Sustainability Development Model 2023-27

Geoff Chatwood

Vice Principal: Students & Environments

13th October 2023

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CHALLENGE.
EMPOWER.

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Why is sustainability important?

- A responsibility to future generations;
- A history of environmental responsibility engagement;
- Increasing costs of resources;
- 459 staff, over 2000 individuals on academic/vocational courses and around 400 other students;
- Significant potential impact of awareness/action/education;
- Compliance.

Where you we today?

Our research:

What your stakeholders think:

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DID YOU KNOW?

210 EACH YEAR WE USE THE SAME AMOUNT OF ELECTRICITY AS 210 HOMES!

IN THE LAST ACADEMIC YEAR, WE USED THE EQUIVALENT OF 9 TREES IN OUR A4 SIZE PRINTERS /PHOTOCOPIERS! **9**

LAST YEAR WE PRODUCED ENOUGH UN-COMPACTED GENERAL WASTE TO FILL THE 8-LANE SWIMMING POOL AT THE NSC!
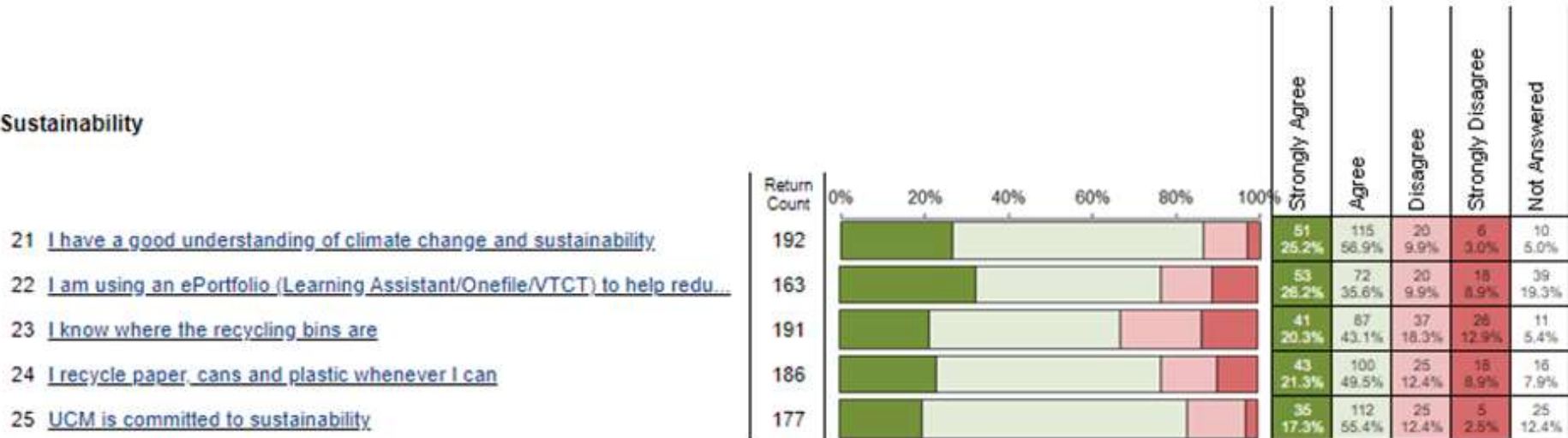
8% **14%** **25%**

IN #2 WE RECYCLE 8% OF CANS, 14% OF PLASTIC BOTTLES AND 25% OF GLASS BOTTLES SOLD.

