

# IMPACT REPORT 2022

## RESPONSIBLE CONSUMPTION AND PRODUCTION

12 RESPONSIBLE  
CONSUMPTION  
AND PRODUCTION



PHOTO SOURCE: UM ZERO WASTE CAMPAIGN BUILDING



UNIVERSITI  
MALAYA

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# FOREWORD BY ASSOCIATE VICE-CHANCELLOR (CORPORATE STRATEGY)



The Sustainable Development Goals (SDGs) has transformed the landscape of the higher education sector on a global scale. These 17 goals have become a primary reference framework in many institutions' planning of education & learning, research & innovation, as well as strategic partnerships strategies.

The publication of the 17 Universiti Malaya Impact Reports 2022 is crucial to monitor our efforts towards SDGs as we are advancing our excellence through the implementation of the UM Strategic Plan 2021-2025, UM Transformation Plan 2021-2030, and UM Sustainability Policy 2021-2030.

For many years, UM has integrated the SDGs into our leadership, university policies, curriculum activities, RDCIE initiatives, values, investments, and strategic partnerships with stakeholders to demonstrate that UM also "walks the talk." These efforts involve active engagement from our staff, students, and the broader community of stakeholders and alumni.

Congratulations to the team at the Corporate Data Centre for formulating data-driven comprehensive reports that will serve the University in becoming a Global University Impacting The World.

# PREFACE BY DIRECTOR OF THE CORPORATE DATA CENTRE



I am delighted to present all 17 Universiti Malaya Impact Reports for 2022, which review the data related to the Sustainable Development Goals (SDGs) and showcase UM's achievements in 2022. The 17 SDGs serve as a guide for addressing the most pressing issues and critical challenges. Each of the 17 SDGs demands strong collaborative efforts from all levels of society to ensure a more resilient and sustainable future for the next generation.

In the Corporate Data Centre, we apply knowledge and data analytics skills to make informed, evidence-based decisions. This not only helps address current challenges but also ensures preparedness for the future.

These 17 Impact Reports for 2022 are flagship reports designed to assist the University in monitoring and examining our contributions to the country's progress in achieving the 17 SDGs.

I would like to seize this opportunity to express my deep appreciation to my team, who have worked tirelessly to collect and analyse data, enabling us to effectively monitor UM's sustainability efforts. I am also sincerely grateful for the support from UM's top management and the hard work of all colleagues across campus, particularly the Sustainable Development Centre, data managers, and controllers, for their cooperation in providing the SDG data for 2022.

# OUR IMPACT IN 2022



**24** assistance programs empowered **10694** students in their academic journeys.



**12** impactful food assistance programs, including free food, food banks, vouchers, and affordable options, eliminated hunger on UM campus.



Over **20** outreach programs delivered essential health services to local communities in need and refugees.



**47** enriching courses featured in the 2022 Short-Term/International Training/Study Tour, part of UM Course Buffet to support lifelong learning.



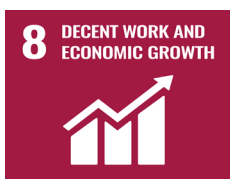
**55%** Female representation in senior positions



**429** participants took on 7 weeks of water conservation challenges during the Kita Jaga Air Challenge 2022.



UM subscribed to the Green Electricity Tariff (GET) program, generating **5.5** million kWh of clean energy



Precision Intervention Program for selected students to produce future-ready graduates enriched with UM DNA.

## AIM OF THE GOALS

SDG 1: End poverty in all its forms everywhere

SDG 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture

SDG 3: To ensure healthy lives and promote well-being for all at all ages

SDG 4: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

SDG 5: Achieve gender equality and empower all women and girl

SDG 6: Ensure availability and sustainable management of water and sanitation for all

SDG 7: Ensure access to affordable, reliable, sustainable and modern energy for al

SDG 8: Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

SDG 9: Build resilient infrastructure, promote inclusive and sustainable industrialization, and foster innovation

SDG 10: Reduce inequality within and among countries

SDG 11: Make cities inclusive, safe, resilient and sustainable

SDG 12: Ensure sustainable consumption and production patterns

SDG 13: Take urgent action to combat climate change and its impacts

SDG 14: Conserve and sustainably use the oceans, seas and marine resources for sustainable development

SDG 15: Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss

SDG 16: Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels

SDG 17: Strengthen the means of implementation and revitalize the global partnership for sustainable development

The development of the Industrial Relations Strategic Planning Framework - Industry University Hyper Engagement Collaboration Framework (INSIGHT)

The publication of the First E-Magazine for Persons with Disability by The Secretariat AUN-DPPnet.

The establishment of UM Master Plan document to guide the university towards achieving a Carbon-Neutral Campus by 2050.

