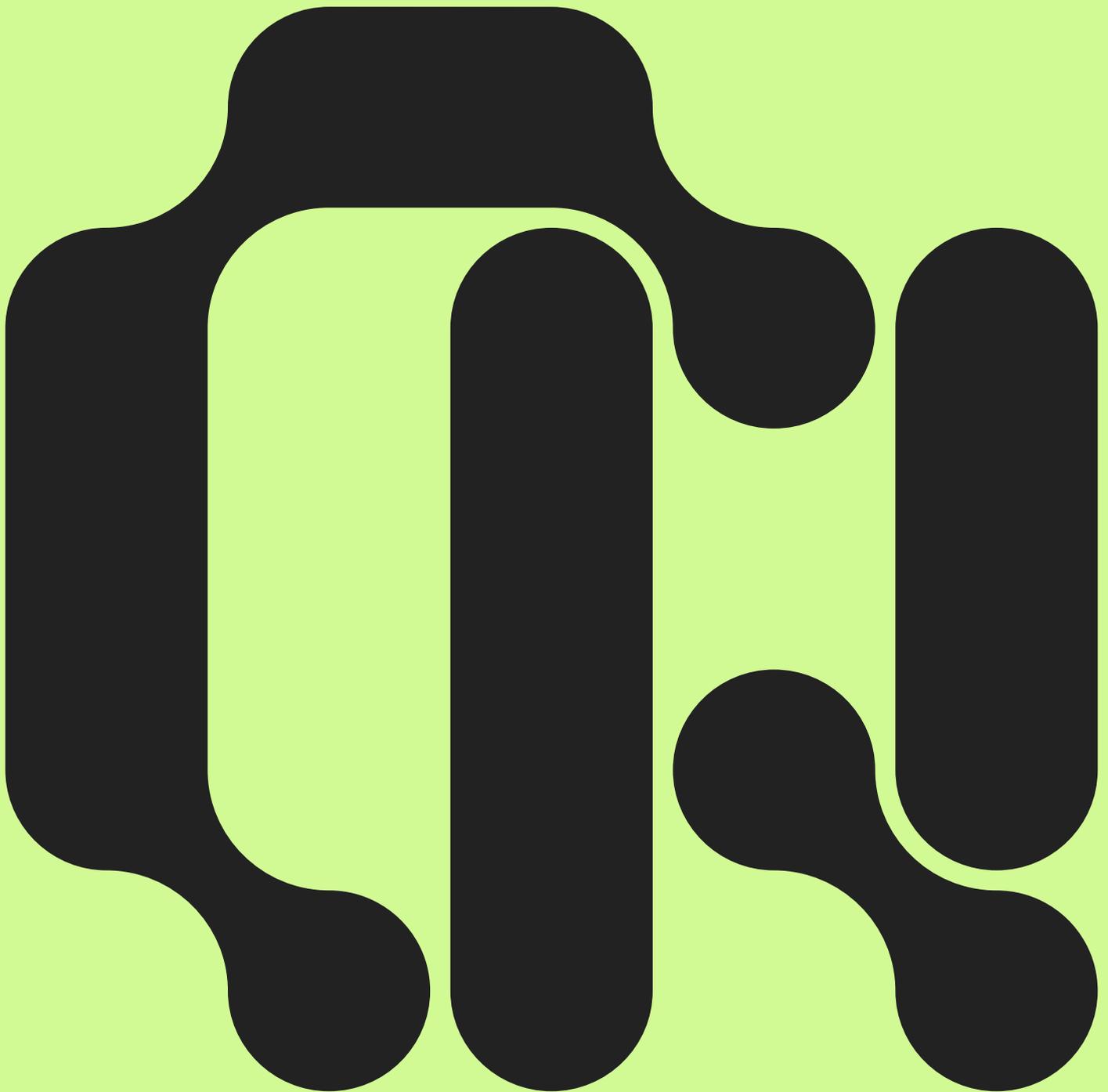


# Climate Action Roadmap 2030



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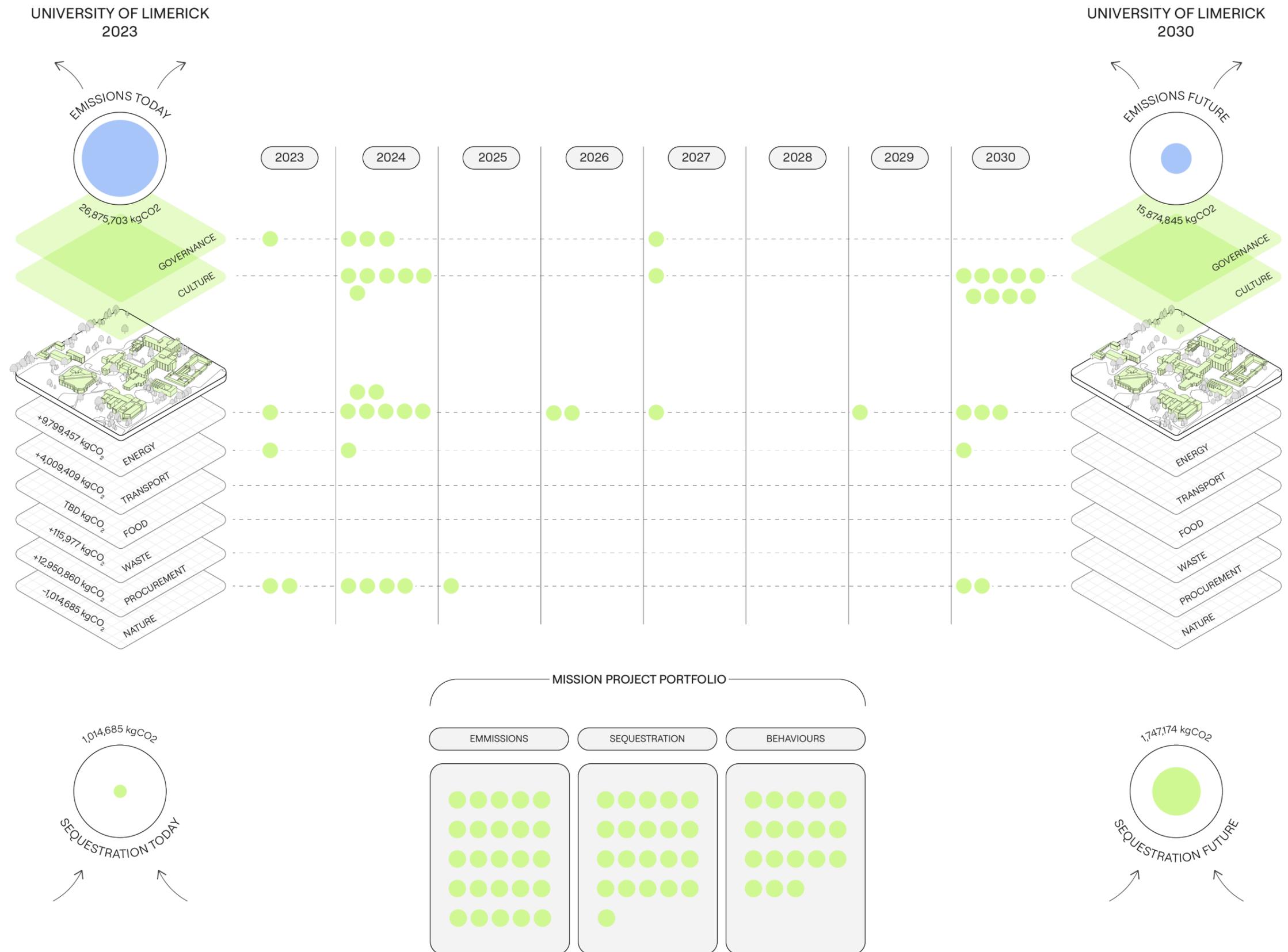
## Introduction

