





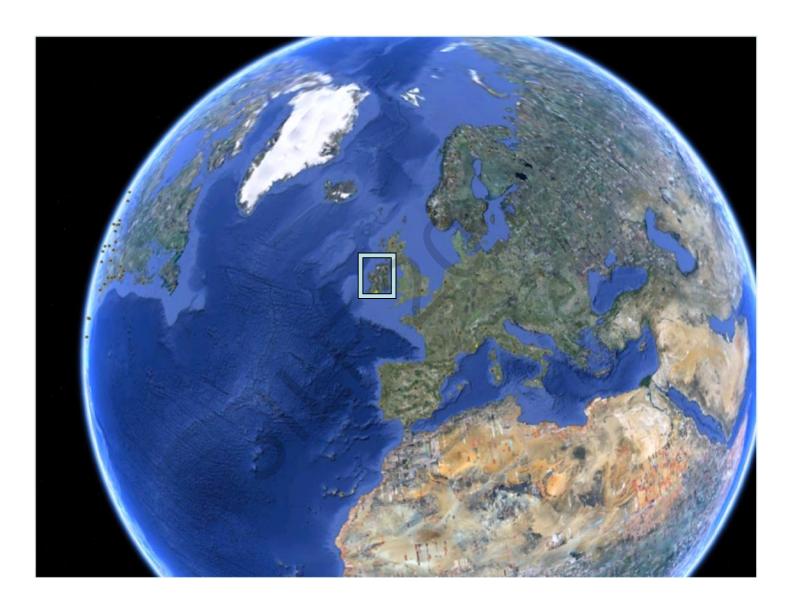
A TRADITION OF INDEPENDENT THINKING

"Greening the Library"

