

UNIMAS SUSTAINABILITY MASTERPLAN 2021-2025

Inclusive • Global • Sustainable



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1. Our Vice Chancellor: The Message

Universiti Malaysia Sarawak has been progressing and developing steadily and consistently for nearly three decades, leaving indelible impacts on our stakeholders. Over the years, the community at large has benefited tremendously from the establishment of UNIMAS, right in the heart of Borneo.

However, the dynamic of the higher education landscape and new challenges ahead require UNIMAS to adapt not only to remain relevant but also to rise to the occasion of fulfilling its role in spearheading inclusive and sustainable transformations at the regional and global stages.

UNIMAS Sustainability Masterplan 2021-2025 has been developed based on the criteria stated in the Times Higher Education (THE) Impact Rankings Methodology 2023 that are aligned with The UNIMAS Strategic Plan 2021-2025. The UNIMAS Sustainability Masterplan 2021-2025 is an ambitious articulation of our vision for UNIMAS to be a leading global university and to strengthen our position nationally, with a strong focus on four sustainable domains namely research, teaching, stewardship and outreach.



The UNIMAS Sustainability Masterplan has its main purpose of laying down all the sustainability initiatives not only on campus but also for the community surrounding. After all, it is the students, staff, alumni and stakeholders of UNIMAS who make this university a great institution. In a large organisation where significant initiatives are initiated to staff, students and other stakeholders at various levels, it is important that the planning and reviewing processes take into account the limited resources while at the same time optimising the effort to realise the University's sustainability initiatives.

The UNIMAS Sustainability Masterplan will continue to be the key document in our cycle of planning, delivery and implementing, providing focus for the University over the next four years. The commitment and initiatives contained within the UNIMAS Sustainability Masterplan will form the basis for annual planning and resource allocation as faculties, institutes and divisions consider their optimal use of resources to maximise progress towards higher performance and international standing sought by the university.

To achieve this masterplan, we must respond to changes and devote our time and energy to activities which will bring the university to a greater height. I look forward to your ongoing support as we continue the great effort to establish UNIMAS as a leading university, in Malaysia and beyond.

Prof. Datuk Dr Mohamad Kadim Suaidi
Vice Chancellor

2. Our Vision and Mission

OUR VISION

A Leading Global University for a Sustainable Future

OUR MISSION

To enhance the social and economic impacts on the global community through the pursuit of excellence in teaching, research, and strategic engagement



3. Our Values

OUR VALUES



Exemplary

We continuously strive to become role models to others through outstanding conducts in both professional and personal contexts.



Collegiality

We value unity. We collaborate and cooperate towards achieving collective goals for the betterment of the University.



Integrity

We uphold accountability and fully commit to exceptional work ethic.



Tenacity

We do not give in to hardships. We practice persistence and resilience in managing and solving challenges.



Equity

We embrace differences and work towards a safe environment that values, respects, and offers fair opportunities to everyone in our community.

NICHE AREAS



Biodiversity & Environmental Conservation



Sustainable Community Transformation



Information, Communication, and Creative Technology

4. Our Region



Borneo, the third largest island in the world, forms the heart of the Malay Archipelago. Its rich, flourishing biodiversity means that it is a pivotal location for scientific explorations. Borneo was the centre of the discovery published in the *Sarawak Law* paper by the renowned naturalist Alfred Russel Wallace. The paper would go on to shape the scientific world's perception regarding the mechanisms of evolution.

Borneo's cultural heritage is also amongst the richest in the world. As part of this extraordinary island, Sarawak hosts an incredible plethora of tangible and intangible cultural inheritance. Our ancient rainforests shelter thousands of endemic species, whilst our limestone caves have been designated as a UNESCO World Heritage Site.

5. Introduction

The UNIMAS Sustainability Masterplan will outline the key processes and elements required for planning related to the implementation and reporting of university sustainability initiatives.

The main references for the UNIMAS Sustainability Masterplan are based on the Times Higher Education (THE) Impact Rankings 2023 and Higher Ed Report (QS World University Rankings, Sustainability Rankings 2023). The former states that sustainability aspects are divided into four (4) domains, namely research, stewardship, outreach and teaching as illustrated in Figure 1 and the latter states that sustainability is measured using two impact indicators which are social and environment. For the social impact, it measures the employment and opportunities, equality, life quality, impact of education and knowledge exchange. Meanwhile, for the environmental impact, it measures sustainability in three main areas which are education, institutions and research.

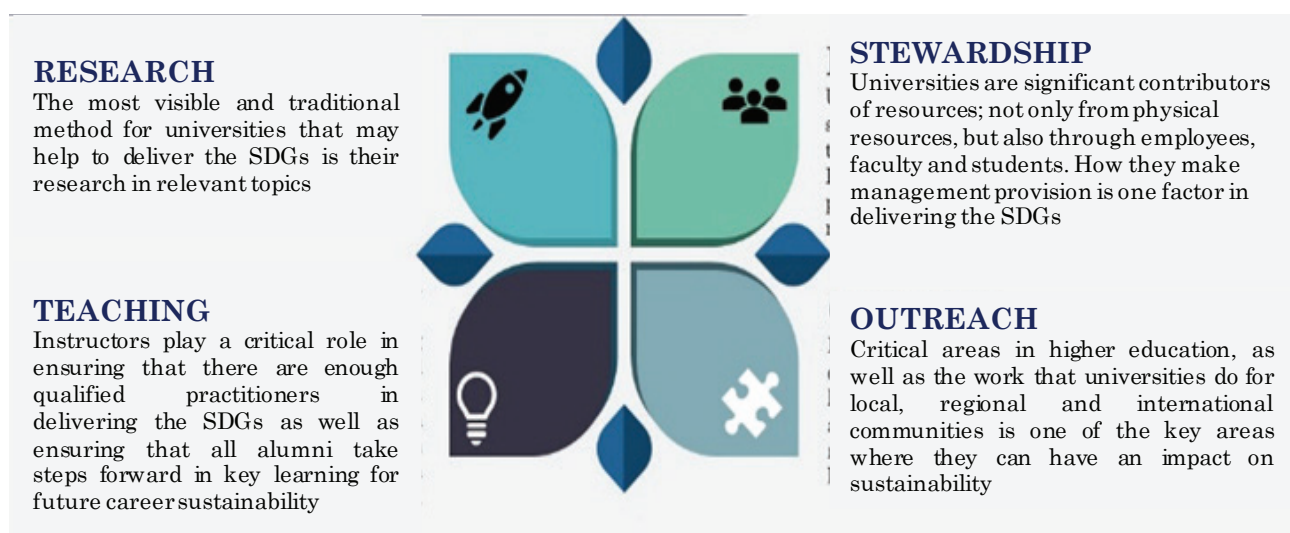


Figure 1: THE Domains

AIM

To develop strategic directions of UNIMAS development towards becoming a sustainable global university through the pursuit of sustainability in teaching, research and strategic engagement