This document serves as an update on the progress of the projects delineated in the Climate Action Roadmap 2030. It is solely dedicated to tracking and reporting on these projects. For comprehensive details or queries regarding the university's overarching sustainability strategy or the roadmap itself, we kindly direct the readers to the original Climate Action Roadmap document which is available on [ul.ie/sustainability](http://ul.ie/sustainability).

This document has been co-created by **UL Centre for Sustainable Futures & Innovation** and **UL Buildings & Estates**, in collaboration with strategic design partner **Saol**. It was created through an open and participatory process, ensuring the diverse range of perspectives and disciplines within our university were included at each stage of development.

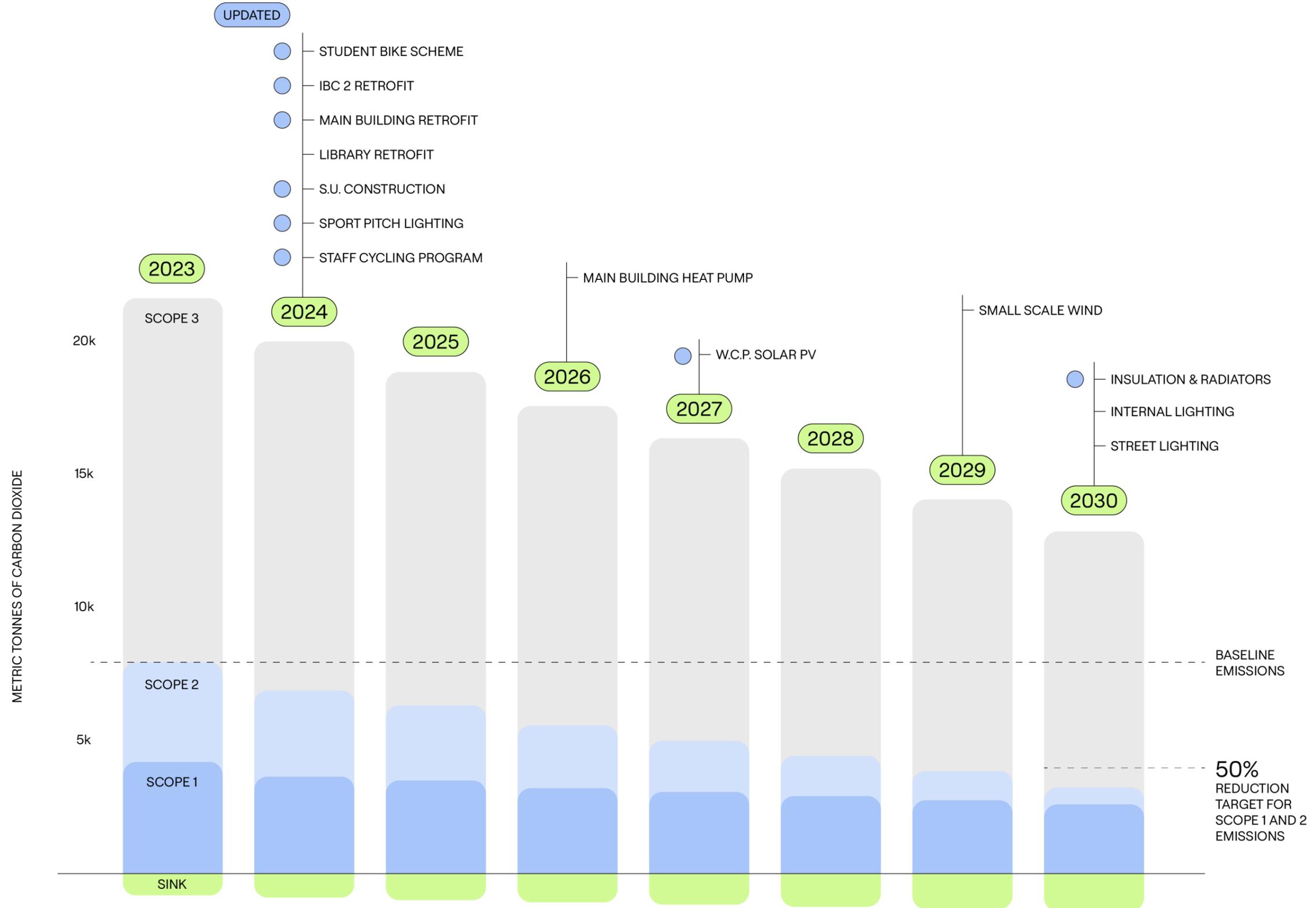


# Transition Pathway



# Climate Action Roadmap

While University of Limerick has no changes in emissions data to report on, the status of many emissions reducing and sequestering projects around campus have progressed. Throughout this document status updates are signified with blue graphic assets such as these:



# Digital Twin Pilot

The digital twin, currently in its pilot phase, redefines our sustainability reporting by showcasing real-time data on a dynamic platform. It presents an interactive 3D view of our campus, highlighting energy performance, carbon footprint, and emissions. Users can explore detailed data for each building. More than a data tool, its presence on campus touchscreens aims to inspire a sustainability-focused culture and encourage active participation in our initiatives.



