



# UCL



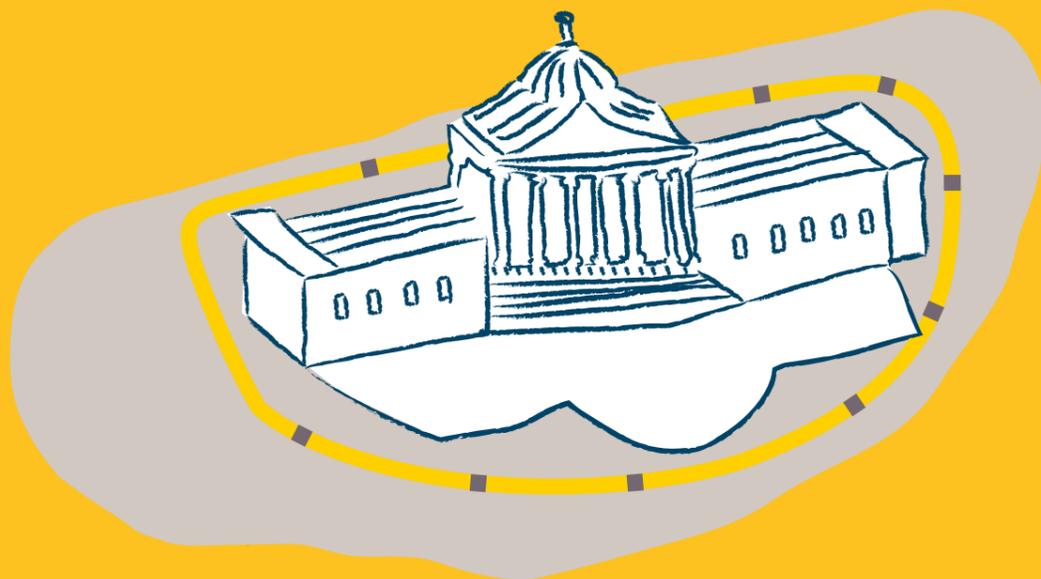
# 2012-13

## GREEN UCL ANNUAL REPORT

Waste Ac

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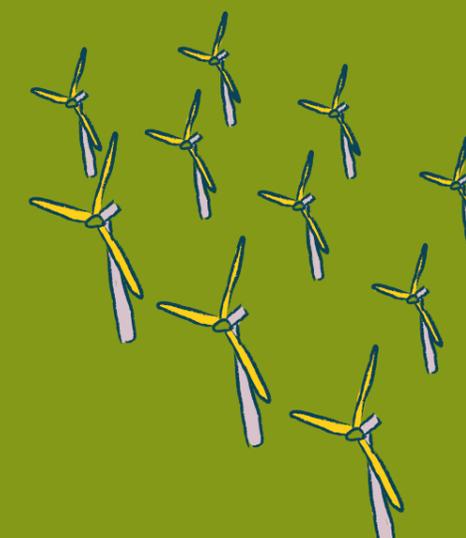
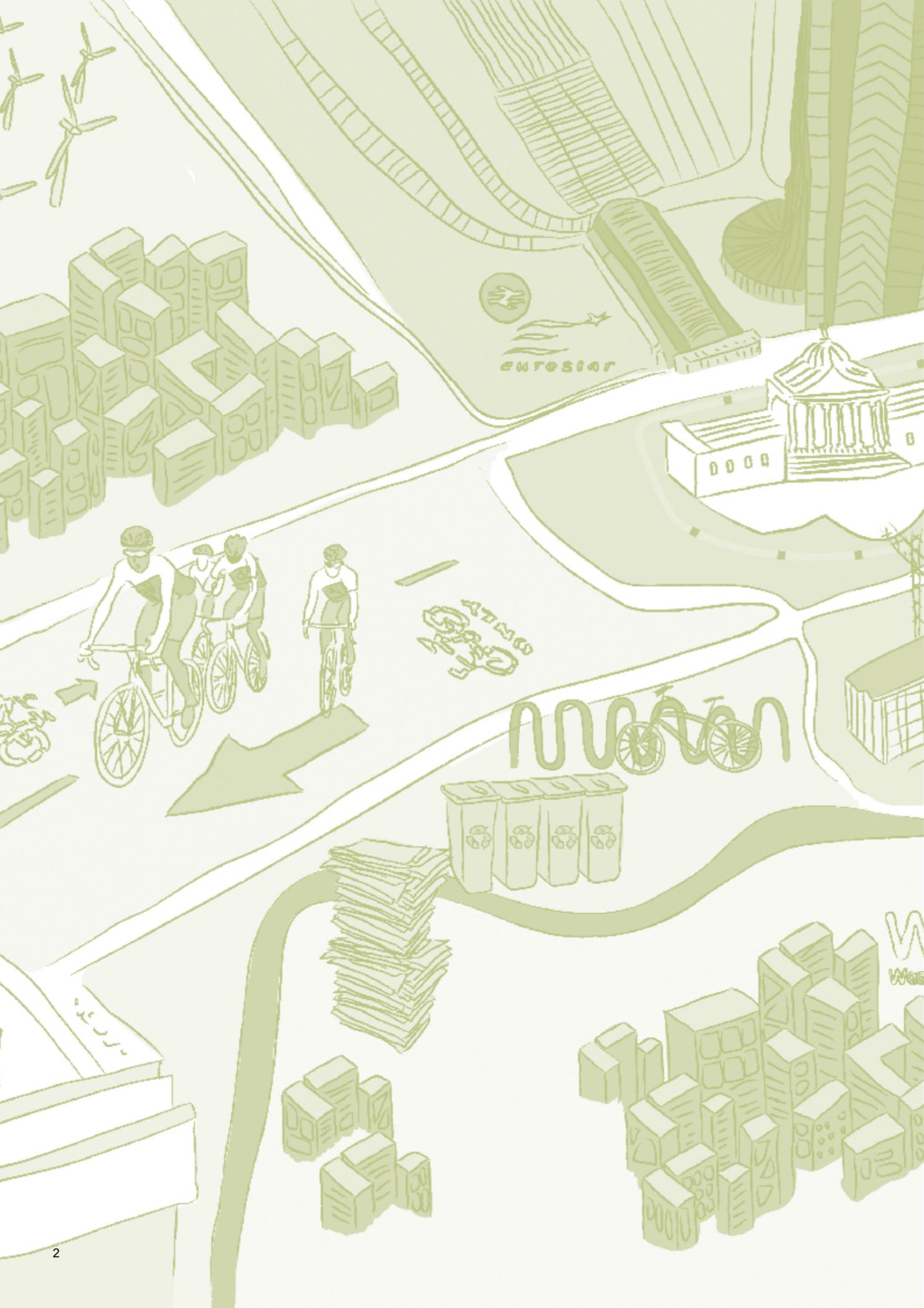


# GREEN UCL

## Introduction

Over the period 2012/13, UCL has continued its progress to embed environmental sustainability across its business activities. In April 2013, the UCL Council approved the first Environmental Sustainability strategy following extensive consultation across the institution. The strategy sets out five strategic aims: to create a campus which supports UCL's activities in a sustainable way; to enable, empower and support all UCL communities to address our environmental sustainability impacts; to provide the education, advancement, dissemination and application of sustainable development; to maximise the wider impact of UCL's environmental sustainability activities at local, regional, national and international level through collaboration, partnership and communication; and to become a leader in environmental sustainability across the HE sector.