OBJECTIVES

- To support national, state and university commitment towards sustainability through planning and implementation of sustainability initiatives.
- To outline the key processes and elements required for planning related to the implementation and reporting of university sustainability initiatives
- To identify appropriate timeframe and relevant stakeholders for each sustainability domain

5.1. Why There is a Need for Sustainability Masterplan?



Malaysia Commitment

“This sustainable development agenda requires comprehensive and inclusive involvement, as well as efforts from all parties to raise awareness among Keluarga Malaysia at the grassroots level and also among private companies,” said the Prime Minister during the National SDG Council meeting on 5 September 2022. The National SDG Council was established since 2016.



Sarawak Commitment

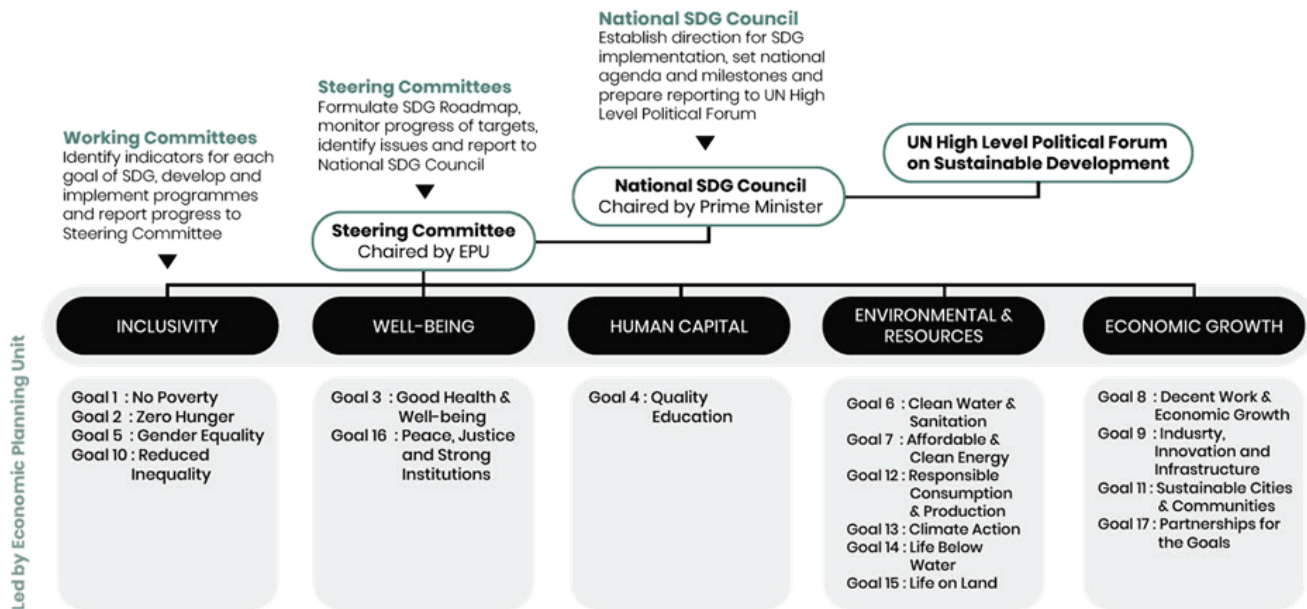
“Sustainable Sarawak Blueprint will be developed to guide all government agencies, businesses and communities in achieving the state’s desired environmental sustainability goals. The blueprint will address concerns related to biodiversity conservation and natural resources management, climate change mitigation and adaptation, while enabling the creation of an environment with modern infrastructure in line with the country’s Fourth Industrial Revolution (IR4.0) drive,” said the Sarawak Premier during the Malaysian Conservation Conference on 29 Mac 2022

5.2. Policies Reference

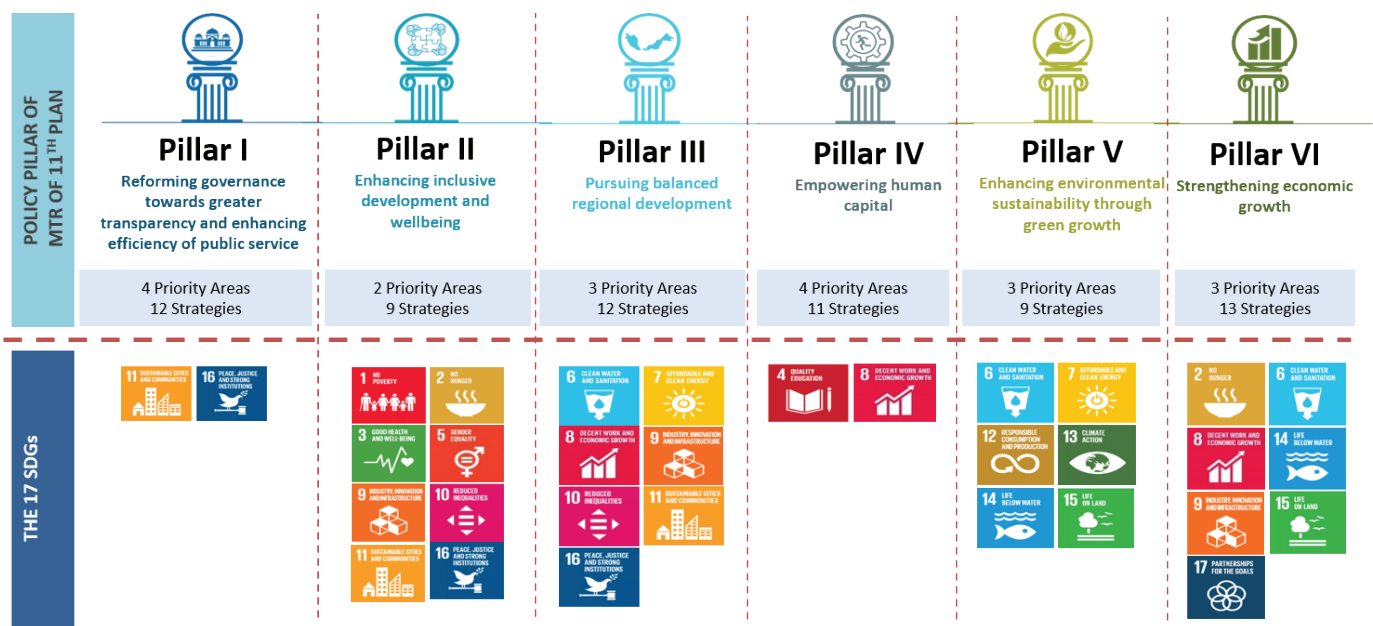
UNIMAS Sustainability Masterplan 2021-2025