Student Voice May 2023:
Over 30% response rate of Full-time students*
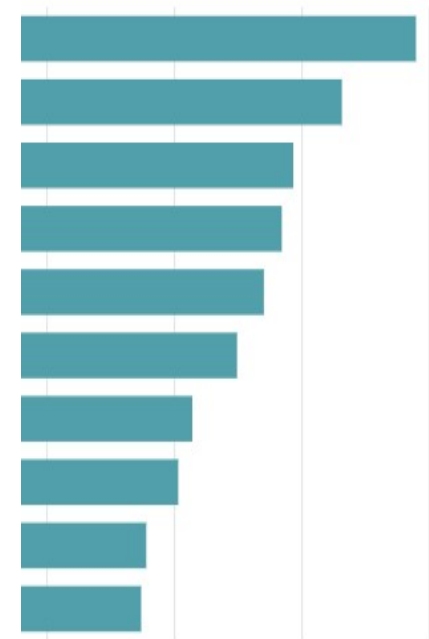
Sustainability

		Return Count	Strongly Agree	Agree	Disagree	Strongly Disagree	Not Answered
21	I have a good understanding of climate change and sustainability	192	51 / 25.2%	115 / 56.9%	20 / 9.9%	6 / 3.0%	10 / 5.0%
22	I am using an ePortfolio (Learning Assistant/Onefile/VTCT) to help redu...	163	53 / 26.2%	72 / 35.6%	20 / 9.9%	18 / 8.9%	39 / 19.3%
23	I know where the recycling bins are	191	41 / 20.3%	87 / 43.1%	37 / 18.3%	26 / 12.9%	11 / 5.4%
24	I recycle paper, cans and plastic whenever I can	186	43 / 21.3%	100 / 49.5%	25 / 12.4%	18 / 8.9%	16 / 7.9%
25	UCM is committed to sustainability	177	35 / 17.3%	112 / 55.4%	25 / 12.4%	5 / 2.5%	25 / 12.4%

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Staff Survey: 15% ~

From your perspective, which areas should UCM focus on in its attempt to be more sustainable?

- Waste: reducing waste, increasing recycling, and purchasing environmentally-responsible products

- Energy: conserving energy, making buildings more energy efficient, and generating energy from renewable sources (e.g. wind or solar)

- Food: making healthy and sustainable food options more available

- Water: conserving water and/or capturing rainwater and runoff

- Transportation: providing more transportation choices to limit the need to use a personal vehicle

- Wellness: supporting UCM staff and students to meet the challenges they face and supporting their strengths so they feel a part of the community, and are connected to their natural surroundings.

- Greenhouse gases: reducing greenhouse gas emissions

- Engagement: building the capacity of employees and students to make sustainable changes in their lives and at work

- Diversity: ensuring that a variety of individuals are invited to the table to share multiple backgrounds, perspectives, and priorities during the creation of sustainable solutions at UCM

- Climate resiliency: assessing the risks posed by climate change to UCM, understanding climate change's impacts on life and infrastructure such as extreme weather events, and flooding and developing a plan to address the risks identified

"Our Journey So Far"

- Pre 2020: Environmental Group

- 2021 AoC Green College Commitment

- 2022: UCM's Sustainability Ideas Storming exercise
  - Sustainability Group formed – access to limited student & staff voice
  - The first draft of the Sustainability Development Model
  - Feedback on the proposal from Managers
  - Second Draft
  - Feedback from Governors

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- 2023: Third draft
  - Feedback from the Sustainability Group
  - Feedback from Managers
  - Feedback from Governors
  - Feedback surveys from students and staff
  - Working documents produced
  - Soft internal launch with inaugural meetings with some key theme groups in June/July
  - Official launch October 2023.

Strategic Statement

Sustainable development means that when meeting the needs of the present, we do not compromise the ability of future generations to meet their own needs;

Being sustainable is about everything we do –

We want to reduce our carbon footprint, use resources carefully, reuse and recycle.

We aim to:

- operate facilities and carry out activities with minimum impact on the environment;

- empower students and staff to be sustainable in their careers and lives;

- contribute to knowledge transfer and research that assists our Island to be sustainable.