# Mission Projects

## Reduce Emission

### IBC Block 2 Retrofit

UPDATED

This project will see windows and lighting upgraded, boilers replaced (with a series of low temperature heat pumps), additional wall insulation fitted and roof-mounted solar panels installed.

#### EMISSION REDUCTION



#### PROJECT STATUS

Ongoing

#### FUNDING SOURCES

Higher Education Authority (Energy Efficiency Decarbonisation Pathfinder Programme)  
UL Sustainability / Decarbonisation Fund (TBC)

#### OWNERS & PARTNERS

Buildings and Estates  
HEA  
SEAI

#### RELATED MISSIONS

Carbon Neutral Campus  
Self-Powered Campus

FORECAST COMPLETION YEAR On track



#### SOLUTIONS

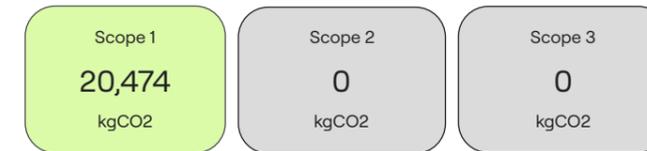
- HIGH EFFICIENCY HEAT PUMPS
- INSULATION UPGRADES
- SMART METERING
- LED LIGHTING
- SOLAR PHOTOVOLTAICS
- HIGH PERFORMANCE GLASS

### Insulation & Radiator Upgrade

UPDATED

This project will see uninsulated pipework and valves in boiler houses fitted with lagging jackets. Furthermore fan assisted nZEB radiators which are circa 10% more efficient than existing steel panel radiators will be trialed with a view to deploying at a larger scale if successful.

#### EMISSION REDUCTION



#### PROJECT STATUS

Awaiting Confirmation

#### FUNDING SOURCES

UL Sustainability / Decarbonisation Fund (TBC)

#### OWNERS & PARTNERS

Buildings and Estates

#### RELATED MISSIONS

Carbon Neutral Campus

FORECAST COMPLETION YEAR



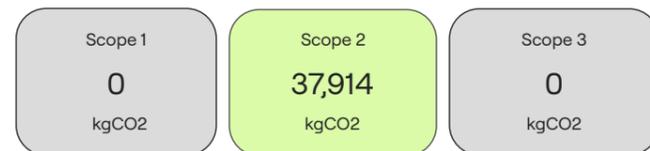
#### SOLUTIONS

- BUILDING RETROFIT
- INSULATION UPGRADES

### Campus Street Lighting Upgrade

This project will see street lighting on campus replaced with high efficiency LED upgrades. Sample projects will be undertaken to determine the most cost efficacious methods of upgrading to LED.

#### EMISSION REDUCTION



#### PROJECT STATUS

Proof of Concept

#### FUNDING SOURCES

UL Sustainability / Decarbonisation Fund (TBC)

#### OWNERS & PARTNERS

Buildings and Estates

#### RELATED MISSIONS

Carbon Neutral Campus

FORECAST COMPLETION YEAR



#### SOLUTIONS

- LED LIGHTING

### Campus Internal Lighting Upgrade

This project will see street lighting on campus replaced with high efficiency LED upgrades. Sample projects will be undertaken to determine the most cost efficacious methods of upgrading to LED.

#### EMISSION REDUCTION



#### PROJECT STATUS

Proof of Concept

#### FUNDING SOURCES

UL Sustainability / Decarbonisation Fund (TBC)

#### OWNERS & PARTNERS

Buildings and Estates

#### RELATED MISSIONS

Carbon Neutral Campus

FORECAST COMPLETION YEAR



#### SOLUTIONS

- LED LIGHTING

# Mission Projects

## Reduce Emissions

### Main Building Retrofit (Blocks C, D, E) UPDATED

This project will see the primary heat source for this building replaced with a high temperature heat pump, roof and wall insulation and lighting upgraded, and BMS, energy metering and solar panels installed.

#### EMISSION REDUCTION



#### FORECAST COMPLETION YEAR



#### SOLUTIONS

- HIGH EFFICIENCY HEAT PUMPS
- INSULATION UPGRADES
- SMART METERING
- LED LIGHTING
- SOLAR PHOTOVOLTAICS
- BUILDING AUTOMATION SYSTEMS

#### PROJECT STATUS

- Awaiting Funding

#### FUNDING SOURCES

- Higher Education Authority (Energy Efficiency)
- Decarbonisation Pathfinder Programme (TBC)
- UL Sustainability / Decarbonisation Fund (TBC)

#### OWNERS & PARTNERS

Buildings and Estates  
HEA  
SEAI

#### RELATED MISSIONS

Carbon Neutral Campus  
Self Powered Campus

### Western Car Park Solar Photovoltaics UPDATED

This project will see the Western Car Park, containing circa 350 car parking spaces, covered in photovoltaic solar panels. The installation will feed directly into adjacent buildings.

#### EMISSION REDUCTION



#### FORECAST COMPLETION YEAR



#### SOLUTIONS

- SOLAR PHOTOVOLTAICS

#### UPDATE

- Market consultation underway.

#### PROJECT STATUS

- Implementation

#### FUNDING SOURCES

UL Sustainability / Decarbonisation Fund (TBC)

#### OWNERS & PARTNERS

Buildings and Estates

#### RELATED MISSIONS

Carbon Neutral Campus  
Self Powered Campus

### Library Building Retrofit UPDATED

This project will see streetlighting on campus replaced with high efficiency LED upgrades. Sample projects will be undertaken to determine the most cost efficacious methods of upgrading to LED.