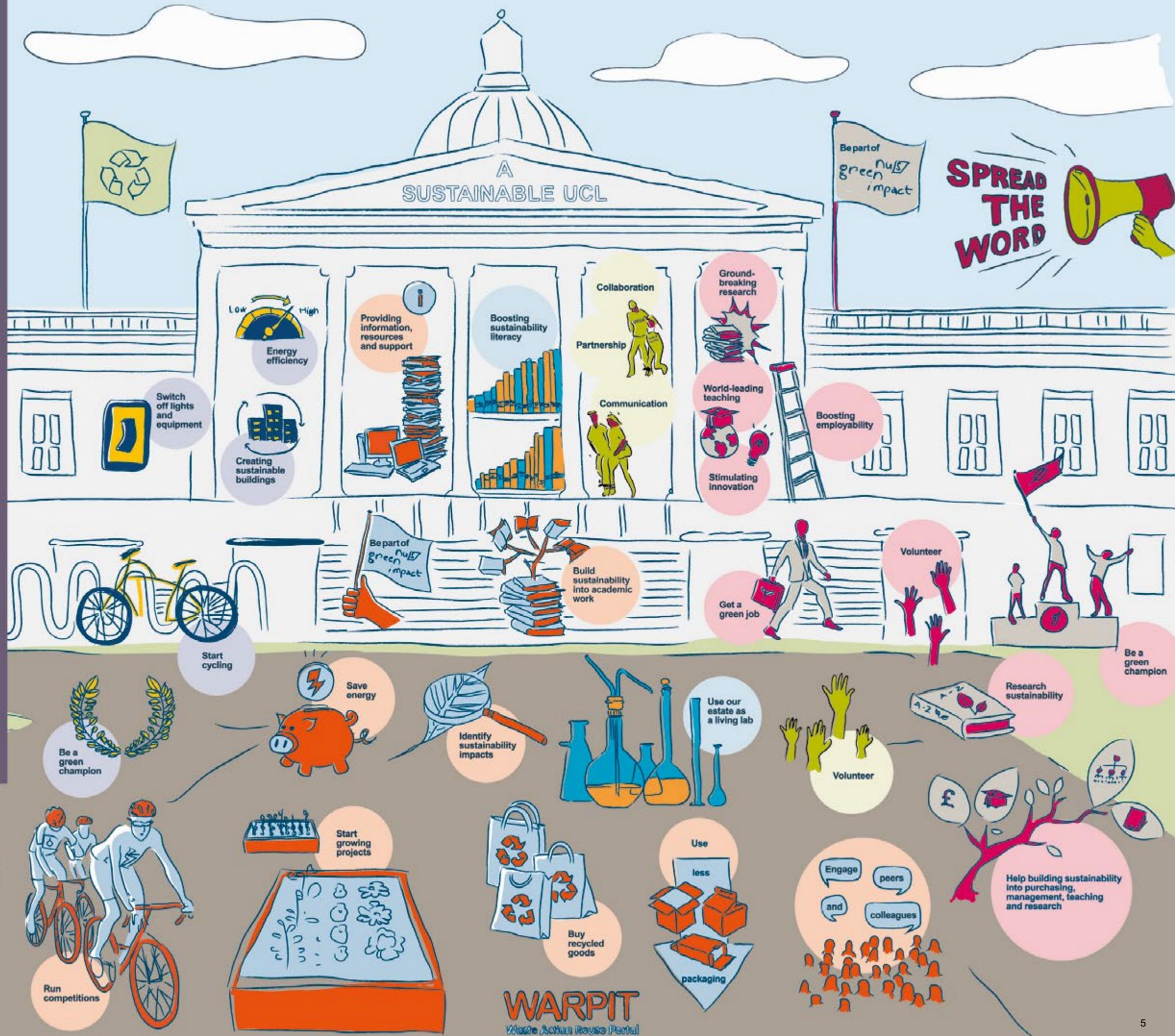
The following Annual Report sets out the progress which has been made in 2012/13 against these strategic aims and, in particular, the targets and commitments set out in the Strategy. It provides some case studies of best practice and also a summary of our key goals for the coming year.



# Our Vision of UCL

We have an ambitious vision of a sustainable UCL, built around our five key aims. We're already making progress, but we know it'll take involvement from the whole UCL community to make it a reality.

- 1 To create sustainable campus.
- 2 To enable, empower and support the UCL community to tackle our sustainability impacts.
- 3 To provide the education, advancement, dissemination and application of sustainable development.
- 4 To maximise the impact of UCL's environmental sustainability activities at local, regional, national and international level through collaboration, partnership and communications.
- 5 To become a leader across the HE sector in terms of environmental sustainability.



## Create a campus which supports UCL’s activities in a sustainable way

Our focus of attention has been on the way that the existing campus is managed and maintained and the plans for growth and renewal. In particular, improving our understanding of campus performance through data collection (in order to identify opportunities to reduce our impacts), ensuring compliance with environmental regulation, reducing the environmental impact from our buildings, and putting in place processes which enable environmental sustainability issues to be considered through the decision making processes.

In 2012/13, we have continued to increase metering across the estate – in order to measure our consumption and identify opportunities for efficiency improvements (and carbon reduction). The focus of metering has mainly been on the UCL district heating network (which runs through the UCL Bloomsbury campus) but improvements are continuing to be made to our electrical metering and sub-metering.

Carbon emissions, associated with the energy used to power the campus (referred to as Scope 1&2 carbon), have increased marginally over the course of the year. Although UCL remains below its 2005/06 baseline emissions (against which the Carbon Management Plan targets were set), the proposed 34% reduction in emissions is increasingly challenging.