We will ask when making any decision:

1. Can we do this more sustainably?
2. What can we do to make this activity more sustainably positive?

Key Drivers:

- Isle of Man Climate Change Act 2021
- Climate Change (Public Bodies Reporting Requirements) Regulations 2022
- Climate Change (Single Use Plastic) Regulations 2022
- The Isle of Man: Our Island Plan 2023
- Isle of Man Climate Change Plan 2022-27
- Isle of Man Economic Strategy 2022-32
- UNESCO Biosphere Isle of Man's Vision and Strategy, 2021-2026
- DESC Strategic Plan 2021-26
- UCM Strategic Plan 2023-27; and

Our Model:

A more sustainable UCM

Policies & Procedures developed around reducing our carbon footprint, using resources carefully, improving our reusing and recycling capacities.

Leadership, Staff & Governance	Learning, Research & Students	Estates & Operations	Partnerships & Engagement	Shared Task Activities

Key activities to stretch and challenge our students, staff, suppliers and visitors.
KPI's are determined by each group to meet the milestones set by the Delivery Plan.

Our Model's Key Themes in detail (1)

Leadership, Staff and Governance:
Responsibility for: the sustainability development model, delivery plan, key performance indicators, monitoring & compliance, external reporting and emerging issues, providing support for the key theme groups and providing resources. Communicating any items that are deemed as noteworthy by each workgroup and coordinating this via UCM's Marketing Team. **Enables**

Leadership, Staff & Governance

Learning, Research and Students:
Responsibility for: Embedding sustainability and enabling students and staff to contribute towards sustainability. Through education/training for staff CPD and student activities/programmes/tutorials. Engaging students and staff in research projects that complement the sustainability development model. **Empowers**

Learning, Research & Students

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Our Model's Key Themes in detail (2)

Estates & Operations

Estates & Operations:
Responsibility for: A sustainability-resistant college, through identifying UCM's carbon footprint and identifying emissions and developing waste reduction strategies.

Evolves

Partnerships & Engagement

Partnerships and Engagement:
Responsibility for: Developing, fostering and promoting a culture of sustainability internally and externally. Interfacing with the local community, public and businesses, establishing links with contractors/suppliers that promote sustainability through their activities and communicating UCM's sustainability development model.

Encourages

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Our Model's Key Themes in detail (3)

Shared Task Activities

Shared Team Activities:

Responsibility for: Contributing towards the data collection activities across the sustainability development model. Through the collaboration between the heads of each key theme and preparing standardised reporting methods for the workgroups. Provides a framework that examines UCM's progress through the model's life cycle.