Global	National
<ul style="list-style-type: none"> ✓ Sustainable Development Goals (SDGs) ✓ New Urban Agenda ✓ The Global Reporting Initiative (GRI) ✓ UNESCO's Education for Sustainable Development (ESD for 2030) ✓ UNESCO Chair in Community Based Research and Social Responsibility in Higher Education ✓ UNESCO's The Little Book of Green Nudges 	<ul style="list-style-type: none"> ✓ Malaysia SDG Cities ✓ Malaysia's 12th Plan ✓ National Policy on Climate Change ✓ Malaysia's Roadmap Towards Zero Single-Use Plastics 2018-2030 ✓ Green Technology Master Plan Malaysia 2017-2030 ✓ Wawasan Kemakmuran 2030
State	UNIMAS
<ul style="list-style-type: none"> ✓ Post Covid Development Strategy (PCDS) 2030 	<ul style="list-style-type: none"> ✓ UNIMAS Strategic Plan 2021-2025 <div style="border: 1px dashed black; padding: 10px; text-align: center; margin-top: 10px;"> <p>UNIMAS Sustainability Masterplan 2021-2025</p> </div>

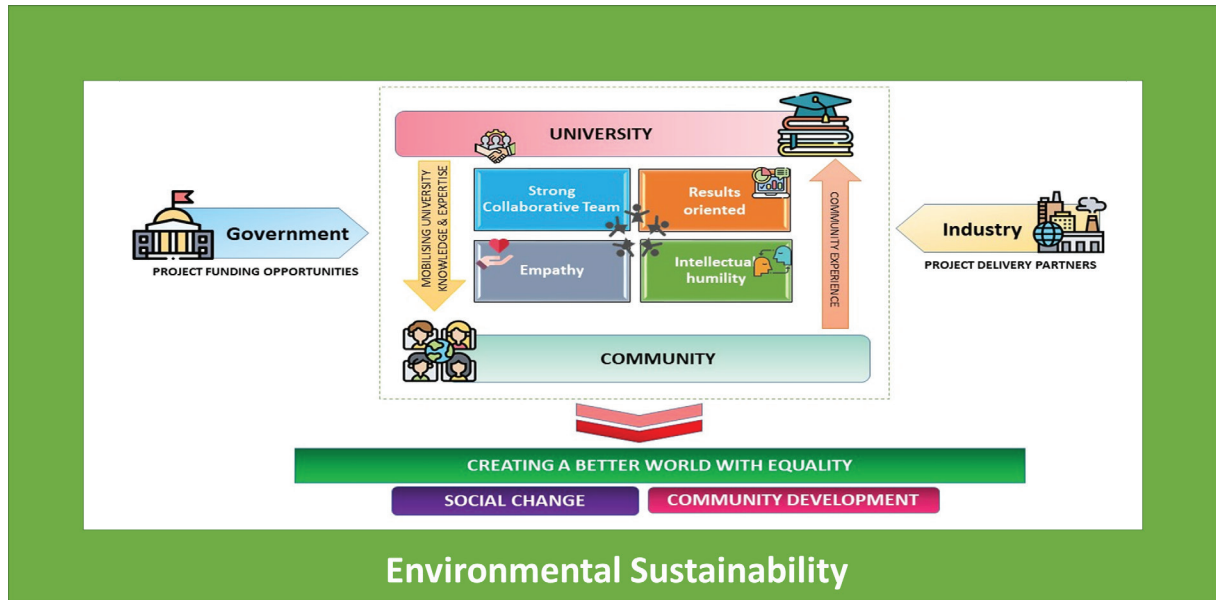
5.3. Malaysia Governance for SDGs Roadmap



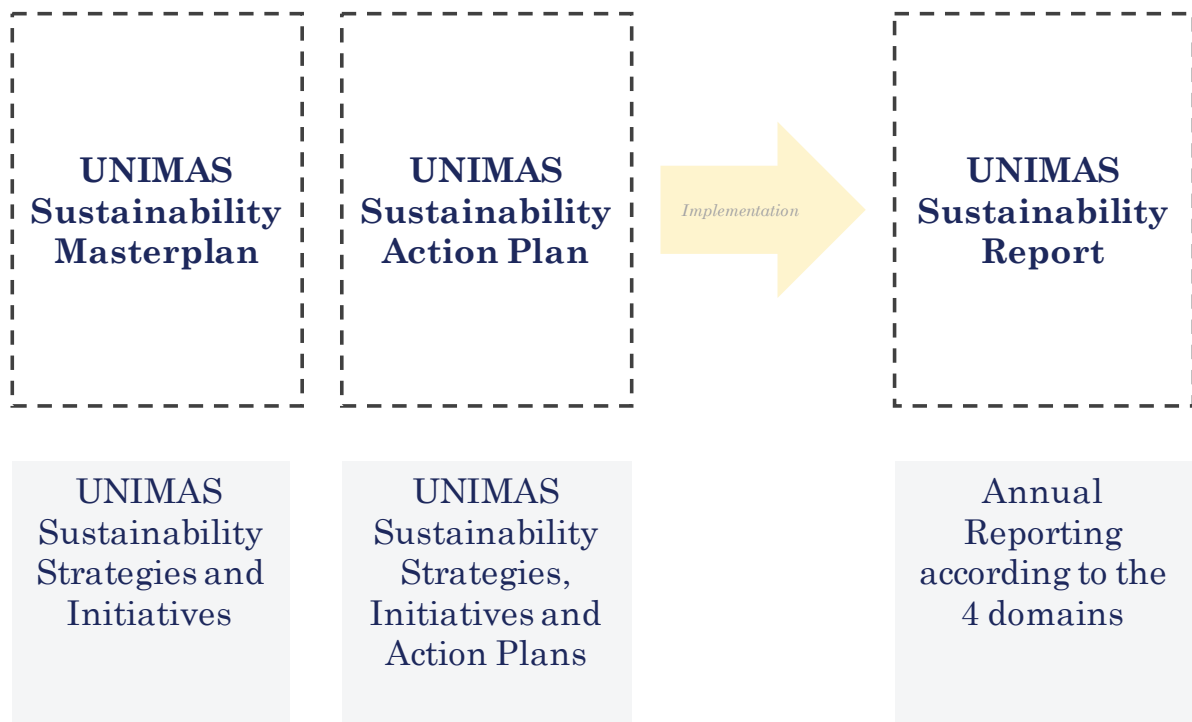
5.4. Mapping of Mid Term Review of the 11th Malaysia Plan and the SDGs