In 2012/13, further efficiency improvements were made across the estate (leading to approximately £110,000 savings on the UCL energy bill), however the benefits were largely offset by an extremely cold winter, resulting in 23 percent increase in degree days<sup>1</sup> than 2011/12.

Over the coming year, the UCL Environmental Sustainability team will begin consultation on revisions to the Carbon Management Plan (CMP). The revisions to the document will reflect a number of factors, which have changed since the last iteration was produced in 2011:

- UCL now has better information regarding its total carbon footprint (which includes indirect emissions – referred to as Scope 3 emissions)
- UCL has announced plans for further growth in East London – not taken into account in the original CMP
- Organic growth of the Institution and mergers require us to review the carbon baselines and potential opportunities for savings
- UCL will be producing a new Institutional Strategy in 2014 which will allow us to consider the longer term (beyond the original 2020 forecast)

UCL’s understanding of the waste it produces has improved over the past couple of years. A new waste contractor started in January 2013 and with it, the introduction of on-vehicle bin weighing, allowing much better recording of the waste produced. Prior to this, waste figures were estimated by applying approximate weight values to the black bags collected. As a result, the waste for 2012/13 is 3,672 tonnes compared with 4,393 tonnes in 2011/12. Of this figure, 69% was recycled – a small reduction in recycling from 2012/13. The estimated savings from recycling our waste and therefore avoiding landfill is approximately £187,834.

It is estimated that 8 tonnes of material was reused and this includes an estimate of 1.9 tonnes of items reused through the UCL WARPit scheme (approximately £31,000 cost saving). Around half of the items reused through the WARPit scheme were from laboratories and in recognition of this success UCL won the Laboratory Effectiveness category in the S-Labs awards. WARPit is now being rolled out in other Higher Education Institutions, which should enable wider sharing of discarded (but useful) equipment. Over the next year, we expect to introduce further changes to the way that waste is managed.

UCL has set out some ambitious plans for sustainable growth over the course of the past 12 months including major projects in Bloomsbury and a potential new University quarter in Stratford. In order to ensure that all refurbishments and new construction projects deliver sustainable outcomes, the UCL ES team has created the UCL Sustainable Design Specification - requiring the achievement of high BREEAM and RICS Ska targets. This is supported by the use of environmental appraisal methodologies in decision making.

Of the five projects completed and evaluated in 2012/13<sup>2</sup>, achievements include one BREEAM Excellent scheme and four schemes which have achieved the RICS Ska Gold level. To put this into context, over 90% of waste from the projects has been diverted from landfill, the use of recycled furniture has avoided additional cost, and energy efficiency measures have contributed over £50,000 savings.

Over the next 12 months, we will continue to challenge design teams to achieve high sustainability standards as well as implement a new Code of Practice for contractors working on UCL projects. The team is also working together with UCL Estates to develop an Inclusive Design Standard for UCL projects – focusing on improving accessibility standards across the estate.

These standards will be augmented by performance tracking tools such as CarbonBuzz. This tool, developed by a consortium of consultants and the UCL Energy Institute seeks to benchmark building energy performance through the project lifecycle. UCL ES team will be working with colleagues in UCL Estates to implement the tool on major projects.

Target	Progress
Reduce carbon emissions by 34%	1% reduction
Reduce water consumption by 10%	<b>11% reduction</b>
Reduce waste produced	17% reduction
Recycle 85% of UCL waste	69% recycled
Achieve BREEAM Excellent	1 out of 1 project
Achieve RICS Ska Gold	4 out of 5 projects
10% reduction in delivery vehicles	On track
Introduce 50m <sup>2</sup> of new biodiverse space	186.4m <sup>2</sup> achieved
Achieve Food for Life Silver by 2014	On track

<sup>1</sup> Heating degree day (HDD) is a measurement designed to reflect the **demand for energy** needed to heat a building. It is derived from measurements of outside air **temperature**

<sup>2</sup> The UCL SDS was applied to all projects initiated in 2012/13. As more projects reach completion and are evaluated, the total number which achieve the targets should increase.

# UCL's impacts

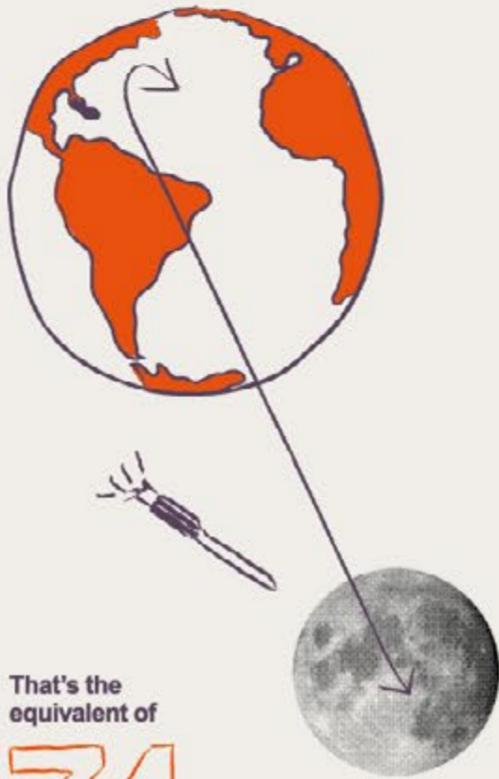
UCL has a wide range of impacts, from the energy we use and the things we buy, to the waste and carbon we produce.

## TRAVEL

Academic travel generates over

**160,000**

tonnes of carbon per year.



That's the equivalent of

**74**

trips to the moon

## WASTE

Total produced in tonnes:  
**3,672**  
(2012-13)

**21%**  
Incinerated  
(energy recovery)

**568** tonnes  
(2012-13)

**69%** Recycled  
**2,534** tonnes  
(2012-13)

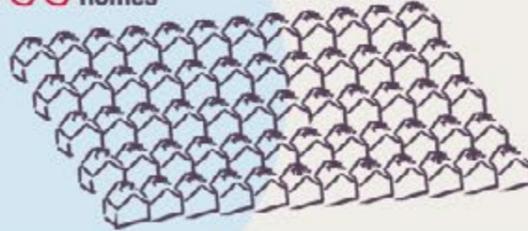
UCL produced enough waste to fill Big Ben

**3**  
times last year



## ENERGY

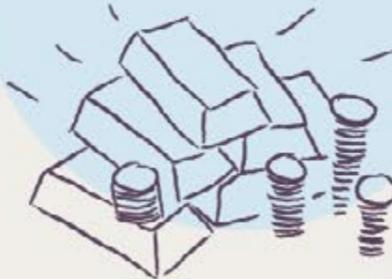
UCL uses the equivalent energy of  
**11,000** homes



Costs

**£14,000,000**

per year



## PROCUREMENT

Sheets of paper purchased:

**50,000,000**

sheets of paper, which if stacked up would be over...