Ensures

Senior Leadership Team

Joanne Richardson
VICE PRINCIPAL
QUALITY AND CURRICULUM

Learning, Research and Students

Pamela Berry
HEAD OF LEARNING DEVELOPMENT
AND PARTNERSHIPS

Partnership and Engagement

Rom Kesa
HEAD OF INTERNAL
OPERATIONS

Estates and Operations

Geoff Chatwood
VICE PRINCIPAL
STUDENTS AND ENVIRONMENT

Leadership, Staff and Governance

Shared Team Activities

Leadership, Staff & Governance   Learning, Research & Students   Estates & Operations   Partnerships & Engagement   Shared Task Activities
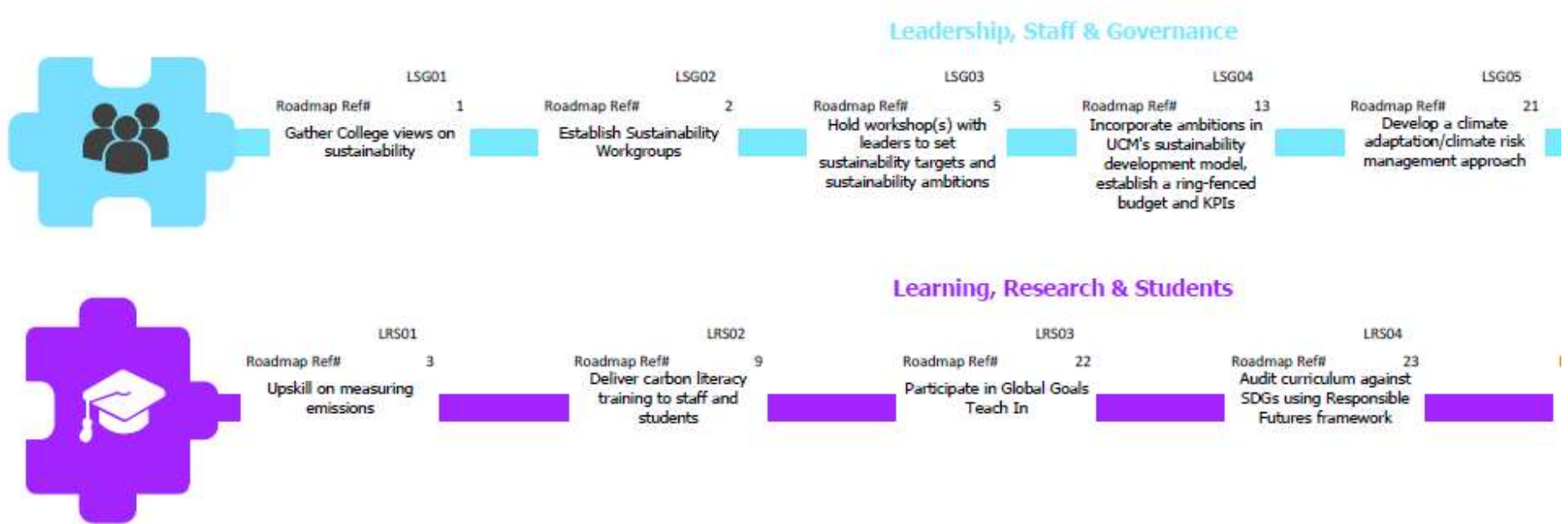
Each key theme will have activities that they need to achieve

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Leadership, Staff & Governance

LSG01
Roadmap Ref# 1
Gather College views on sustainability

LSG02
Roadmap Ref# 2
Establish Sustainability Workgroups

LSG03
Roadmap Ref# 5
Hold workshop(s) with leaders to set sustainability targets and sustainability ambitions

LSG04
Roadmap Ref# 13
Incorporate ambitions in UCM's sustainability development model, establish a ring-fenced budget and KPIs

LSG05
Roadmap Ref# 21
Develop a climate adaptation/climate risk management approach

Learning, Research & Students

LRS01
Roadmap Ref# 3
Upskill on measuring emissions

LRS02
Roadmap Ref# 9
Deliver carbon literacy training to staff and students

LRS03
Roadmap Ref# 22
Participate in Global Goals Teach In

LRS04
Roadmap Ref# 23
Audit curriculum against SDGs using Responsible Futures framework

LSG01	LSG02	LRS01	STA01	LSG03	STA02	P&E01	E&O01	LRS02
Roadmap Ref# 1	Roadmap Ref# 2	Roadmap Ref# 3	Roadmap Ref# 4	Roadmap Ref# 5	Roadmap Ref# 6	Roadmap Ref# 7	Roadmap Ref# 8	Roadmap Ref# 9
Gather College views on sustainability	Establish Sustainability Workgroups	Upskill on measuring emissions	Measure college carbon footprint using existing data	Hold workshop(s) with leaders to set sustainability targets and sustainability ambitions	Publish UCM Targets	Sign Race to Zero for Universities and Colleges	Ensure recycling/ signage is available in every building	Deliver carbon literacy training to staff and students

STA04	E&O04	E&O03	P&E03	LSG04	STA03	P&E02	E&O02
Roadmap Ref# 17	Roadmap Ref# 16	Roadmap Ref# 15	Roadmap Ref# 14	Roadmap Ref# 13	Roadmap Ref# 12	Roadmap Ref# 11	Roadmap Ref# 10
Align with the UN's Sustainability Development Goals	Set and implement targets to reduce waste on campus by 50-75%	Implement new travel policy to reduce off island travel	Establish climate action network with local council	Incorporate ambitions in UCM's sustainability development model, establish a ring-fenced budget and KPIs	Develop and implement plan to measure Scope 3 emissions	Sign the SDG Accord	Implement strategies to reduce energy consumption