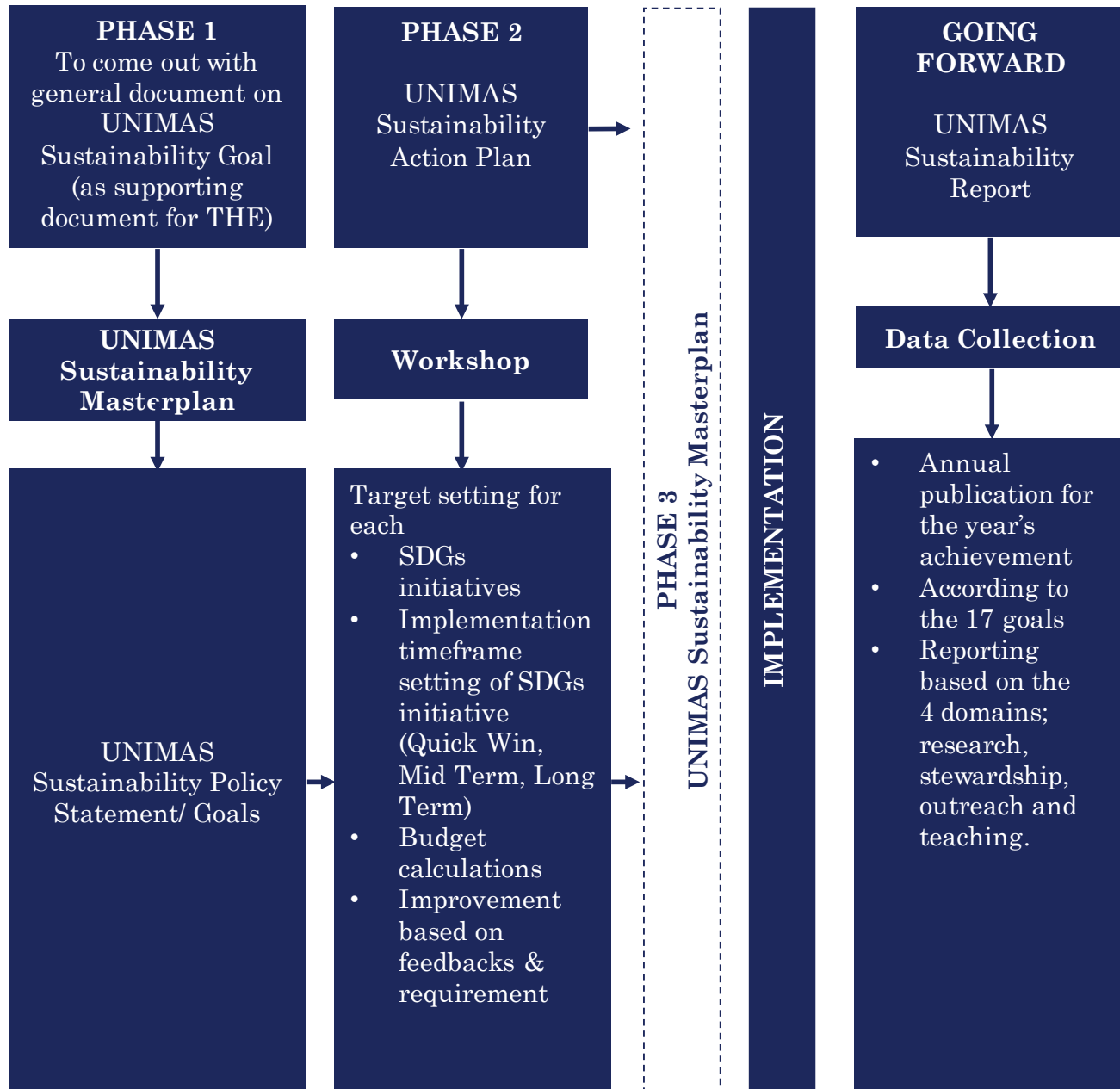
5.5. SDGs Initiative Implementation Model: Penta Helix Approach



5.6. Stages of Preparation UNIMAS Sustainability Masterplan 2021-2025



5.7. Stages of Preparation UNIMAS Sustainability Masterplan 2021-2025



5.8. Report Approach 1: Pillar Base

UNIMAS Sustainability Masterplan 2021-2025



6. SDGs Achievement Analysis



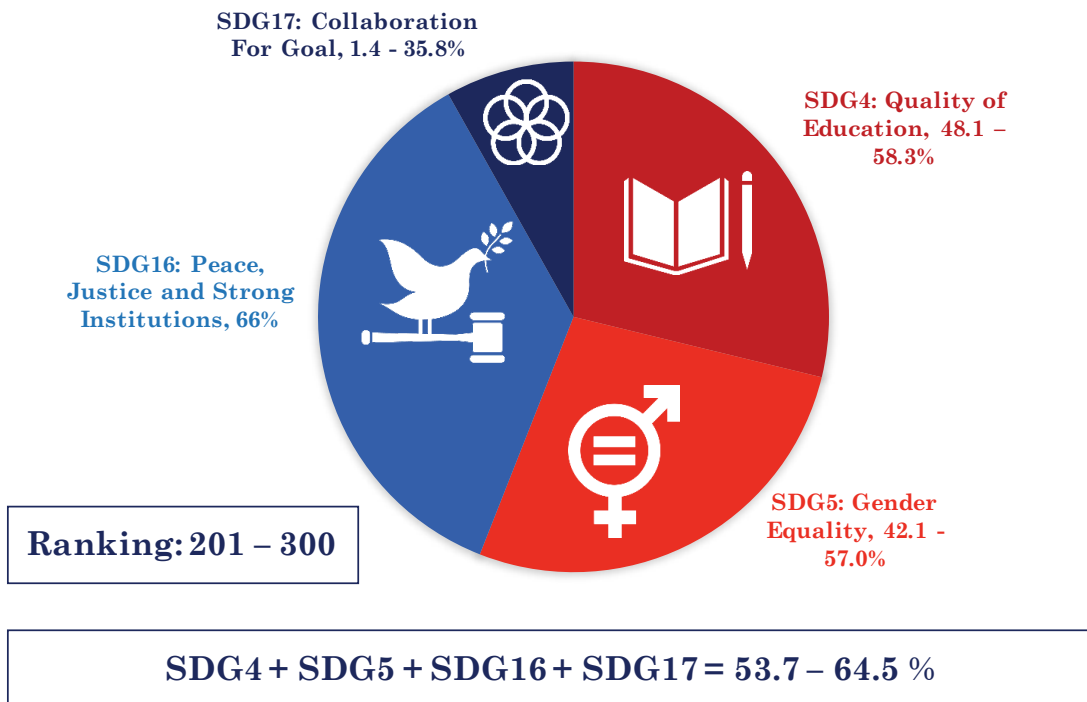
6.1. Global Sustainability Goal Assessment Mechanism