9 initiatives conducted by the Zero Waste Campaign to establish an integrated solid waste management system

The establishment of UM Carbon Neutrality Acceleration Living Labs to contribute to the university's carbon-neutral performance.

In 2022, Project Pulih joined forces with RHB ISLAMIC to protect Malaysia marine ecosystems.

Rimba Ilmu, or Forest of Knowledge, covers 40 hectares and contains an estimated living collection of around 1,700 species of plants.

UM as the first university in Malaysia to conduct campus elections fully run by students.

UM as part of 28 Global Network Memberships, has International Partners based in UM, and 96 Academia-Industry Collaborations.





Overall Ranked  
in band  
**101-200 /1591**  
From band **201-300** in 2022



Ranked  
**50/876**  
From **201-300**  
in 2022



Ranked in band  
**101-200/647**  
From band **201-200**  
in 2022



Ranked in band  
**101-200/1218**  
From band **201-300**  
in 2022



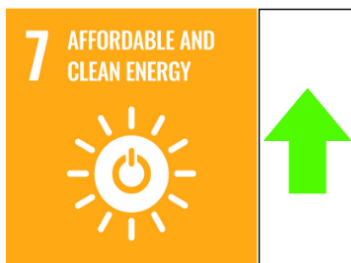
Ranked in band  
**101-200/1304**  
From ranked **79**  
in 2022



Ranked  
**3/1081**  
From ranked **51**  
in 2022



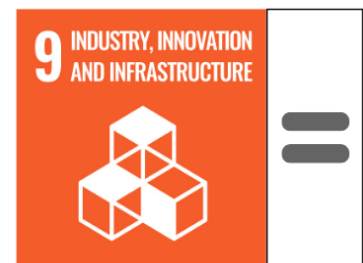
Ranked  
**60/702**  
From band **201-300**  
in 2022



Ranked  
**13/812**  
From **201-300**  
in 2022



Ranked in band  
**401-600/960**  
From band **401-600**  
in 2022



Ranked in band  
**201-300/873**  
From band **201-300**  
in 2022





Ranked in band  
**201-300/901**  
From band **101-200**  
in 2022



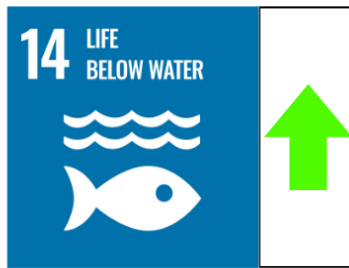
Ranked  
**72/860**  
From **101-200**  
in 2022



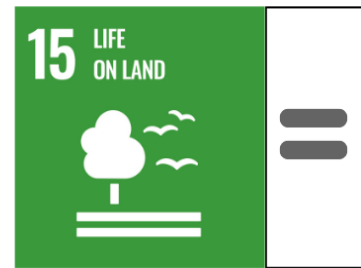
Ranked  
**73/674**  
From **201-300**  
in 2022



Ranked in band  
**101-200/735**  
From band **101-200**  
in 2022



Ranked  
**85/504**  
From **101-200**  
in 2022



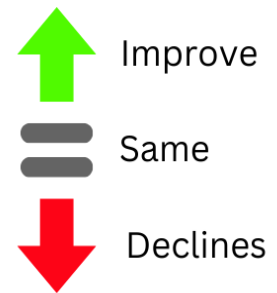
Ranked in band  
**101-200/586**  
From band **101-200**  
in 2022



Ranked in band  
**101-200/910**  
From band **201-300**  
in 2022



Ranked  
**81/1625**  
From **301-400**  
in 2022



# Operational Measures

## SDG12: RESPONSIBLE CONSUMPTION & PRODUCTION AT CAMPUS

*At our campus, we have embraced SDG12: Responsible Consumption & Production as a guiding principle. We are committed to sustainable practices that minimise waste, reduce resource consumption, and promote responsible product choices. We are dedicated to ensuring that every aspect of campus life reflects a commitment to responsible consumption and production, contributing to a more sustainable future.*

### **POLICY ON ETHICAL SOURCING OF FOOD AND SUPPLIES**

Universiti Malaya (UM) is fully committed to responsible procurement operations, utilising its supply chain to benefit the campus community. The University is dedicated to achieving the highest standards of environmental performance, pollution prevention, and minimising the impact of its operations.

In this context, UM's top management, along with the Bursar, UM Sustainability and Development Centre, and JPPHB, work diligently to realise the goals outlined in [UM's Sustainability Policy 2021-2030 \(page 19\)](#) and [UM Eco Campus Blueprint](#) and Development. These documents embed the policy on the ethical

sourcing of food and supplies, with the goal of environmental preservation.