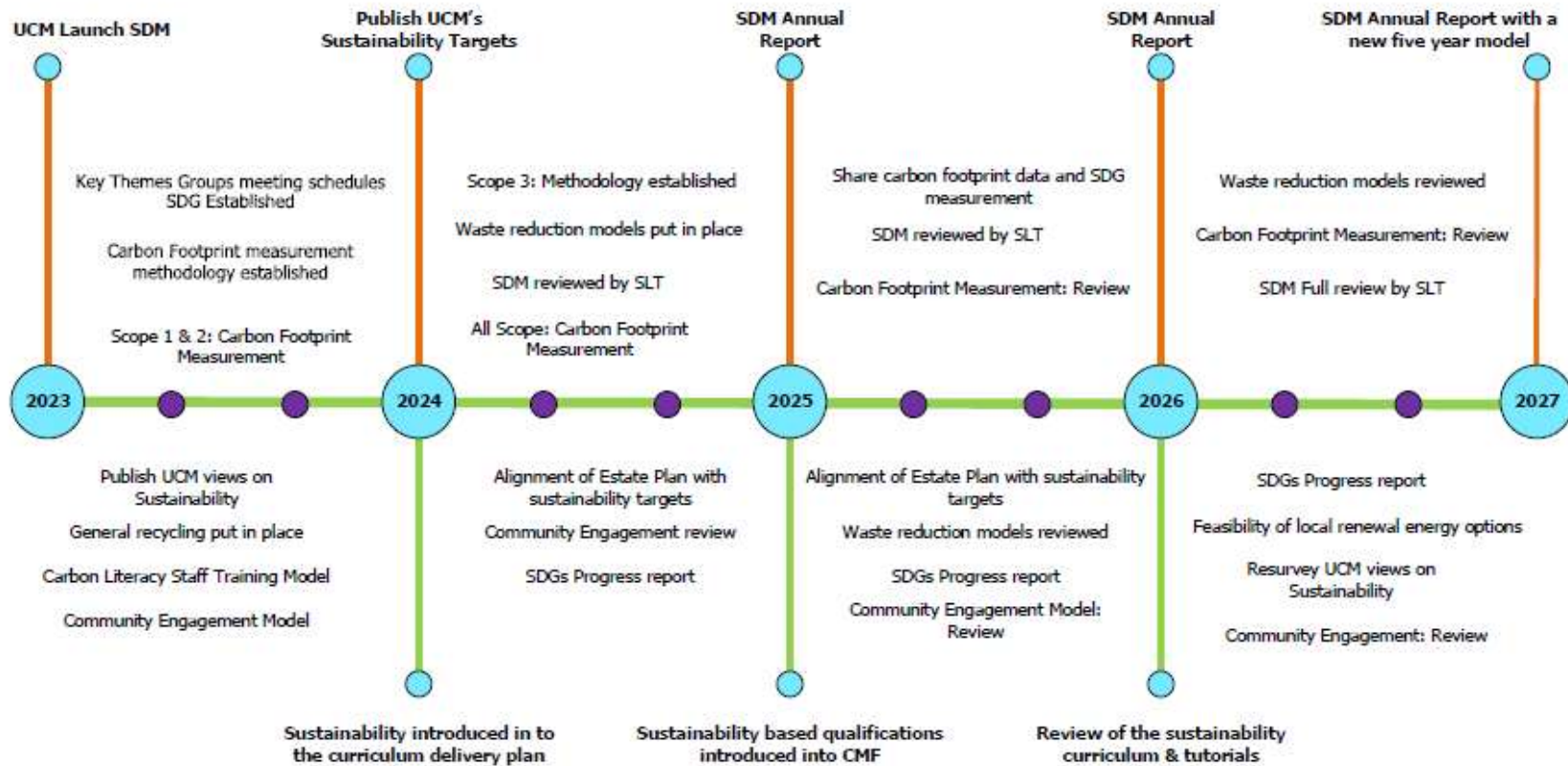| P&E04	E&O05	E&O06	LSG05	LRS03	LRS04	LSG06	LSG07
Roadmap Ref# 18	Roadmap Ref# 19	Roadmap Ref# 20	Roadmap Ref# 21	Roadmap Ref# 22	Roadmap Ref# 23	Roadmap Ref# 24	Roadmap Ref# 25
Negotiate with food suppliers for sustainable food options	Determine support for sustainability projects with DESC, DoI and GTS	Modify estates strategy in-line with sustainability goals/ ambitions	Develop a climate adaptation/climate risk management approach	Participate in Global Goals Teach In	Audit curriculum against SDGs using Responsible Futures framework	Embed climate responsibility into staff development	Incorporate sustainability into governance arrangements