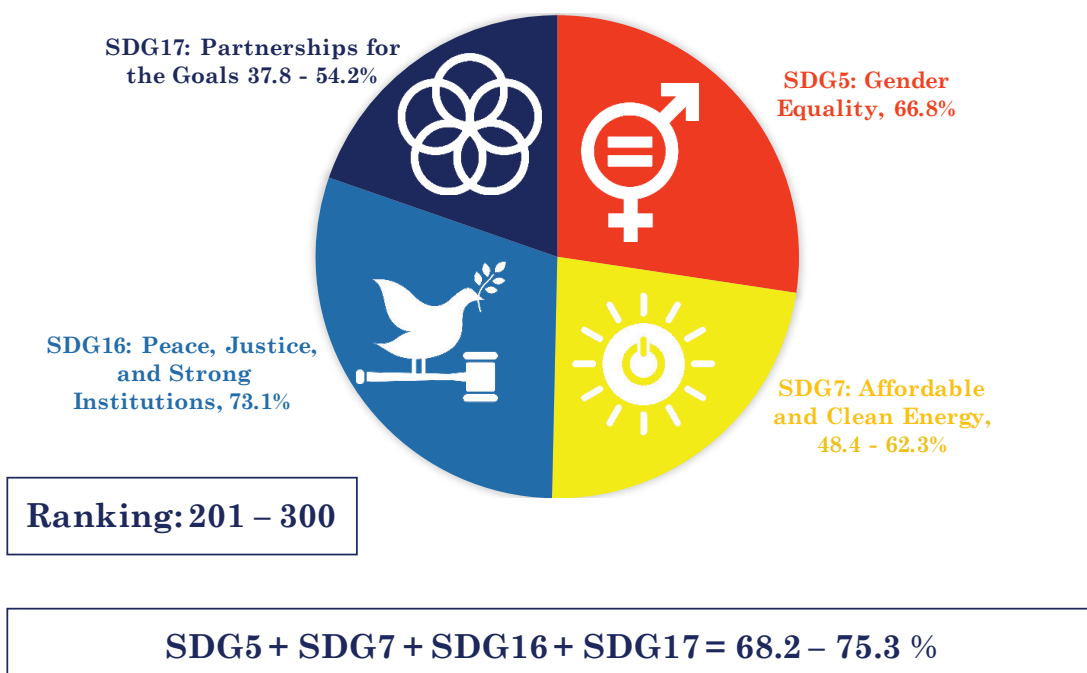
6.2. Analysis of UNIMAS' Achievements in THE Impact Rankings

SDGs that declined in ranking between 2021 and 2022	SDGs that increase in ranking between 2021 and 2022	SDGs that remain unchanged in the rankings between 2021 and 2022
1 NO POVERTY 5 GENDER EQUALITY 6 CLEAN WATER AND SANITATION 7 AFFORDABLE AND CLEAN ENERGY 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 10 REDUCED INEQUALITIES 11 SUSTAINABLE CITIES AND COMMUNITIES 12 RESPONSIBLE CONSUMPTION AND PRODUCTION 13 CLIMATE ACTION 14 LIFE BELOW WATER 15 LIFE ON LAND	4 QUALITY EDUCATION 8 DECENT WORK AND ECONOMIC GROWTH 16 PEACE, JUSTICE AND STRONG INSTITUTIONS	2 ZERO HUNGER 3 GOOD HEALTH AND WELL-BEING 17 PARTNERSHIPS FOR THE GOALS

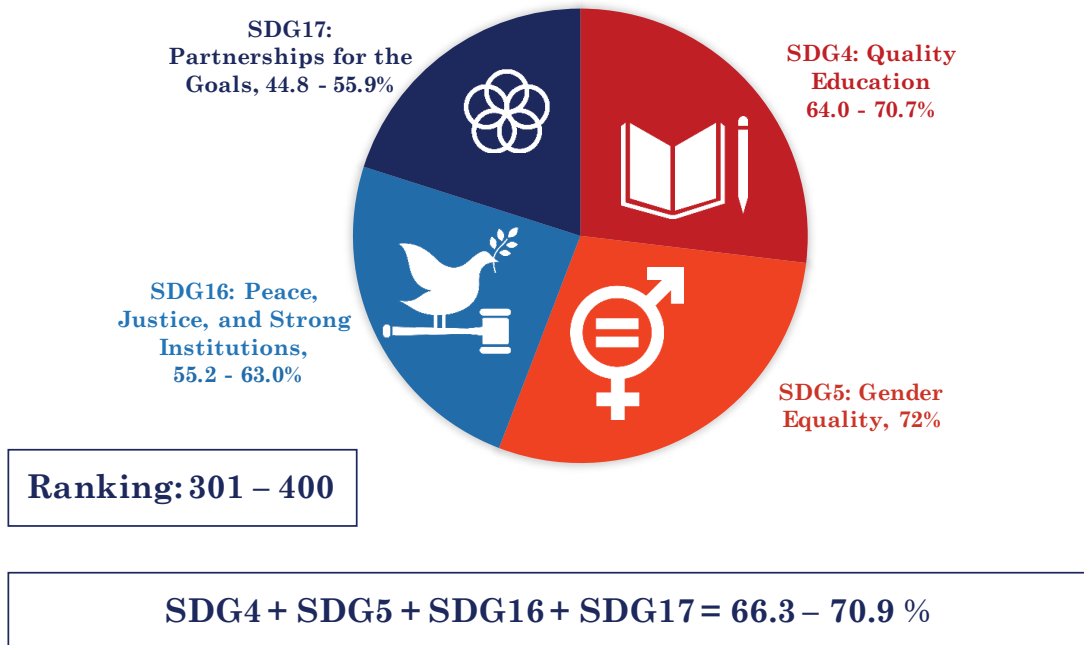
6.3. UNIMAS' Achievement in the SDGs Based on THE Impact Rankings 2019