**3**  
miles high



## ENERGY

Where it comes from

Electricity

**32%**

97,955,620 kwh



**3,669**  
kwh  
per student



Gas

**32%**

59,643,489 kwh

**2,234**  
kwh  
per student



Low carbon heat from CHP

**14%**

26,310,774 kwh

**985**  
kwh  
per student



Renewable energy

**0.02%**

37,970 kwh

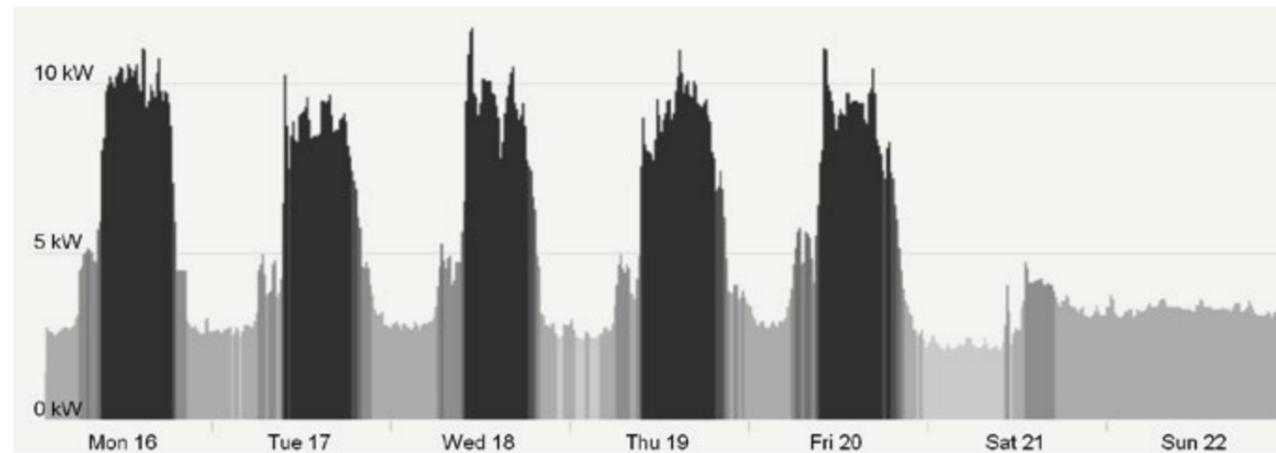
**1**  
kwh  
per student



## Case Study: Data collection on the UCL Estate

The UCL environmental sustainability team has been working with the UCL Energy Institute and the UCL Estates team to establish an online portal for building energy data for Central House. The website, which can now be seen on [www.carbonculture.net/orgs/ucl](http://www.carbonculture.net/orgs/ucl) provides next day data

on the performance of the building (electricity use, the cost of energy and the carbon impact). The UCL ES team is now working with the same group to develop similar data for all UCL buildings. This will form part of a future energy performance management programme.



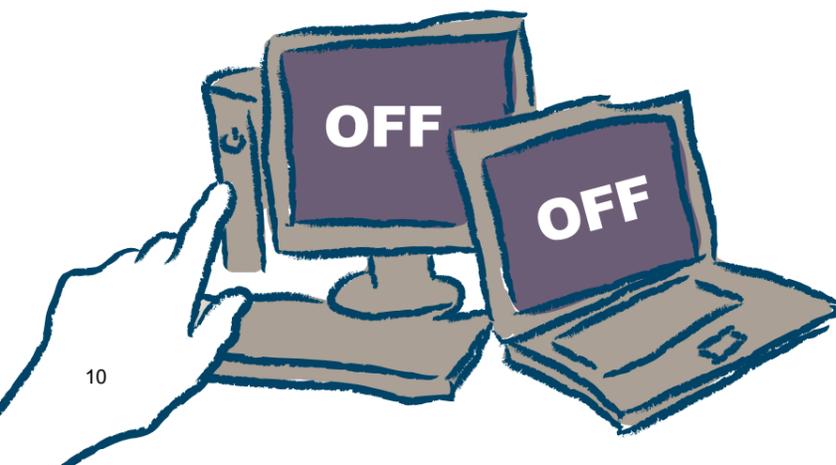
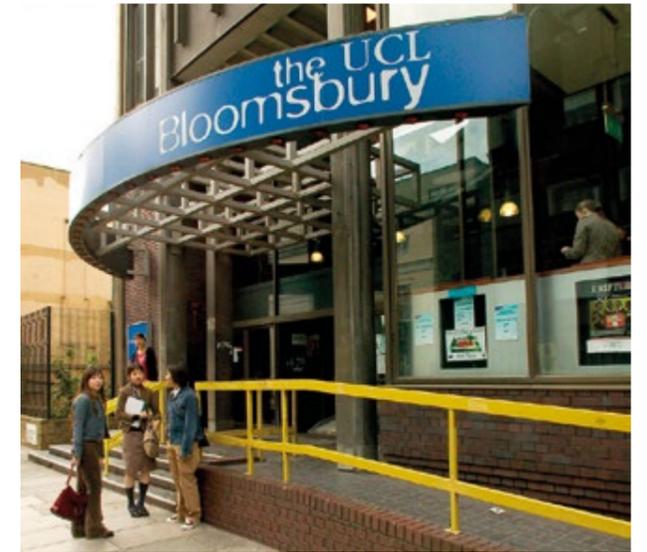
## Case study: Bloomsbury Theatre's energy savings

Sitting at the heart of UCL's Bloomsbury campus, the 535-seat Bloomsbury Theatre is used by UCL students for 12 weeks a year, with a range of comedy, opera and music events for the remainder of the time.

The existing incandescent lighting scheme at the Bloomsbury Theatre dated back to its opening in 1968. Although this lighting offered the warmth and dimming capability that the theatre needed, it had become a drain on energy and resources. The incandescent lamps 'popped' so often that the theatre maintenance staff spent an average of four hours a week changing the dead bulbs.