#### EMISSION REDUCTION



#### FORECAST COMPLETION YEAR



#### SOLUTIONS

- HIGH EFFICIENCY HEAT PUMPS
- INSULATION UPGRADES
- SMART METERING
- LED LIGHTING
- SOLAR PHOTOVOLTAICS
- BUILDING AUTOMATION SYSTEMS

#### PROJECT STATUS

- Awaiting Funding

#### FUNDING SOURCES

- Higher Education Authority (Energy Efficiency)
- Decarbonisation Pathfinder Programme (TBC)
- UL Sustainability / Decarbonisation Fund (TBC)

#### OWNERS & PARTNERS

Buildings and Estates  
HEA  
SEAI

#### RELATED MISSIONS

Carbon Neutral Campus  
Self Powered Campus

### Small Scale Wind UPDATED

To complement the deployment of photovoltaic on campus, this project will see small scale wind turbines on site, if and where feasible.

#### EMISSION REDUCTION



#### FORECAST COMPLETION YEAR



#### SOLUTIONS

- MICRO WIND TURBINES

#### UPDATE

- Small-scale wind to be considered as part of campus-wide decarbonisation.

#### PROJECT STATUS

Concept

#### FUNDING SOURCES

UL Sustainability / Decarbonisation Fund (TBC)

#### OWNERS & PARTNERS

Buildings and Estates

#### RELATED MISSIONS

Carbon Neutral Campus  
Self Powered Campus

# Mission Projects

## Reduce Emissions

### North Bank Sports Pitches Lighting

UPDATED

This project will see pitch lighting on UL's north campus replaced with high efficiency LED upgrades. Careful consideration will be given to the most cost efficacious method of upgrading to LED.

EMISSION REDUCTION



FORECAST COMPLETION YEAR



SOLUTIONS

- BUILDING AUTOMATION SYSTEM
- LED LIGHTING

PROJECT STATUS

- Funding Approved

FUNDING SOURCES  
PCC

OWNERS & PARTNERS  
Buildings and Estates  
PCC

RELATED MISSIONS  
Carbon Neutral Campus

### Inclusive Sustainable Cycling

UPDATED

The e-bike research project to encourage modal shift in behaviours towards more sustainable transport forms. Scheme provides e-bikes free of charge to staff at the university of Limerick, to trial them over a period of 6-12 weeks.

EMISSION REDUCTION



FORECAST COMPLETION YEAR



SOLUTIONS

- BICYCLE INFRASTRUCTURE

UPDATE

- Preliminary findings due 2024.

PROJECT STATUS

- Implementation

FUNDING SOURCES  
Department of Transport  
SEAI

OWNERS & PARTNERS  
School of Allied Health  
Department of Electronics and  
Computer Engineering  
Healthy UL

RELATED MISSIONS  
Active Mobility Campus  
Carbon Neutral Campus

### Main Building Retrofit (Blocks A, B)

UPDATED

This project will see the primary heat source for this building replaced with a high temperature heat pump.

EMISSION REDUCTION



FORECAST COMPLETION YEAR



SOLUTIONS

- HIGH EFFICIENCY HEAT PUMPS
- SMART METERING

UPDATE

- Part of Blocks A & B to be upgraded as part of the Higher Education Strategic Infrastructure Fund. Procurement of Design Team stage.

PROJECT STATUS

- Design/Decision

FUNDING SOURCES  
UL Sustainability / Decarbonisation Fund (TBC)

OWNERS & PARTNERS  
Buildings and Estates

RELATED MISSIONS  
Carbon Neutral Campus

### New Student Centre Construction

UPDATED

This project will an NZEB building constructed to provide a space where students can relax, chill, party, play, be informed, be advised, supported, network and live life.

EMISSION REDUCTION



FORECAST COMPLETION YEAR On track



SOLUTIONS

- HIGH EFFICIENCY HEAT PUMPS
- HIGH PERFORMANCE GLASS
- SMART METERING
- LED LIGHTING
- SOLAR PHOTOVOLTAICS

PROJECT STATUS

- Implementation

FUNDING SOURCES  
Student Levy  
University of Limerick  
PCC

OWNERS & PARTNERS  
Buildings and Estates  
Student Life

RELATED MISSIONS  
Carbon Neutral Campus  
Campus Tribe  
Egalitarian University

# Mission Projects

## Reduce Emissions

### Sustainable Student Bike Rental Scheme UPDATED

This project aims to encourage students to use more sustainable modes of transport and reduce traffic on campus. It provides a bike for a student for a semester or longer, for a minimum fee.

#### AREA OF CHANGE



#### FORECAST COMPLETION YEAR



#### SOLUTIONS

BICYCLE INFRASTRUCTURE

#### UPDATE

- Dockless NEXTbike by Tier in operation on campus. Free bike rental scheme to be rolled out by Healthy Campus. Plan agreed to locate 58 docked NTA bicycles on campus.

#### PROJECT STATUS

- Implementation

#### FUNDING SOURCES

Devolved Grant

#### OWNERS & PARTNERS

Healthy UL  
Environmental Committee

#### RELATED MISSIONS

Active Mobility Campus

# Mission Projects

## Increase Sequestration

### Small Scale Green Houses

UL has currently got a number of green houses on campus, this project will see them rejuvenated and used as a growing space on campus to encourage participation and enable hands-on-learning.

#### CARBON ABSORBED



#### FORECAST COMPLETION YEAR



#### SOLUTIONS



#### PROJECT STATUS

Concept

#### FUNDING SOURCES

UL Sustainability Fund (TBC)

#### OWNERS & PARTNERS

Buildings and Estates

#### RELATED MISSIONS

Agrihood Campus  
Carbon Neutral Campus  
Biodiverse Campus

### Biophilic Library Pilot

Biophilic design is a concept used within the building industry to increase occupant connectivity to the natural environment through the use of direct nature, indirect nature, and space and place conditions.

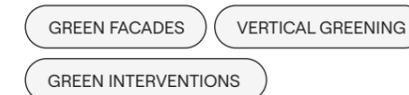
#### CARBON ABSORBED



#### FORECAST COMPLETION YEAR



#### SOLUTIONS



#### PROJECT STATUS

Design/Decision

#### FUNDING SOURCES

UL Sustainability Fund (TBC)

#### OWNERS & PARTNERS

University Library  
Centre for Sustainable Futures and Innovation  
Green Campus Office

#### RELATED MISSIONS

Biophilic Campus  
Carbon Neutral Campus  
Biodiverse Campus

### Green Roofs

UPDATED

Green roofs have a direct positive influence on local biodiversity. UL is planning to leverage its roof top spaces on campus by building and expanding on its current roof top garden.