P&E06	LRS06	LRS05	STA06	STA05	P&E05	E&O08	E&O07
Roadmap Ref# 33	Roadmap Ref# 32	Roadmap Ref# 31	Roadmap Ref# 30	Roadmap Ref# 29	Roadmap Ref# 28	Roadmap Ref# 27	Roadmap Ref# 26
Apply for Green Gown or AoC Beacon Award	Introduce a curriculum that supports growing sustainability/green industries	Train teaching staff to incorporate sustainability into curriculum for all courses	Share carbon footprint data collection approach with other colleges	Report Key Performance Indicators for sustainability	Work with local community/council/ businesses to improve local biodiversity	Develop a travel policy that reduces emissions from commuting to/ from sites	Implement renewable energy on a part of/all of the estate

SDM's Draft Delivery Plan:

UCM Launch SDM

Key Themes Groups meeting schedules SDG Established

Carbon Footprint measurement methodology established

Scope 1 & 2: Carbon Footprint Measurement

2023

Publish UCM views on Sustainability

General recycling put in place

Carbon Literacy Staff Training Model

Community Engagement Model

Publish UCM's Sustainability Targets

Scope 3: Methodology established

Waste reduction models put in place

SDM reviewed by SLT

All Scope: Carbon Footprint Measurement

2024

Alignment of Estate Plan with sustainability targets

Community Engagement review

SDGs Progress report

Sustainability introduced in to the curriculum delivery plan

SDM Annual Report

Share carbon footprint data and SDG measurement

SDM reviewed by SLT

Carbon Footprint Measurement: Review

2025

Alignment of Estate Plan with sustainability targets

Waste reduction models reviewed

SDGs Progress report

Community Engagement Model: Review

Sustainability based qualifications introduced into CMF

SDM Annual Report

Waste reduction models reviewed

Carbon Footprint Measurement: Review

SDM Full review by SLT

2026

SDGs Progress report

Feasibility of local renewal energy options

Resurvey UCM views on Sustainability

Community Engagement: Review

Review of the sustainability curriculum & tutorials

SDM Annual Report with a new five year model

2027

The makeup of the groups

Leadership, Staff and Governance Group:

Lead: SLT: VP Students & Environment

Membership:

UCM SLT Sustainability Leads
Governing Body Representative
Central Services Representative
Student Council President
Curriculum Representatives

Guests:
Principal
Student Services Manager
Office Human Resources
Learning & Development Partner
Head of Marketing
HR Manager

Learning, Research & Students:

Lead: SLT: VP Curriculum and Quality

Membership:

Head of Faculties
Head of Student Services
Student Council Representative
H.E. Manager
Library Manager

Guests:
Learning & Development Partner
Prison Education Manager
Curriculum Staff
Teaching & Learning Mentors

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Estates and Operations

Lead: Head of Internal Operations:
Membership:
Head of Facilities Management
Site Manager
Student Council Representative
MIS Manager/ Team Leader

Guests
Exams Manager
SENCo
Student Services Representative
DoI, GTS, DESC Representatives

Partnerships and Engagement:

Lead: SLT: Head of Learning
Developments and Partnerships
Membership:
Student Services Representative
S2B Manager
Student Council Representative
Finance Team Leader
Head of Marketing

Guests
CMT Representative(s)

Shared Team Activities

Lead: SLT: VP Students & Environment
Membership:
UCM SLT Sustainability Leads

Guests:
Various depending upon the agenda

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Last update – 2nd October 2023

Theme: Leadership, Staff and Governance
Lead – Geoff Chatwood
Section One: Key Theme Activities (Fixed Format):

Priority: Low/Medium/High
Status: Not Started/Started/Complete
Progress: 0% to 100%

Activity	Description	Priority	Status	Progress	Started	Completed	Remarks
LSG01	Gather College views on sustainability	H	S	80%	02/11/22		
LSG02	Establish Sustainability Workgroups	H	S	50%	15/03/23		
LSG03	Hold workshop(s) with leaders to set sustainability targets and sustainability ambitions						
LSG04	Incorporate ambitions in UCM's sustainability development model, establish a ring-fenced budget and KPIs	H	S	50%	28/08/23		
LSG05	Develop a climate adaptation/climate risk management approach						
LSG06	Embed climate responsibility into staff development	H	S	30%	3/06/23		
LSG07	Incorporate monitoring & compliance and share information internally and externally						
STA01	Measure college carbon footprint using existing data	H	S	20%	22/09/23		
STA04	Align with the UN's Sustainability Development Goals						
STA05	Report Key Performance Indicators for sustainability						

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The group will have autonomy on how to achieve their key activities:

Section Two: How to get there (Open Format):

LSG 01 – Gather views on sustainability

Ref:	Task	Responsible	Priority	Status	Start	End	Remarks
1.01	Determine multiple ways of measuring students' and staff's views of sustainability.	Group	H	100%	2/11/22	12/01/23	
1.02	Establish some "Killer facts"	GC & RK	H	100%	2/11/22	29/03/23	Shared with Marketing
1.03	Development of questionnaires	MD & Group	H	100%	21/01/23	29/03/23	Shared with Group
1.04	Promotion of surveys	RL	H	100%	29/03/23	24/04/23	
1.05	Data analysis	GC & MD & JR	H	100%	19/05/23	3/07/23	
1.06	Reporting of data	GC & RL	H	100%	4/07/03	18/09/23	For launch date

United Nations Sustainability Development Goals Guidance Example:

3: Good Health & Wellbeing

Focus: Research on the key conditions and diseases that have a disproportionate impact on health outcomes across the world. UCM's support for healthcare professions and the health of students and staff.

Education:
Health & wellbeing related programmes
Tutorials which include sex and mental health to support students and staff (where appropriate)

Policy:
Student health & wellbeing
Policies that promote wellbeing such as anti-bullying and harassment, smoke-free, etc.

Relationships:
Access to sexual and reproductive healthcare services for students
Access to mental health support for students and staff
Access to sports facilities
Collaborate with organisations/health institutions to improve health and well-being

Research: Any UCM-published research paper that could cover this SDG?

Metrics/KPIs:
Data that shows participation in any number of education initiatives.
Monitoring all wellbeing activities, participation levels and outcomes.
Summary reports on collaborative programmes, including the range/amount of support given.

Case studies:

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Monitoring & Reporting

- SLT will monitor the progress of the sustainability development model and provide feedback to the work groups;

- UCM will complete reports required by DESC and/or the Climate Change Act;

- SLT will review the progress and provide an annual report to our Board of Governors;

- Media releases throughout the Model's lifespan.

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Progress to date:

- Model introduced
- Key theme groups are now operational and action plans updated
- Initial measuring of stakeholders' views
- Carbon Literacy training
- Identification and measurement of some areas of consumption/recycling
- Development of student tutorials and curriculum
- Increased use of digital assessment and teaching
- Engagement of sustainable practices within the curriculum

"A more sustainable UCM that contributes to the Island's climate change initiatives."

Any Questions?

[Live Action Plans](#)