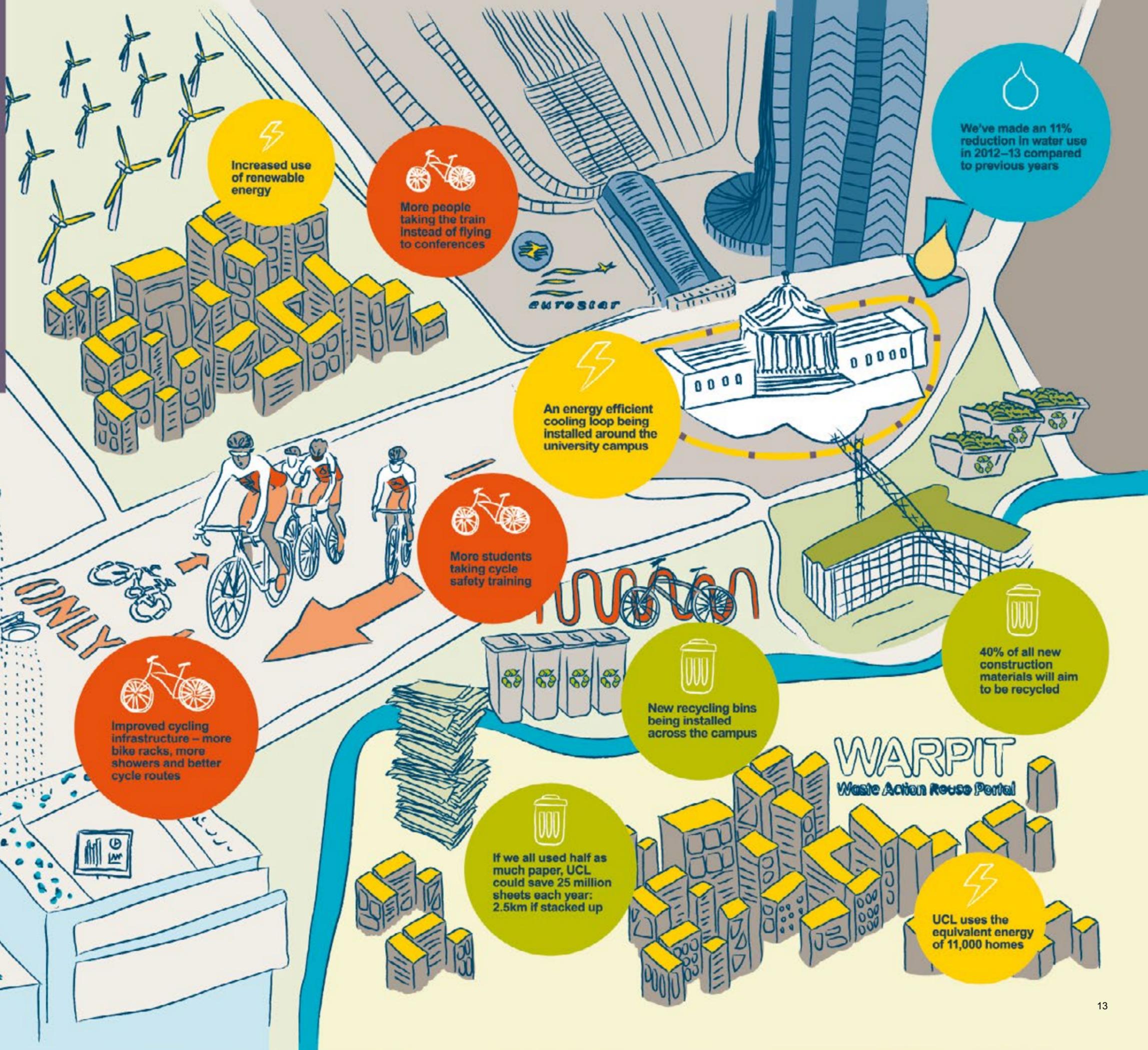
Previously, the theatre's 114 incandescent lamps (drawing combined nearly 7kw) used up to almost 100kWh of electricity a day.

Now the theatre has replaced their incandescent lamps with 114 LED downlighters (combined around 1kW). Electricity usage is now down by seven times its previous figure. The LEDs also have an average lifespan of 30,000 hours, so instead of spending 2-4 hours a week changing lamps, they haven't had to replace any since.



# Carbon and UCL

We've come a long way. But to reduce our carbon emissions, we have to go much further. We all have a part to play in tackling energy and water use, recycling, and travelling more sustainably.



**Introduction of biodiverse space**

## Case study: sustainable refurbishment of 31 Tavistock Square

Built in 1826, 31 Tavistock Square is a Grade 2\* listed building, situated in the Bloomsbury conservation area. Previously used as a domestic dwelling, this refurbishment project used the Ska Rating system to transform the space into offices with sector-leading environmental performance, all while respecting the heritage of the building.

The Ska Rating is designed to help organisations achieve more sustainable fit-out projects. It's an approach that can be used to guide improvements in environmental performance, carry out assessments and benchmark performance against similar projects.

High efficiency lighting and sensor controls to determine occupancy and daylight levels were used throughout the building to ensure low energy usage.

Waste minimisation was also a priority, with 100% of non-hazardous wastes diverted from landfill as part of the project.

Original building features such as plaster cornicing were repaired and restored, and where elements for the refurbishment were not already available on site, these were sustainably sourced by the team. This included all timber, furniture, doors, and window treatments. The design of the building also used a polished concrete floor to remove the need for potentially harmful polishes and varnishes in its finishing.

Energy-efficient boilers, hand-dryers and improved insulation were all also installed, helping to further reduce energy usage.

This project shows the value of the Ska Rating system and the improvements in performance that it can drive. It represents an approach that will be emulated in all new refurbishment projects across the estate.



*The exterior of the building and the new kitchen area of 31 Tavistock Square.*

## Enabling, empowering and supporting the UCL community

Whilst efforts are made to improve the physical environment in which we operate, the role of the UCL Community cannot be underestimated. UCL staff and students have an important role in delivering environmental sustainability improvements – by ensuring that we are compliant with legislation, reducing their own impacts and promoting action, supporting our progress through leadership, and contributing to our understanding through research. Moreover, we need to consider how we work with our suppliers and key partners in order to ensure that they contribute to our overall efforts.

To help us achieve this strategic aim, the focus of attention has been on enabling the community to take action, ensuring that processes are in place to manage sustainability, supporting the Green Champion network and coordinating events to raise awareness, and providing regular feedback.

Critical to the management of all of our activity is our Environmental Sustainability Management System, which allows us to track performance against all of the targets and commitments set out in the ES Strategy as well as ensure compliance with environmental regulations.