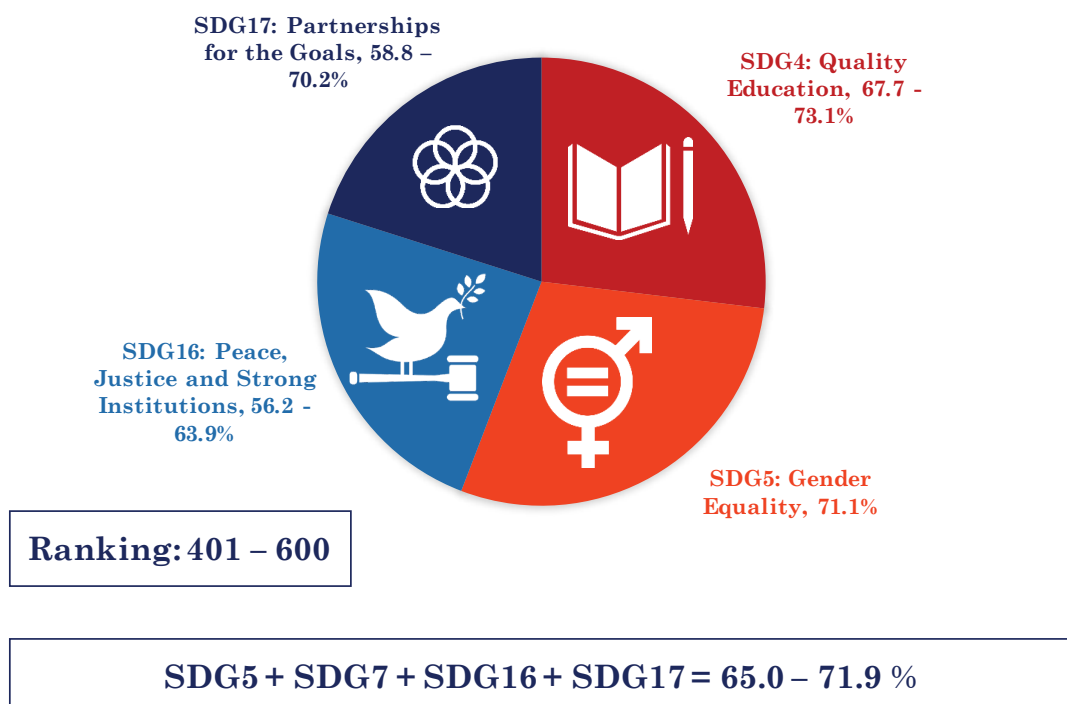
6.4. UNIMAS' Achievement in the SDGs Based on THE Impact Rankings 2020



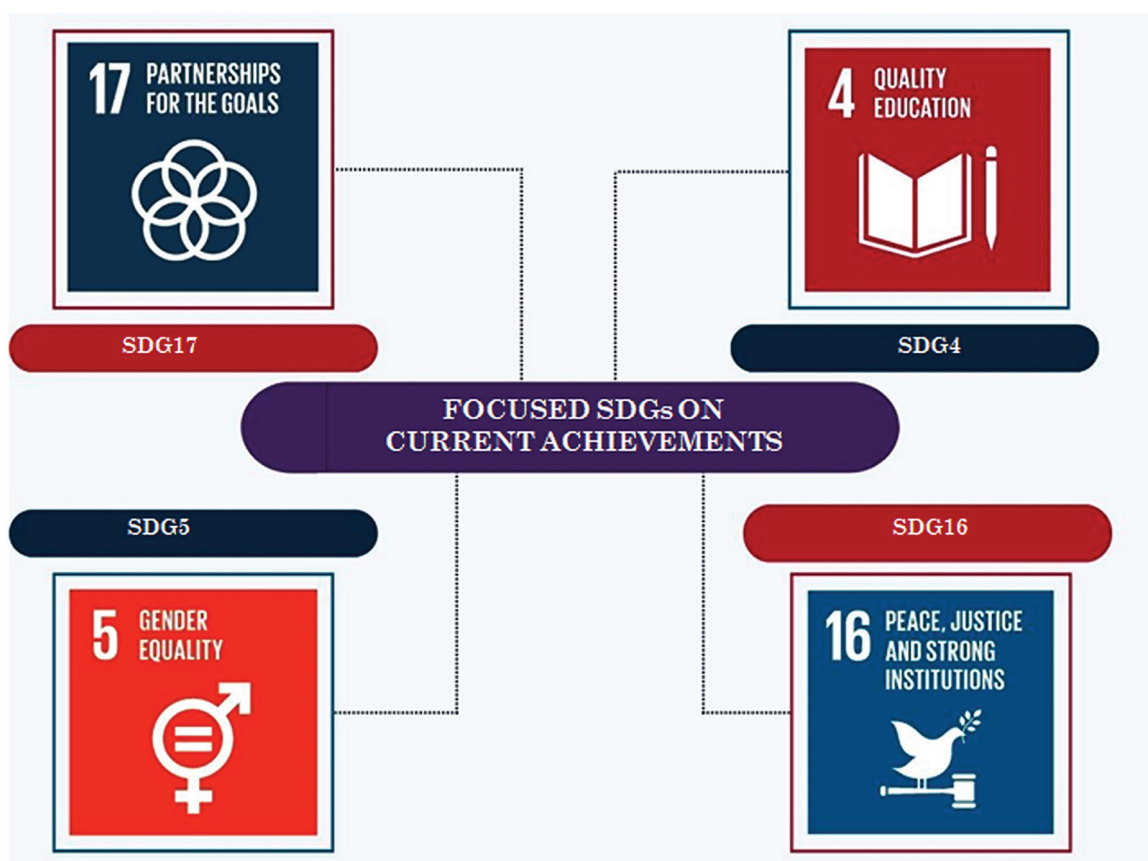
6.5. UNIMAS' Achievement in the SDGs Based on THE Impact Rankings 2021



