global único ofrecido por las mejores universidades en cuatro continentes y siete países a sus estudiantes. Brinda a los estudiantes una comprensión de los desafíos y caminos clave hacia el desarrollo sostenible en Brasil, Colombia, Ecuador, Hungría, Indonesia, Túnez y los Emiratos Árabes Unidos. El curso está diseñado como una introducción a nivel universitario a la pregunta más desafiante que enfrenta nuestra generación: ¿cómo pueden los países evolucionar de manera que sean socialmente inclusivos y ambientalmente sostenibles? El curso analiza la compleja interacción entre la economía, la vida social y el entorno físico de nuestro planeta, así como las consecuencias de las actividades humanas en el medio ambiente del planeta y las soluciones.

En 2022, UI GreenMetric organizó talleres con representantes universitarios de cada país como la Universidad EAFIT (Colombia), la Universidad Mahidol (Tailandia), la Universidad Tecnológica ECOTECH (Ecuador), la Universidad RUDN (Rusia), la Universidad de Sharjah (Emiratos Árabes Unidos) y Universitas Multimedia Nusantara (Indonesia). En 2023, los talleres nacionales de UI GreenMetric fueron organizados, entre otros, por la Universidad Nacional Autónoma de México (México), la Universidad de Aquila (Italia), la Universidad Estatal de Bukhara (Uzbekistán), el Institut Teknologi Sumatera (Indonesia) y la Universidad Tarbiat Modares (Irán). , Universidade Federal de Mato Grosso do Sul (Brasil), Universidad San Francisco de Quito (Ecuador), Universidad Militar Nueva Granada (Colombia), Universidad Hasan Kalyoncu (Turkiye), Universidad Internacional de Chipre (Chipre), Universidad Khwaja Fareed de Ingeniería e Información Tecnológica (Pakistán), Universidad Estatal de Batangas (Filipinas), Universidad RUDN (Rusia) y Resultados y premios UI GreenMetric organizados por la Universidad de Abu Dhabi (EAU).

El curso en línea sobre sostenibilidad de UI GreenMetric también continúa su implementación en 2023. Este año se ofrecen tres cursos en línea sobre el tema de las prácticas globales de los ODS. En Indonesia 17 universidades colaboran para organizar cursos en línea para sus estudiantes. Las 17 universidades son Institut Teknologi Nasional Bandung, Institut Teknologi Sepuluh Nopember, Telkom University, Universitas Diponegoro, Universitas Gadjah Mada, Universitas Islam Negeri Jakarta, Universitas Lampung, Universitas Muhammadiyah Malang, Universitas Negeri Surabaya, Universitas Padjadjaran, Universitas Palangka Raya, Universitas Pancasila, Universitas Pattimura, Universitas Sam Ratulangi, Universitas Sebelas Maret, Universitas Sriwijaya y Universitas Syiah Kuala. Además, la Universidad Nacional de Ciencia y Tecnología de Pingtung (Taiwán), la Universidad de Pecs (Hungría), la Universidad 6 de Octubre (Egipto), la Universitas Diponegoro (Indonesia), la Universitas Negeri Yogyakarta (Indonesia) y la Universidad Mahidol también organizan otro curso en línea. (Tailandia), Universidad Bulent Ecevit (Turquía).

## **10. ¿Cuáles son nuestros planes?**

UI GreenMetric siempre tiene en cuenta cómo lograr mejor sus propios objetivos, cómo aprender de las críticas constructivas sobre las clasificaciones y el avance de la EDS, y cómo

aprender de las diversas experiencias de los participantes con diferentes objetivos y en diferentes entornos. Planeamos seguir desarrollando el cuestionario y brindar más servicios a los miembros de su red. También fortaleceremos nuestras redes a través de programas innovadores.

## **11. ¿Cómo contactar con nosotros?**

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