#### CARBON ABSORBED



#### FORECAST COMPLETION YEAR



#### SOLUTIONS



#### UPDATE

- Green roof spaces identified around campus by Buildings & Estates. Kemmy Business School at preliminary design stage. Funding secured by president for Main Building roof garden.

#### PROJECT STATUS

● Design/Decision

#### FUNDING SOURCES

UL Sustainability Fund (TBC)

#### OWNERS & PARTNERS

Environmental Committee  
Centre for Sustainable Futures and Innovation

#### RELATED MISSIONS

Agrihood Campus  
Carbon Neutral Campus  
Biophilic Campus

### Meadowland Rewilding

UPDATED

Rewilding is a progressive approach to conservation. It's about letting nature take care of itself, enabling natural processes to shape land and sea, repair damaged ecosystems and restore degraded landscapes.

#### CARBON ABSORBED



#### FORECAST COMPLETION YEAR



#### SOLUTIONS



#### UPDATE

- High-visibility land managed as meadows in accordance with All Ireland Pollinator Plan 2021 - 2025.

#### PROJECT STATUS

● Implementation

#### FUNDING SOURCES

UL Sustainability Fund (TBC)

#### OWNERS & PARTNERS

Buildings and Estates  
Centre for Sustainable Futures and Innovation  
UL Apiary

#### RELATED MISSIONS

Biodiverse Campus  
Biophilic Campus  
Carbon Neutral Campus

# Mission Projects

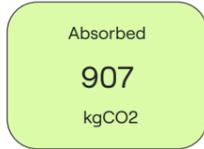
## Increase Sequestration

### Arboretum Status

UPDATED

UL is applying to to Arboretum Accreditation Program that provides standards for the establishment and development of an official or bona fide arboretum.

CARBON ABSORBED



FORECAST COMPLETION YEAR



SOLUTIONS

- GREEN SPACE MANAGEMENT
- WOODLAND PROTECTION

UPDATE

- Terms of Reference for Arboretum Council approved by Executive.

PROJECT STATUS

Design/Decision

FUNDING SOURCES

UL Sustainability Fund (TBC)

OWNERS & PARTNERS

Buildings and Estates

RELATED MISSIONS

- Biodiverse Campus
- Biophilic Campus
- Carbon Neutral Campus

### Pollinator Plan

UPDATED

UL continues to work to integrate and connect our campus with the National Pollinator Plan. Our focus is on increasing pollinator friendly planting and habitats on campus.

CARBON ABSORBED



FORECAST COMPLETION YEAR



SOLUTIONS

- POLLINATOR PROGRAMMES

UPDATE

- Memorial garden installed with pollinator friendly planting.

PROJECT STATUS

Implementation

FUNDING SOURCES

UL Sustainability Fund (TBC)

OWNERS & PARTNERS

- Buildings and Estates
- Centre for Sustainable Futures and Innovation

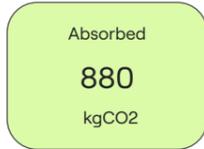
RELATED MISSIONS

- Biodiverse Campus
- Biophilic Campus
- Carbon Neutral Campus

### Campus Orchard

An orchard of fruit trees have been planted in an area to the east of Plassey House in a manner reflective of traditional parkland. It is situated in an area to take full benefit of natural light.

CARBON ABSORBED



FORECAST COMPLETION YEAR



SOLUTIONS

- URBAN ORCHARD
- WOODLAND PROTECTION
- POLLINATOR PROGRAMMES

PROJECT STATUS

Implementation

FUNDING SOURCES

UL Sustainability Fund (TBC)

OWNERS & PARTNERS

Buildings and Estates

RELATED MISSIONS

- Agrihood Campus
- Biophilic Campus
- Carbon Neutral Campus

### Native Tree Planting

UPDATED

UL is committed to planting new native trees every year to increase carbon sinks. Our goal is to gradually increase our 13% canopy cover.

CARBON ABSORBED



FORECAST COMPLETION YEAR



SOLUTIONS

- NATIVE SPECIES CONSERVATION
- GREEN SPACE MANAGEMENT

UPDATE

- x 50 Mature Tilla Cordata Lime trees planted.
- x 12 Mature Birch trees planted.

PROJECT STATUS

Implementation

FUNDING SOURCES

UL Sustainability Fund (TBC)

OWNERS & PARTNERS

Buildings and Estates

RELATED MISSIONS

- Biodiverse Campus
- Biophilic Campus
- Carbon Neutral Campus

# Mission Projects

## Change Behaviours

### Sustainability Dashboard

UPDATED

The dashboard project will work to build a data visualisation tool that will allow UL sustainability reporting to be open and transparent. Data will be published across multiple interconnected layers.

AREA OF CHANGE

Top-down  
**Governance**  
change

Bottom-up  
**Culture**  
change

PROJECT STATUS

Implementation

FUNDING SOURCES

Centre for Sustainable Futures and Innovation

FORECAST COMPLETION YEAR



OWNERS & PARTNERS

Centre for Sustainable Futures and Innovation  
Research Office/Research Institutes  
Centre for Transformative Learning  
UL Engage

SOLUTIONS

DIGITISATION REPORT

RELATED MISSIONS

Digital Campus Commons  
Mission Lab

### ESD Staff Program

UL staff will get an introduction to the concept of sustainability, as well as explore its relevance to HE. Staff will also identify and implement sustainability projects on campus.

AREA OF CHANGE

Top-down  
**Governance**  
change

Bottom-up  
**Culture**  
change

PROJECT STATUS

Approved

FUNDING SOURCES

Erasmus +

FORECAST COMPLETION YEAR



OWNERS & PARTNERS

Centre for Sustainable Futures and Innovation  
University of South-Eastern Norway  
Antwerpen University

SOLUTIONS

EDUCATION TRAINING

RELATED MISSIONS

Mission Lab  
Open Loop University  
Transition Governance Framework

### University Digital Twin

UPDATED

Digital model of the university campus infrastructure. It will be used to simulate, test and optimize various scenarios and outcomes.