In 2012/13, the UCL environmental sustainability team coordinated action across the Institution to successfully achieve the EcoCampus Silver standard. EcoCampus is a HE-focused accreditation scheme which is awarded when Institutions are able to demonstrate that policies and procedures are in place for managing environmental risks. The Silver award was the second stage of work towards the ISO 14001 accreditation which we are seeking to achieve in 2015.

Over the course of 2013, the UCL ES team has continued to work with the UCL community to put in place policies and processes which have enabled us to achieve the EcoCampus Gold Award. Teams from Estates, Facilities, Geography and Chemistry all took part, with many more contributing to the development of environmental controls and improvements to performance.

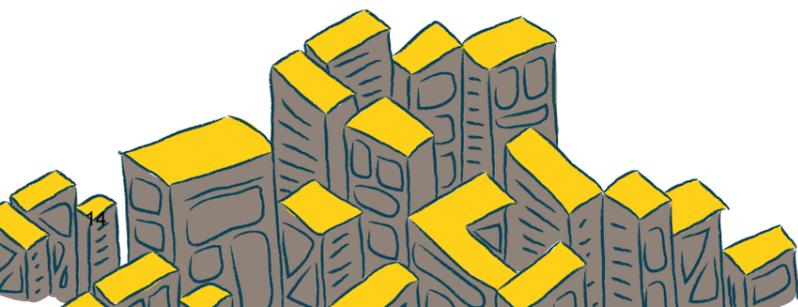
UCL adopted the NUS Green Impact programme for 2012/13 (our second year in which the programme has been running) with a focus on providing the UCL Community with a set of actions for improving environmental sustainability in their space. In its second year, 27 teams across the institution took part, an increase of 8 teams. This resulted in some important contributions to our overall ES targets:

- Energy: An estimated 2,011 people were reached by teams, potentially saving 7,038kg CO<sub>2</sub> per year.
- Waste: As a result of team efforts 108,594kg CO<sub>2</sub> and £40,220 was saved on resource costs.
- Waste: 1,280 people were reached by teams raising awareness around how to recycle different materials, potentially saving 41,068kg CO<sub>2</sub>.

We are continuing to develop the Green Impact scheme and expect this to play a central role in embedding sustainability in years to come.

The Green Impact workbook is a useful aid in enabling departments to address sustainability impacts. In addition, the workbooks have been developed to allow Heads of Departments to meet the environmental compliance requirements of the Academic Manual. Agreed in 2013, UCL Heads of Departments are required to 'demonstrate commitment to UCL's published Health and Safety and Environmental Sustainability Policies by making, recording and ensuring the implementation of arrangements to meet the policies and associated UCL requirements.'

The UCL ES team has been working with a number of departments to develop simple tools and training, which allow accountabilities and responsibilities to be managed. An online training course for all UCL staff was launched through Moodle in late-2013. In addition, the ES team has been developing simple risk management tools to be used by departments.



Higher Education Institutes are increasingly looking at measuring total carbon footprint and therefore accounting for both direct and indirect emissions (referred to as scope 3 emissions or embodied emissions). UCL has developed a much better picture of carbon generated from indirect sources such as the manufacture and transport of goods and services that we purchase and use, and our business travel. In 2011/12, scope 3 emissions were partially calculated at 135,516 tCO<sub>2</sub> although travel emissions were solely based on data provided by the UCL travel partner (and thereby omitting travel which was booked independently of the travel provider).

In 2012/13, the UCL Environmental Sustainability team has been able to draw on procurement data collected. This suggests that the Scope 3 carbon produced as a result of procurement and travel is approximately 170,044 tCO<sub>2</sub> (with business travel contributing 26,204 tCO<sub>2</sub>). As part of the CMP review, we are proposing to identify programmes for reducing the Scope 3 emissions.

There have been a number of communications and events launched over 2012/13. A new Green UCL website along with twitter and facebook pages have been created in order to extend the reach of the UCL Environmental Sustainability activities. So far, the twitter site has over 800 followers.

Alongside regular communications, the ES team has been running several activities over the course of the year.

This includes the Green Impact scheme (as noted above), Student Switch Off (in our Halls of Residence) and the UCL Green Week (which focused on travel, cycling and food growing in 2013). Furthermore, the UCL ES team launched a trial Innovation programme in 2012/13 – encouraging the UCL Community to find ways of visualizing environmental data.

Commitment	Progress
Achieve EcoCampus Platinum	EcoCampus Gold achieved
All Departments to participate in Green Impact	27 departments in 2012/13
Achieve Level 5 in the flexible framework	On track for Level 3
Measure Scope 3 emissions	170,044t CO <sub>2</sub>
Develop RiskNet to include environmental risk	On track
UCL wide reporting	On track

## Case Study: chemical sharing

The UCL Chemistry Department has a very large chemical inventory. With no clear way to catalogue this inventory, they didn't know quite how large. They also couldn't be specific about locations, quantities or qualities of chemicals.

This caused a number of problems: they needed to be able to provide lists of certain chemicals to various people due to regulation; were probably buying and throwing away the same chemical at the same time in different parts of the department; and, worryingly, there was a safety risk associated with not actually knowing what was in the department.

Now they've started using Quartzzy, a free online database where research groups can log all of their chemicals and manage bookings for equipment.

Once this system was up and running, it started to gain interest from other labs as people could see the efficiencies at work and after discussion, the decision was made to roll out Quartzzy across the entire department. They now have a database of twenty thousand bottles of chemicals, each individually labelled and located.

The safety and sustainability benefits have been huge and the department is also saving a significant amount of money. Dr Charlie Dunnill, who pioneered the scheme, explained; "if you think about it, we pay for the chemicals when we purchase them and then we pay again to get rid of what we don't need. That's two costs we can eliminate through sharing as well as the time saving for the researchers who are no longer waiting 3 days for chemicals to turn up". The department estimates the savings to be up to £90,000 for a year.

Quartzzy is also used to manage all the departmental shared kit so that trained users can book time on equipment, maximising the hours of use that the equipment is available for and minimising down time.

A short film of this project can be found at: [www.youtube.com/watch?v=rCtFhUp-ens](http://www.youtube.com/watch?v=rCtFhUp-ens)



Dr Charlie Dunnill explaining how Quartzzy has allowed effective sharing of the department's X-ray diffractometer.



## Case Study: Institute of Archaeology's rooftop growing project

The Institute of Archaeology has a thriving green team. They're actively involved improving UCL's environmental impact; organising book fairs, photo competitions and scoring highly in the Green Impact programme.

Last year, a group of staff and students with a shared interest in starting a growing project got together to discuss their options. Their building has a large, south-facing roof terrace area, with plenty of space for plants.