To ensure that the products and services procured follow responsible and sustainable practices, UM expects suppliers to adhere to ethical policies and procedures during the manufacturing and sourcing process. All suppliers must ensure their sourcing practices and procedures align with the objectives of UM Sustainability Policy 2021-2030, specifically under Pillar 3: Environment, which addresses green procurement.

This commitment is also explicitly detailed in the [Tender Agreement](#) with vendors,

### **MANAGEMENT OF HAZARDOUS WASTE: PROCEDURES AND PRACTICES**

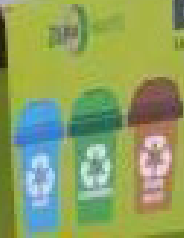
Hazardous waste is characterised by its potential harm to human health and the environment due to the materials or substances it contains. As certain laboratories at our institution generate hazardous waste, it is imperative to have the appropriate procedures and facilities in place to ensure the proper, legal, and safe management of this waste.

[This website, provided by the Division of Infrastructure Maintenance](#), offers comprehensive information about hazardous waste, including definitions, correct management processes, and disposal practices at the

# ZERO WASTE CAMPAIGN

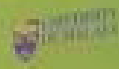
Integrated Waste Management Project in UM Campus

UM (ZWC)



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JPPHD



UM. It also features an inventory of scheduled waste management activities.

Hazardous waste necessitates careful segregation from non-hazardous waste and secure storage to eliminate risks to human health and the environment. Furthermore, it should exclusively be entrusted to waste carriers licensed and approved by the University.

The waste management principles of the waste hierarchy are to be consistently applied wherever feasible, focusing on minimising the generation of hazardous waste. For a more in-depth understanding of specific procedures, please consult the [UM Safety Handbook](#) (page 43).

## **WASTE DISPOSAL POLICY AT UNIVERSITI MALAYA: A SUSTAINABLE APPROACH**

UM has established its commitment to efficient resource utilisation and waste prevention, advocating for strategies that emphasise reduction, re-use, recycling, and recovery of materials. The University's goal is to foster a culture of environmental responsibility across the institution, aiming to minimise its ecological footprint.

UM has undertaken significant initiatives, notably the [UM Zero Waste Campaign](#), alongside consistent communication efforts aimed at increasing environmental awareness within the campus community.

The [UM Sustainability Policy 2021-2030](#), a guiding document for the institution (refer to page 5 & 15), sets forth ambitious objectives under the themes of

waste reduction, re-use, recycling, review, and reporting. Additionally, the [UM Eco-Campus Living Labs Guidelines](#) (refer to pages 30-59) outline comprehensive strategies for waste management within the University's premises.

These documents serve as cornerstones for UM's approach to responsible resource usage and sustainable waste management. Recognising the influence of global, national, and local imperatives in enhancing the University's environmental performance, UM remains dedicated to ensuring the effective implementation of these principles.

## **RESPONSIBLE OUTSOURCED SERVICES AND SUPPLY CHAIN MANAGEMENT AT UNIVERSITI MALAYA**

UM is dedicated to several key objectives in the realm of responsible outsourced services and supply chain management. These objectives are established to create a more equitable, ethical, and sustainable procurement environment.

### **1. Equality and Diversity**

UM is committed to diversifying its supplier chain by partnering with organizations that uphold principles of equality, diversity, workplace safety, and fairness. This commitment aligns with the core values outlined in the [UM Sustainability Policy 2021-2030](#).

### **2. Ethical Sourcing**

UM places a strong emphasis on ethical sourcing practices. The University seeks products and services that are procured

responsibly and sustainably. This involves the implementation of ethical policies and procedures throughout the manufacturing and sourcing processes. UM expects all its suppliers to adhere to their own responsible sourcing practices in compliance with the guidelines specified in the [Tender Agreement](#), specifically in [Eco-Campus Policy Clause 13](#).

### **3. Supplier Responsibility**

UM recognises the integral role that suppliers play in helping the University attain its responsible procurement goals. As part of its supplier evaluation process, UM assigns some percentage of the total weighting in tender evaluation scores to responsible procurement criteria. This evaluation takes place during contract award, regular supplier review meetings, and contract renewal phases.

It is crucial for suppliers to understand that the goods and services they provide can significantly impact UM's environmental and energy performance. Hence, suppliers bear the responsibility of ensuring that these impacts are managed in accordance with [UM's Eco-Campus policies](#). This includes raising awareness among their staff working on behalf of the University and ensuring strict compliance with the relevant Standard Operating Procedures (SOPs). This collaborative approach between UM and its suppliers is instrumental in advancing sustainable and ethical procurement practices.



Sustainability  
Science



**Pusat Kitar Semula Pintar**  
**Universiti Malaya**  
**University of Malaya**  
**Intelligent Recycle Centre**





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CDC welcomes your enquiries and feedback on this report.

Please email: [corporate\\_data@um.edu.my](mailto:corporate_data@um.edu.my)