AREA OF CHANGE

Top-down  
**Governance**  
change

Bottom-up  
**Culture**  
change

PROJECT STATUS

Implementation

FUNDING SOURCES

University of Limerick  
External Funds

FORECAST COMPLETION YEAR



OWNERS & PARTNERS

Centre for Sustainable Futures and Innovation

SOLUTIONS

DIGITISATION

RELATED MISSIONS

Digital Campus Commons  
Mission Lab  
Carbon Neutral Campus

UPDATE

- Kemmy Business School digital twin pilot delivered.

### ESD Student Program

These sessions are designed to engage students in the fundamentals of sustainability while demonstrating actionable ways of getting involved in sustainable development in their personal, professional, and academic lives.

AREA OF CHANGE

Top-down  
**Governance**  
change

Bottom-up  
**Culture**  
change

PROJECT STATUS

Concept

FUNDING SOURCES

Centre for Sustainable Future and Innovation

FORECAST COMPLETION YEAR



OWNERS & PARTNERS

Centre for Sustainable Futures and Innovation  
Clubs and Societies  
UL Faculty and Staff

SOLUTIONS

EDUCATION ACTION GROUP TRAINING

RELATED MISSIONS

Mission Lab  
Open Loop University

# Mission Projects

## Change Behaviours

### Green Campus Week

The annual week of activities and events in conjunction with An Taisce Green Campus' Green Campus Week.

#### AREA OF CHANGE

Top-down  
Governance change

Bottom-up  
Culture change

#### FORECAST COMPLETION YEAR



#### SOLUTIONS

PUBLIC EVENT

CAMPAIGN

#### PROJECT STATUS

Approved

#### FUNDING SOURCES

Centre for Sustainable Futures and Innovation

#### OWNERS & PARTNERS

Centre for Sustainable Futures and Innovation  
Environmental Committee  
Clubs and Societies  
Campus Green Office

#### RELATED MISSIONS

Campus Tribe

### Online Sustainability Community

Fostering an online community for students and staff to learn more about, and connect with, UL's sustainability portfolio and progress toward a sustainable university.

#### AREA OF CHANGE

Top-down  
Governance change

Bottom-up  
Culture change

#### FORECAST COMPLETION YEAR



#### SOLUTIONS

EDUCATION

SOCIAL MEDIA

#### PROJECT STATUS

Concept

#### FUNDING SOURCES

Centre for Sustainable Futures and Innovation

#### OWNERS & PARTNERS

Centre for Sustainable Futures and Innovation  
UL Marketing and Communications  
Virtual Learning Environment - Brightspace

#### RELATED MISSIONS

Mission Lab  
Open Loop University  
Campus Tribe

### Student Sustainability Workshops

Workshops run with students to understand student sentiment toward sustainability, and what initiatives or projects they would like to see UL prioritise and collectively take action on.

#### AREA OF CHANGE

Top-down  
Governance change

Bottom-up  
Culture change

#### FORECAST COMPLETION YEAR



#### SOLUTIONS

WORKSHOP

CONSULTATION

#### PROJECT STATUS

Concept

#### FUNDING SOURCES

Centre for Sustainable Futures and Innovation

#### OWNERS & PARTNERS

Centre for Sustainable Futures and Innovation  
Clubs and Societies

#### RELATED MISSIONS

Campus Tribe

### Sustainability Video Series

UPDATED

'Unsung Heroes' series of videos to bring to light the action oriented work that UL sustainability advocates are carrying out across campus.

#### AREA OF CHANGE

Top-down  
Governance change

Bottom-up  
Culture change

#### FORECAST COMPLETION YEAR



#### SOLUTIONS

EDUCATION

SOCIAL MEDIA

#### PROJECT STATUS

● Implementation

#### FUNDING SOURCES

UL Sustainability Fund (TBC)

#### OWNERS & PARTNERS

Buildings and Estates

#### RELATED MISSIONS

Mission Lab

#### UPDATE

● UL featured on Campus Living Labs series commissioned by the EPA.

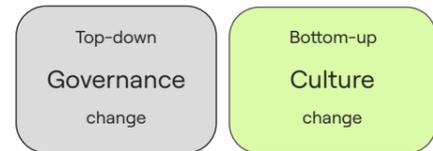
# Mission Projects

## Change Behaviours

### ESD Doctoral College

This doctoral program will focus on increasing students' understanding of sustainability, enabling meaningful interdisciplinary collaborations and taking action to address sustainability challenges.

#### AREA OF CHANGE



#### FORECAST COMPLETION YEAR



#### SOLUTIONS



#### PROJECT STATUS

Concept

#### FUNDING SOURCES

Centre for Sustainable Futures and Innovation  
YERUN  
Erasmus+

#### OWNERS & PARTNERS

Doctoral College  
Centre for Sustainable Futures and Innovation  
YERUN Network

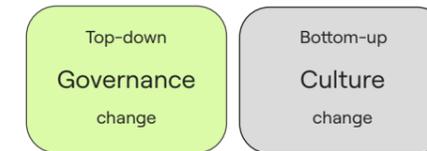
#### RELATED MISSIONS

Mission Lab  
Open Loop University

### Baseline Mapping Education

This project will work to map all UL education to the UN SDGs. Enabling us to identify gaps, measure progress, connect key projects and plan new mission-based learning projects.

#### AREA OF CHANGE



#### FORECAST COMPLETION YEAR



#### SOLUTIONS



#### PROJECT STATUS

Concept

#### FUNDING SOURCES

Centre for Sustainable Futures and Innovation

#### OWNERS & PARTNERS

Centre for Transformative Learning  
Centre for Sustainable Futures and Innovation  
Mission Lab

#### RELATED MISSIONS

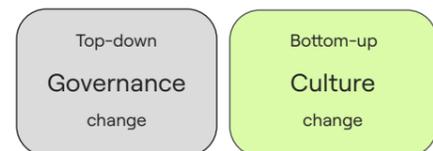
Digital Campus Commons  
Mission Driven Learning  
Sustainability Dashboard

### Citizens Assembly

UPDATED

Safe and respectful space for citizens to come together and discuss SDG focused Actions for Limerick. To provide a public focus on sustainability and SDG action in UL. Opportunity for UL staff and students to develop their public engagement skills and experience.