So with support from their building manager, they got started; growing chillies, mint, chives, oregano, basil, mint and heritage 'Russian Black' tomatoes in pots and grow-bags on the roof. Their tomato crop was so successful they were even able to make chutney from it.

This year, they're expanding the project and getting more staff and students involved. They've got big plans (and even an archaeological botanist on board), so watch this space.



The Archaeology team produced chillies, mint, chives, oregano, basil, tomatoes in pots and grow-bags on their roof.



## Provide the education, advancement, dissemination and application of sustainable development

Through its teaching (formal and informal), research and enterprise activities, UCL can deliver its greatest contribution to sustainable development. Through its teaching activities, UCL is educating tomorrow's leaders and decision-makers in the complexities of the global sustainability agenda whilst its research is seeking to find ways to address global issues of significance. To support this agenda, we are committed to developing programmes which support sustainable literacy.

Over the course of 2012/13, the UCL ES team has been engaged in a number of activities, which support the sustainable literacy agenda. UCL successfully bid to take part in the Higher Education Authority's (HEA's) Green Academy programme in 2012 and has used the programme as an opportunity to review how sustainable literacy is currently delivered across the institution. The Green Academy team included staff members from UCL Global Citizenship programme, Grand Challenges, UCL Law, and student participation from the Environmental and Ethics Officer.

Through the programme, we have begun to review the scale of 'sustainability' education which is currently or proposed to be offered across the Institution. Along with the Global Citizenship programme which was trialled in 2012/13, there are a number of activities which are being undertaken and which contribute to sustainable literacy.

UCLoo Festival took place in early 2013/14, supported by members of the UCL ES team. Furthermore, the UCL ES team is aware of several initiatives which have been led by departments and individuals keen to broaden our knowledge of environmental and social sustainability issues.

The estate and the UCL community can play an important role in supporting education at UCL. Recognising this, the UCL ES team has been working with members of UCL Estates to encourage research and study across the UCL estate (creating the UCL Living Lab). In 2012, the UCL ES team launched a 'trial' Green Innovation Initiative with the aim of challenging cross-discipline teams to look at how environmental data is captured and visualised. The programme was initiated with a challenge event in which 40 staff and students attended. Out of this, two teams began to look at waste and energy data and how this could be interpreted and potentially used as a management/behavioural tool. The winning team has since been developing online visualisation of energy data (see case study on page 20).

Alongside the innovation challenge, the UCL ES team and green champions have supported a number of student led initiatives over the course of the year. Research activities have included:

- Energy research in the Chemistry building
- The further development of the Green Building Information Model (BIM) in CEGE
- Carbon footprinting HE buildings
- Assessing waste behaviours and the impact of recycling initiatives
- Developing water meters as part of the BAsc module

As well as work alongside the Office for the Vice Provost (Education), the UCL ES team has been looking at other opportunities for opening up discussion and debate on sustainability issues. In 2013, we established a monthly lunch-time topic series at which guests were invited to present on a particular environmental issues to audiences including the UCL Green Champions, the UCL community and external invitees. Some of the issues discussed in 2013 included: the Olympic Delivery Authority Sustainable Development Strategy; Cycling, Walking and Driving – what are the risks and benefits?; Designing Environmental Protection in the EU; and the impact of growth in China on the environment.

Over 2014, we will be re-running the topic series.

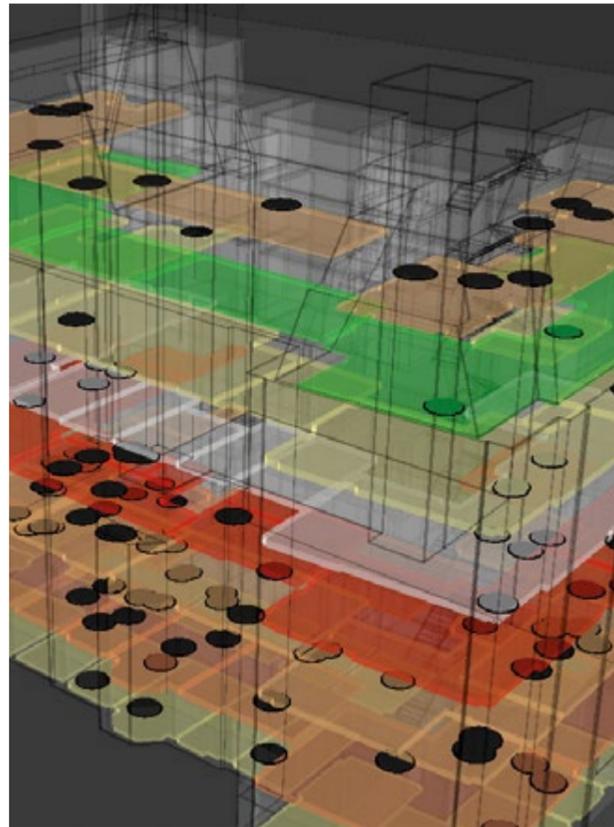
Commitment	Progress
Map the scale of UCL's work in environmental sustainability	On track
Trial an Innovation Programme	Achieved
Develop the Living Lab	On track

## Case Study: UCL Wifi Project

In 2012, the UCL ES team launched a competition to find a way of visualising environmental data, which supports environmental management and behaviour change. Several challenge workshops were initiated with a number of staff and students in attendance. These workshops provided the basis for presenting the problem (the challenge) and identifying potential solutions.

One team was keen to explore the relationship between occupancy and energy use and decided to look at this challenge in the context of Central House (a UCL building which has good quality sub-metering and therefore offers good floor by floor energy data).

The team identified wifi as the means by which occupancy could be tracked around the building and created an online tool which allows the energy and occupancy data to be mapped simultaneously. The tool was launched to a small group in February 2014 following several months work and is now the basis of further discussions regarding its potential wider application.



Richard Jackson introducing the Wifi Project at its launch. PhD student Paula Morgenstern explaining the project.

## Case Study: Provost Teaching Award

In 2009/10, the water consumption in the Christopher Ingold Building, home to UCL's Chemistry Department, was a staggering 169m<sup>3</sup> per day. Professor Andrea Sella believed that a substantial saving could be made if water consumption data could be provided to water users in the department. During the following year the Environmental Sustainability team worked with Prof Sella to provide data and to encourage the department to reduce its average water consumption to below 50 m<sup>3</sup> per day. This initiative highlighted the need to provide high quality water consumption data to support a simple, but effective, behaviour change programme.