6.6. UNIMAS' Achievement in the SDGs Based on THE Impact Rankings 2022



6.7. Focused SDGs on Current Achievements



7. Benchmarking Analysis

THE IMPACT RANKINGS 2022

Universiti Malaysia Sarawak MALAYSIA	Western Sydney University AUSTRALIA	Arizona State University (Tempe) UNITED STATES	Western University CANADA	Universiti Sains Malaysia MALAYSIA	Queen's University CANADA	Newcastle University UNITED KINGDOM
Overall Score						
65.0 – 71.9	99.1	98.5	97.8	97.5	96.6	96.5
THE Impact Rankings 2022						
401 – 600	1	2	3	4	7	8
Best Scores by Rank (SDGs)						
4, 5, 16, 17	5, 6, 12, 17	11, 14, 15, 17	1, 2, 9, 17	5, 7, 16, 17	1, 9, 11, 17	9, 11, 12, 17
Sustainability Masterplan						
No	Yes	No	Yes	Yes	No	No
Published Date						
-	June 2022	-	Nov 2012	2014	2010	-
Target year						
-	2020, 2025, 2030	2025	2022	-	-	-
Annual SDGs Reporting						
Yes	Yes	Yes	Yes	Yes	Yes	Yes
Carbon Emission Strategy						
No	Yes	Yes	Yes	Yes	Yes	Yes
World University Ranking 2022						
1201+	201 – 250	132	201-250	601-800	251-300	146

8. Sustainability Initiatives and Directions 2021-2025

The followings are the proposed FOUR strategies to plan, execute and revise the sustainability initiative on campus.

- **Strategy 1:** Appointment of relevant divisions for each sustainability domain
- **Strategy 2:** Implementation and alignment of sustainability initiatives based on SDGs with UNIMAS Strategic Plan 2021-2025
- **Strategy 3:** Monitoring of the achievement of the SDGs by the University Sustainability Committee (JKKU)

8.1. Strategy 1: Appointment of Relevant Divisions for Each Sustainability Domain



8.2. Strategy 2: Implementation and Alignment of Sustainability Initiatives based on SDGs



Initiatives and Directions 2021 -2025 for SDG1

- Increase collaboration with researchers from abroad especially from low or lower-middle income countries
- Encourage research related to poverty issues in Malaysia especially in Sarawak in general
- Improving aid and support system for low-income students in the B20 or B10 group
- To strengthen strategic networks and collaborations with private agencies or governments in helping to improve the socio-economics of the local population



Initiatives and Directions 2021 -2025 for SDG2

- Encourage research related to issues related to Food Safety (Food Security)
- Initiate sustainable food waste tracking system
- Encourage sustainable food purchase and selection
- Enhancing knowledge transfer programmes with local farmers and food producers



Initiatives and Directions 2021 -2025 for SDG3

- Encourage research related to good health and well-being
- Enhancing community health programmes with local communities
- Provide access to the local community in using university sports facilities
- Enhancing health programs such as sexual, reproductive, mental and other related health care for campus community
- Continuing efforts and agenda to make the university a smoke-free area



Initiatives and Directions 2021 -2025 for SDG4

- Encourage research related to quality education
- Improve public access to university library
- Promoting lifelong programmes to the public or local residents
- Continuing the agenda or policy related to the Equality Policy



Initiatives and Directions 2021 -2025 for SDG5

- Encourage research related to gender equality issues
- Enhancing publishing-related skills programmes among female academicians
- Enhancing higher education awareness programmes to women especially in underserved areas
- Enhancing leadership programs to female academics
- Continuing agendas or policies related to the Equality and Protection Policy
- Continuing the agenda or policy related to the sexual harassment



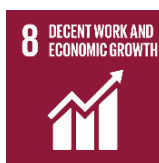
Initiatives and Directions 2021 -2025 for SDG6

- Encourage research related to water and sanitation
- Enhancing awareness programmes related to sustainable water use
- Establish a water reuse policy



Initiatives and Directions 2021 -2025 for SDG7

- Encourage research areas related to affordable, clean and sustainability energy
- Continuing the agenda of upgrading all facilities to optimise energy consumption and reduce carbon emissions on campus
- Continuing the agenda related to Energy Policy
- Pursue policies related to the construction or renovation of buildings to comply with Energy Efficiency Standards
- Incorporating policies related to the shift in the use of energy from carbon-based energy sources such as fuels and charcoal
- Creating pledges related to renewable energy
- Enhancing programmes related to sustainable energy with local communities



Initiatives and Directions 2021 -2025 for SDG8

- Encourage research related to employment and economic growth
- Strengthening the functions and roles of labor unions on campus
- Continuing agendas or policies related to the equality and protection policy



Initiatives and Directions 2021 -2025 for SDG9

- Encourage research related to industry, innovation and infrastructure
- Enhancing awareness programmes related to the importance of Patent in the field of research
- Promote the commercialization of research products through the establishment of companies of a Spin-Off Company nature
- Promoting networks with government and private agencies in funding research costs



Initiatives and Directions 2021 -2025 for SDG10

- Encourage research related to inequality
- Continuing agendas or policies related to the equality and protection policy
- Continuing the agenda or policy related to sexual harassment
- Improve the number and quality of facilities to those with special needs



Initiatives and Directions 2021 -2025 for SDG11

- Encourage research related to sustainable cities and communities
- Securing more funds for art and heritage programmes
- Strengthening the collaboration with local agencies in assisting local communities in affordable housing related issues



Initiatives and Directions 2021 -2025 for SDG11

- Encourage research related to sustainable cities and communities
- Securing more funds for art and heritage programmes
- Strengthening the collaboration with local agencies in assisting local communities in affordable housing related issues



Initiatives and Directions 2021 -2025 for SDG13

- Encourage research related to climate action
- Establish policies related to processes and practices related to waste disposal which includes hazardous waste and statistics on the amount of waste sent to disposal or recycling sites
- Intensify awareness programmes related to climate problems and environmental education with local communities and NGOs
- Establish university's commitment towards carbon neutrality



Initiatives and Directions 2021 -2025 for SDG14

- Encourage research related to life under water
- Establish policy related to the provision of food from aquatic ecosystem sources
- Establish policies related to the prevention and reduction of marine life pollution from all sources especially from industrial, agricultural, development and recreational activities.
- Intensify awareness programmes related to the conservation of aquatic life with the community and local agencies