#### AREA OF CHANGE



#### FORECAST COMPLETION YEAR



#### SOLUTIONS



#### UPDATE

- Took place May 25th 2023.  
[Citizens Assembly](#)

#### PROJECT STATUS

● Implementation

#### FUNDING SOURCES

UL Engage

#### OWNERS & PARTNERS

UL Engage  
Limerick City and County Council  
Limerick Public Participation Network  
Comhairle na nóg

#### RELATED MISSIONS

Citizens Mission Council  
Transition Governance Framework

### Baseline Mapping Research

This project will work to map all UL research to the UN SDGs. Enabling us to identify gaps, measure progress, connect key projects and plan new mission-based research projects.

#### AREA OF CHANGE



#### FORECAST COMPLETION YEAR



#### SOLUTIONS



#### PROJECT STATUS

Implementation

#### FUNDING SOURCES

Centre for Sustainable Futures and Innovation

#### OWNERS & PARTNERS

Centre for Sustainable Futures and Innovation

#### RELATED MISSIONS

Digital Campus Commons

# Mission Projects

## Change Behaviours

### Baseline Mapping Community

This project will work to map all community based initiatives connected with the UN SDGs. Enabling us to identify gaps, measure progress, connect key projects and plan new mission-based initiatives with the wider community.

#### AREA OF CHANGE

Top-down  
**Governance**  
change

Bottom-up  
**Culture**  
change

#### FORECAST COMPLETION YEAR



#### SOLUTIONS

AUDIT REPORT

#### PROJECT STATUS

Concept

#### FUNDING SOURCES

Centre for Sustainable Futures and Innovation

#### OWNERS & PARTNERS

Centre for Sustainable Futures and Innovation  
UL Engage  
Technology Transfer Office

#### RELATED MISSIONS

Digital Campus Commons  
Citizens Mission Council

### Baseline Mapping Biodiversity

UPDATED

A biodiversity baseline study is the collection and interpretation of information on the biodiversity values at a site; this includes the species, habitats and ecological systems present, their current condition and their trends before a project commences.

#### AREA OF CHANGE

Top-down  
**Governance**  
change

Bottom-up  
**Culture**  
change

#### FORECAST COMPLETION YEAR



#### SOLUTIONS

AUDIT REPORT

#### UPDATE

- Species diversity assessment at PESS river.
- Biotic indices assessment at PESS river.
- Biotic indices assessment at river shoreline behind UL arena.

#### PROJECT STATUS

Implementation

#### FUNDING SOURCES

University of Limerick

#### OWNERS & PARTNERS

Department of Geography  
Centre for Sustainable Futures and Innovation

#### RELATED MISSIONS

Digital Campus Commons  
Biodiverse Campus

### Sustainability Scholars Scheme 2022

The Faculty of Science & Engineering is supporting collaborative, transformative and interdisciplinary initiatives in sustainability by funding five structured PhD scholarships.

#### AREA OF CHANGE

Top-down  
**Governance**  
change

Bottom-up  
**Culture**  
change

#### FORECAST COMPLETION YEAR



#### SOLUTIONS

FUNDING

#### PROJECT STATUS

Approved

#### FUNDING SOURCES

Faculty of Science and Engineering

#### OWNERS & PARTNERS

Faculty of Science and Engineering

#### RELATED MISSIONS

Mission Driven Learning

### Baseline Mapping Policy

Baseline study of policies at UL to support the design and development of a portfolio of sustainability related policies.

#### AREA OF CHANGE

Top-down  
**Governance**  
change

Bottom-up  
**Culture**  
change

#### FORECAST COMPLETION YEAR



#### SOLUTIONS

AUDIT REPORT POLICY CHANGE

#### PROJECT STATUS

Concept

#### FUNDING SOURCES

University of Limerick

#### OWNERS & PARTNERS

Centre for Sustainable Futures and Innovation  
Sustainable University Working Group  
Policy Hub

#### RELATED MISSIONS

Digital Campus Commons  
Transition Governance Framework

# Mission Projects

## Change Behaviours

### ESD Beekeeping Course

UPDATED

8 Week Intensive Bee Keeping Course. Teach staff and students to start their own hives.

#### AREA OF CHANGE

Top-down  
Governance  
change

Bottom-up  
Culture  
change

#### PROJECT STATUS

● Implementation

#### FUNDING SOURCES

Environmental Committee

#### FORECAST COMPLETION YEAR



#### OWNERS & PARTNERS

Environmental Committee  
The Banner Beekeeping Association  
UL Apiary

#### SOLUTIONS

EDUCATION TRAINING

#### UPDATE

● Continues to run annually. 44 Registered students 2023.

### Sustainability Literacy Libguide

UPDATED

The library is leading on the creation of resources and academic content in the areas of climate literacy, biodiversity, energy, food production and agriculture.

#### AREA OF CHANGE

Top-down  
Governance  
change

Bottom-up  
Culture  
change

#### PROJECT STATUS

● Implementation

#### FUNDING SOURCES

University of Limerick

#### FORECAST COMPLETION YEAR



#### OWNERS & PARTNERS

Glucksman Library at UL  
Centre for Sustainable Futures and Innovation  
Sustainable University Working Group

#### SOLUTIONS

TRAINING EDUCATION

#### UPDATE

● Sustainability Literacy Libguide now available at Glucksman Library [Sustainability Literacy Libguide](#)

### Sustainability Challenge

UPDATED

An interfaculty competition which calls on students to submit ideas to make our environment more sustainable – to either the campus, the city or wider Mid-West region or further afield.

#### AREA OF CHANGE

Top-down  
Governance  
change

Bottom-up  
Culture  
change

#### PROJECT STATUS

● Implementation

#### FUNDING SOURCES

University of Limerick

#### FORECAST COMPLETION YEAR



#### OWNERS & PARTNERS

Bernal Institute  
Faculty of Science and Engineering  
Kemmy Business School  
Buildings and Estates  
Research Office

#### SOLUTIONS

CAMPAIGN

#### UPDATE

● First sustainability challenge run as part of UL50. Five projects selected for funding. [UL Sustainability Challenge](#)

### Energy Behaviour Change Campaign

UPDATED

This project will see Buildings & Estates, the OPW and both existing and new Green Teams continue and expand the roll-out of the Optimising Power at Work initiative.