This challenge was taken up by Dr Sarah Bell (Civil, Environmental and Geomatic Engineering) who worked with Prof Sella and the ES team to devise a student project for the Engineering Thinking module of the new Bachelor of Arts and Sciences (BASc) degree. In 2012/13 a class of two students was divided into two groups who came up with different proposals for providing automated water meter systems for the teaching laboratories in the Christopher Ingold Building. These proposals were presented as competitive tenders and the winning design was implemented and installed by UCL plumbers.

Following this success, in 2013/14 a new group of students designed and built a network of water meters using commercial meters and networking technology developed by Prof Steve Hailes (UCL Computer Science).

Again, two different designs were evaluated as competitive tenders with the winning design being installed by UCL plumbers. This collaborative work between academic staff, undergraduate students, members of the Sustainability Team and UCL plumbers won a Provost's Teaching Award for team collaboration and achievement in teaching in 2014 and it is intended to develop this work to make water consumption data readily available as a tool for usage reduction.

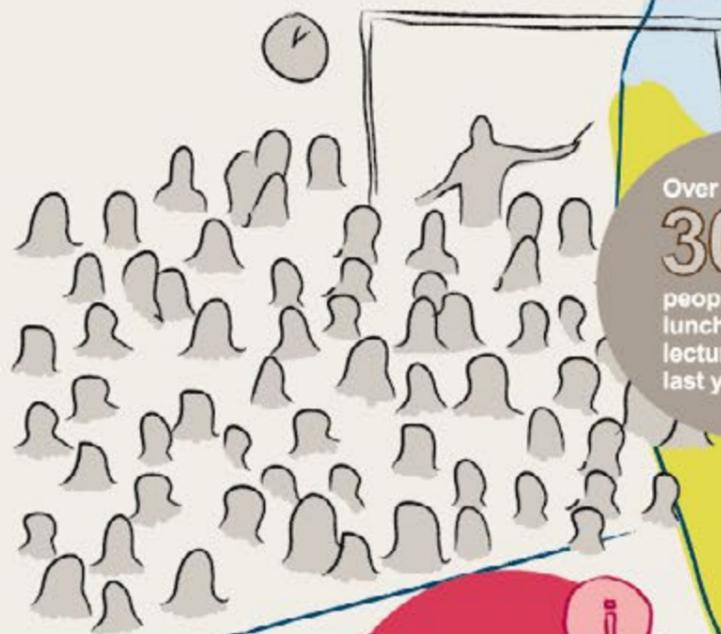


Some of the students who took part in the BASc 'Engineering Thinking' module with UCL Estates plumbers Aaron and Charles.



# UCL's wider positive impacts

UCL has positive impacts on the local community, on London, and on the wider world.



It will reach its full capacity of **1,150** students by the Autumn of 2016

**180** Students in foundation courses

Positive effect on local community

**125** Students in Level 3

UCL is the first university in the country to be the sole sponsor of an academy – a non-selective mixed state school in Camden

Over **3000** people attended lunchtime lectures series last year

## PUBLIC LECTURES

## UCL ACADEMY

OPENED IN SEPTEMBER 2012

Sharing facilities, expertise and providing support to teachers and pupils

## EDUCATION

Over **30** courses with a sustainability focus

## RESEARCH

Over **400** researchers exploring sustainability

Across **55** different departments and divisions

Over **100** externally-funded research projects with a sustainability element ran last year

## VOLUNTEERING

Students volunteered for **41500** hrs in 2012-13

Around **4700** hrs spent on sustainability-themed projects

## PARTICIPATION

**44** 44 divisions and departments took part in Green Impact this year

Up from **25** departments and divisions last year

Be part of **nu/s green impact**

## GLOBAL CITIZENSHIP PROGRAMME

**800** students have taken part in the programme

it'll continue to **grow** and **grow** in future years

**WARPIT**  
Waste And Resource Project

## Maximise the wider impact of UCL’s environmental sustainability activities at local, regional, national and international level through collaboration, partnership and communication

In line with the Strategy commitments, the UCL Environmental Sustainability team has been working with the Office of the Vice Provost for Research to create an environment domain which supports the promotion of UCL’s environmental research activities. The domain is still under development and more news can be expected in 2014 but it is expected that this will provide a clearer delineation between all of the environmental sustainability activities which are undertaken across the Institution.

Collaborative working is an important part of the work undertaken by the UCL ES team. The team has continued to work with external partners on a number of initiatives:

- The Waste and Resources Action Programme (WRAP) has been a key partner in undertaking a prioritisation exercise of UCL’s procurement. Drawing on WRAP’s expertise, we have identified several opportunities for optimising UCL’s procurement procedures.
- We initiated work with Forum for the Future in 2013. Forum has developed a strong and trusted brand in the sustainability community for its critical support to businesses such as Kingfisher, Unilever, Nike, Marks and Spencer – all of which are regarded as leaders in the sustainability field. Forum is now working with UCL to review its approach to sustainability and identify pathways for improvement.
- UCL has also supported the S-Lab programme (Safe, Secure and Sustainable Labs). In 2013, we successfully bid, with S-Lab, for HEFCE Catalyst funding to enable to continuation of the programme, which seeks to improve the performance of lab environments.

Alongside these partnerships, the UCL ES team has also been working with the Royal Institute of Chartered Surveyors (RICS) to develop a Ska building assessment methodology for the HE sector. This proposal recognises the number of small and medium sized refurbishments which are undertaken in the HE sector and the lack of a ‘robust and easy to use’ methodology to drive sustainability into these projects. As part of this development, we are aiming to launch a new tool towards the end of 2014.

We are working closely with UCLU to identify opportunities for volunteering. The Green Impact programme offers an opportunity for students to gain valuable auditing experience and through this we have had over 30 volunteers. Over 2014, we will be looking at further supporting the work of the VSU.

Commitment	Progress
Create a web portal which promotes UCL’s ES activities	On track
Work with other HEI’s to share best practice	On track
Develop new voluntary programmes	On track

## Become a leader in the HE sector

The Green League remains a yardstick of performance across the HE sector. In 2011/12, UCL achieved 89th in the Green League, a performance which has been vastly improved in 2012/13 with 61st place. Much of the improved performance reflects work undertaken to put improved processes and procedures in place.

Recognition through awards continues. In 2012/13, the UCL Environmental Sustainability team successfully supported an application to the Green Gown Awards for the Technical Innovation in Sustainability Award. The application was based on the CarbonBuzz assessment and tracking tool which has been produced and developed by a consortium of partners including the UCL Energy Institute.



**2012-13**

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