Initiatives and Directions 2021 -2025 for SDG15

- Encourage research related to life on land
- Establish policy related to the maintenance, restoration, and sustainability of the use of land ecosystems that are directly related to universities, especially forests, mountains and land
- Establish policy dealing with the identification, monitoring, and protection of IUCN Red Listed Species and National Conservation List Species with habitats that have the potential to be disturbed by the operation of universities
- Establish policy related to reducing the impact of Alien Species on campus
- Establish guidelines and standards on water release systems
- Establish policy related to reducing the disposal of plastic on campus
- Establish policy related to the disposal of hazardous remains on campus



Initiatives and Directions 2021 -2025

- Encourage research related to peace, justice and strong institutions
- Promoting networking and collaboration with local agencies in formulating policies

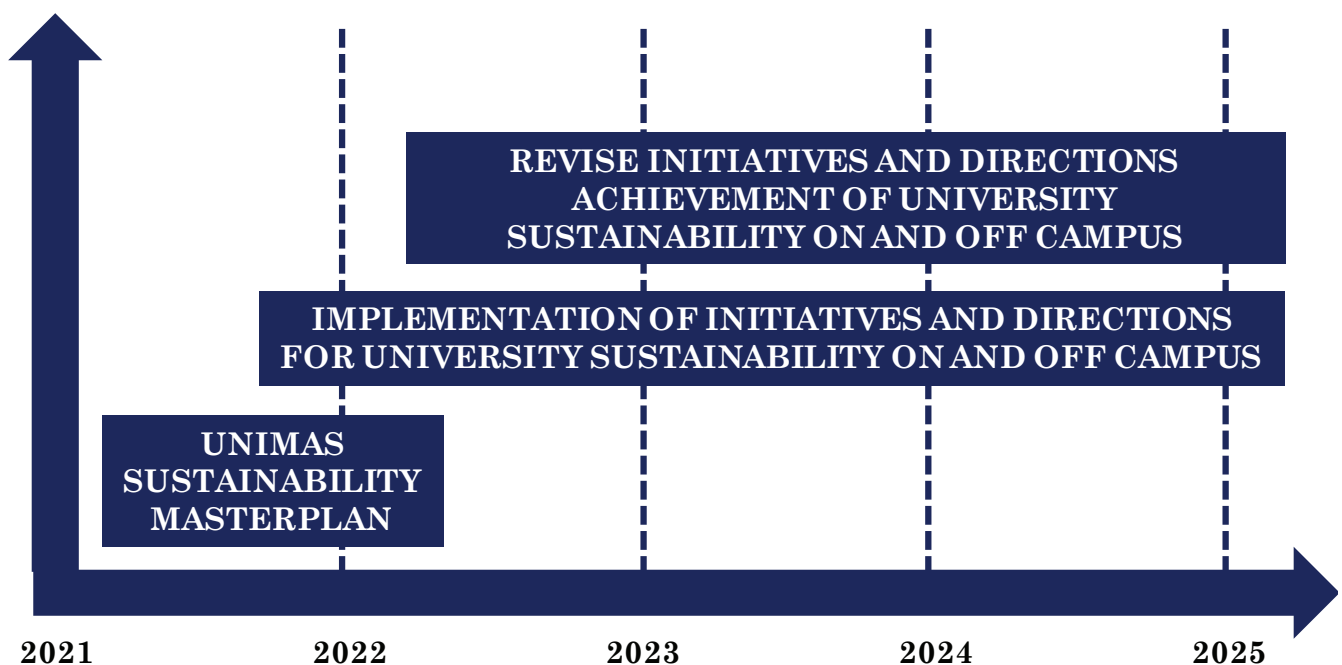


Initiatives and Directions 2021 -2025 for SDG17

- Encourage researchers to collaborate with international researchers especially from low- or middle-income countries, especially in the field of goal sharing
- Strengthening networking and collaboration with local NGOs and agencies in achieving the goals of SDG 2030
- Enhancing education programmes related to the SDGs together with the community
- Incorporating SDG elements in programs offered at universities

8.3. Strategy 3: Measurement of Campus Sustainability Indicators

- Each SDG achievement shall be reported on the achievement of the SDGs by each appointed divisions
- Appointment of a Responsible Officer for each division involved to ensure that the initiative is monitored effectively
- Regularly Sustainability Reporting (Every 3 months) through the system iSIMS
- Creating a special website for Sustainability Initiatives monitored by USC and maintained by an appointed technical officer from CITDS
- Reporting will be reviewed and monitored by the University Sustainability Committee (JKKU)



Appendix 1: Low & Low-Middle Income Countries

Low-Middle Income Countries (The World Bank)

1. Algeria
2. Angola
3. Bangladesh
4. Benin
5. Bhutan
6. Bolivia
7. Cabo Verde
8. Cambodia
9. Cameroon
10. Comoros
11. Congo, Rep.
12. Cote D'Ivoire
13. Djibouti
14. Egypt, Arab Rep.
15. El Salvador
16. Eswatini
17. Ghana
18. Haiti
19. Honduras
20. India
21. Indonesia
22. Iran, Islamic Rep.
23. Kenya
24. Kiribati
25. Kyrgyz Republic
26. Lao PDR
27. Lebanon
28. Lesotho
29. Mauritania
30. Micronesia, Fed. STS
31. Mongolia
32. Morocco
33. Myanmar
34. Nepal
35. Nicaragua
36. Nigeria
37. Pakistan
38. Papua New Guinea
39. Philippines
40. Samoa
41. Sao Tome and Principe
42. Senegal
43. Solomon Islands
44. Sri Lanka
45. Tajikistan
46. Tanzania
47. Timor-Leste
48. Tunisia
49. Ukraine
50. Uzbekistan
51. Vanuatu
52. Vietnam
53. West Bank and Gaza
54. Zimbabwe

Low Income Countries (The World Bank)

1. Afghanistan
2. Burkina Faso
3. Burundi
4. Central African Republic
5. Chad
6. Congo, Dem. Rep.
7. Eritrea
8. Ethiopia
9. Gambia
10. Guinea
11. Guinea-Bissau
12. Korea, Dem. People's Rep
13. Liberia
14. Madagascar
15. Malawi
16. Mali
17. Mozambique
18. Niger
19. Rwanda
20. Sierra Leone
21. Somalia
22. South Sudan
23. Sudan
24. Syrian Arab Republic
25. Togo
26. Uganda
27. Yemen, Rep.
28. Zambia

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