#### AREA OF CHANGE

Top-down  
Governance  
change

Bottom-up  
Culture  
change

#### PROJECT STATUS

● Implementation

#### FUNDING SOURCES

UL Sustainability Fund (TBC)

#### FORECAST COMPLETION YEAR



#### OWNERS & PARTNERS

Buildings & Estates  
Office of Public Works  
Green Teams

#### SOLUTIONS

CAMPAIGN

#### UPDATE

● New Service Level Agreement signed with the Office of Public Works to deploy the Optimising Power at Work campaign. September 2023 - 2025.

# Mission Projects

## Change Behaviours

### Display Energy Certificate

UPDATED

Display an up-to-date Display Energy Certificate in every public building that is open to the public to clearly show energy use.

#### AREA OF CHANGE

Top-down  
Governance  
change

Bottom-up  
Culture  
change

#### PROJECT STATUS

Implementation

#### FUNDING SOURCES

University of Limerick

#### FORECAST COMPLETION YEAR

On track



#### OWNERS & PARTNERS

Buildings and Estates

#### SOLUTIONS

AUDIT

REPORT

#### RELATED MISSIONS

Carbon Neutral Campus

### Climate FRESK Training

NEW PROJECT

Climate FRESK is a collaborative workshop. Based on the Intergovernmental Panel on Climate Change (IPCC) Assessment Reports, this 3 hour workshop uses 42 cards arranged in a cause and effect sequence to allow you to understand the essential issues of climate change.

#### AREA OF CHANGE

Top-down  
Governance  
change

Bottom-up  
Culture  
change

#### PROJECT STATUS

Implementation

#### FUNDING SOURCES

University of Limerick

#### FORECAST COMPLETION YEAR



#### OWNERS & PARTNERS

Kemmy Business School  
Citizens Innovation Lab

#### SOLUTIONS

TRAINING

#### RELATED MISSIONS

Carbon Neutral Campus

#### UPDATE

The entire faculty of Kemmy Business School are receiving Climate Fresk training. The Citizens Innovation Lab with UL are running Climate Fresk sessions with Limerick citizens.

### EMS Accreditation

UPDATED

Achieve formal environmental accreditation for large public sector bodies, such as ISO 50001 (Energy Management Standard) or ISO 14001 (Environmental Management System).

#### AREA OF CHANGE

Top-down  
Governance  
change

Bottom-up  
Culture  
change

#### PROJECT STATUS

Concept

#### FUNDING SOURCES

University of Limerick

#### FORECAST COMPLETION YEAR



#### OWNERS & PARTNERS

Buildings and Estates  
SEAI

#### SOLUTIONS

AUDIT

TRAINING

#### RELATED MISSIONS

Carbon Neutral Campus

#### UPDATE

As per the Climate Action Mandate UL gain ISO 50001 accreditation by end-2024.

### Climate Action Leadership Training

NEW PROJECT

Ensuring all senior management complete a climate action leadership training course in 2023. Climate Action Leadership Training

#### AREA OF CHANGE

Top-down  
Governance  
change

Bottom-up  
Culture  
change

#### PROJECT STATUS

Implementation

#### FUNDING SOURCES

TBC

#### FORECAST COMPLETION YEAR



#### OWNERS & PARTNERS

Centre for Sustainable Futures and Innovation  
UL and IUA partners

#### SOLUTIONS

TRAINING

#### RELATED MISSIONS

Carbon Neutral Campus

#### UPDATE

Working with the IUA to co-design a program targeting our leaders on climate action. The intention is to design and deliver a program that can then be scaled across all levels within HEIs.

# Mission Projects

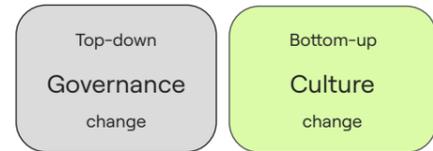
## Change Behaviours

### Climate Action Quarterly Updates

NEW PROJECT

Quarterly UL campus wide updates to ensure all staff and students are aware of progress towards carbon neutrality.

#### AREA OF CHANGE



#### PROJECT STATUS

Design/Decision

#### FUNDING SOURCES

University of Limerick

#### FORECAST COMPLETION YEAR



#### OWNERS & PARTNERS

Centre for Sustainable Futures and Innovation UL

#### SOLUTIONS



#### UPDATE

Designing a climate action infographic to enable staff and students to follow progress and make all actions and decisions transparent. The intention is aligned with the UL digital twin.

#### RELATED MISSIONS

Carbon Neutral Campus

### Sustainability Framework 2030

NEW PROJECT

UL wide workshops designed to introduce the campus community to sustainability and the UL Framework 2030.

#### AREA OF CHANGE



#### PROJECT STATUS

Implementation

#### FUNDING SOURCES

University of Limerick

#### FORECAST COMPLETION YEAR



#### OWNERS & PARTNERS

Centre for Sustainable Futures and Innovation UL

#### SOLUTIONS



#### UPDATE

Workshops have already been rolled out across the four faculties, students and support organisations and other key stakeholder to introduce everyone to the sustainability framework 2030.

#### RELATED MISSIONS

Carbon Neutral Campus

### Regenerative Futures Workshops

NEW PROJECT

UL wide workshops designed to engage the campus community in collectively reimagining a regenerative future for Higher Education.

#### AREA OF CHANGE



#### PROJECT STATUS

Implementation

#### FUNDING SOURCES

University of Limerick

#### FORECAST COMPLETION YEAR



#### OWNERS & PARTNERS

Centre for Sustainable Futures and Innovation UL

#### SOLUTIONS



#### UPDATE

Workshops have already been rolled out across the four faculties and with other key stakeholder groups including the Executive Team.

#### RELATED MISSIONS

Carbon Neutral Campus

# Portfolio Overview



MEADOWLAND

INSULATION AND RADIATORS

SMALL SCALE GREEN HOUSES

SMALL SCALE WIND

SPORT PITCH LIGHTING

NATIVE TREE PLANTING

POLLINATOR PLAN

CAMPUS ORCHARD

INTERNAL LIGHTING

ARBORETUM STATUS

MAIN BUILDING RETROFIT

STREET LIGHTING

STUDENT BIKE SCHEME

CAR PARK SOAL PV

LIBRARY RETROFIT

STUDENTS UNION CONSTRUCTION

IBC 2 RETROFIT

BIOPHILIC LIBRARY PILOT

GREEN ROOFS

STAFF CYCLING PROGRAM