John FitzGerald, UCC SILF, Shanghai, October 2018







Connections & Collaborations

SILF 2012

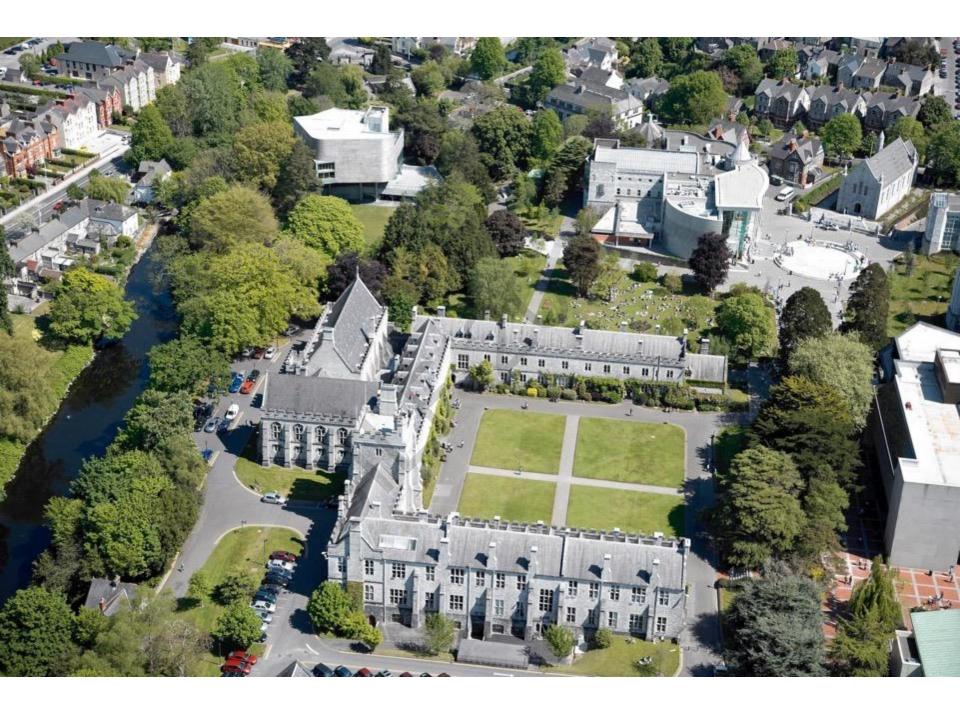


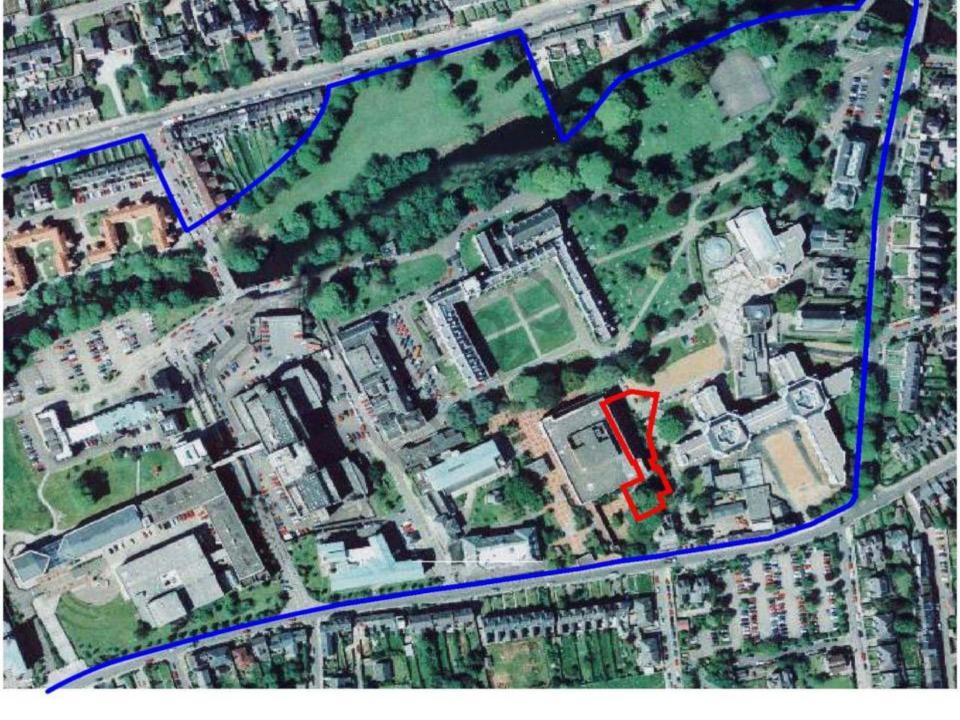
John FitzGerald (j.fitzgerald@ucc.ie)

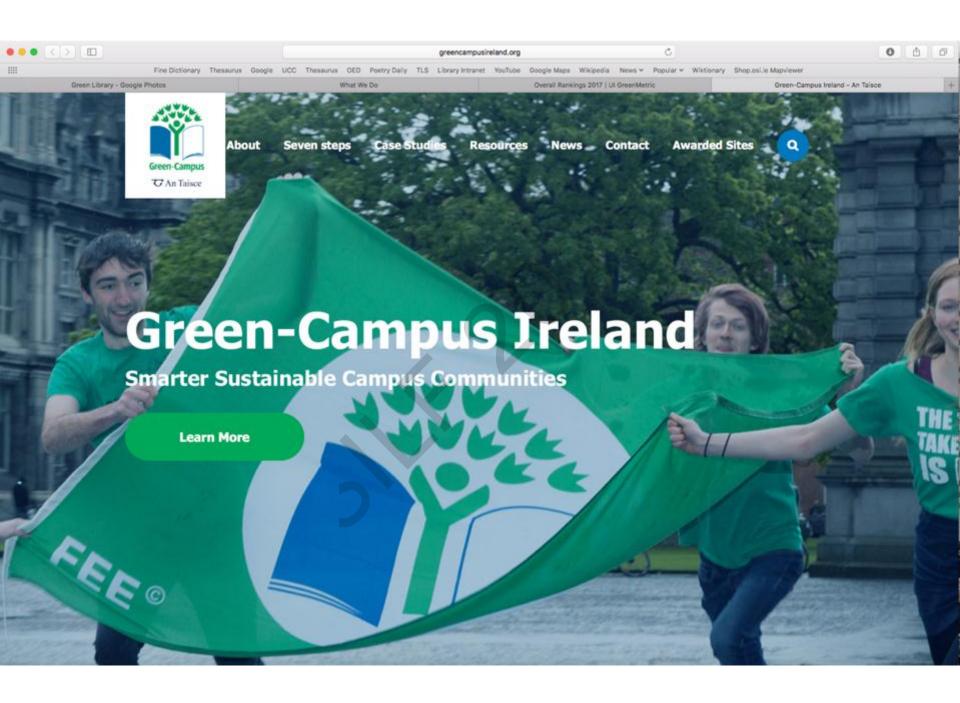


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UCC Confucius Institute







In 2007, UCC students instigated a pilot Green Campus programme, with the help of An Taisce, which would see the university become the first in the world to be awarded a Green Flag from the Foundation of UCC renewed its Green Flag in 2013 and 2016, and in July 2016 published its Sustainability Strategy committing to be a "worldclass University leading the drive towards sustainability in Higher Education

Our programme is studentled, research-informed and practice-focused and our success demonstrates the strong commitment across all levels and divisions in the university

SUSTAINABILITY: a core university value





TEACHING & LEARNING

- A university-wide Sustainability Module approved as a direct result of the Green Campus Initiative.
- 35 courses relating to the Environmental at UCC including:
 - BSc in Env. Management
 - Certification of BSc in Env. Management & Science
 - BE Energy Engineering
 - MEngSc Sustainable Energy
 - GREP Eng Energy Systems
- Over 35 conferences and events per annum with an environmental theme.





RESEARCH & INNOVATION

- Circa. €20M secured annually for environmental and sustainability research.
- >200 research papers published on environmental and sustainability research.

KEY CENTRES

- Environmental Research Institute
- Beaufort Laboratory
 - HMRC
 - CMRC
 - SERG
- Tyndall (Enabling Technologies)
- Internal Engineering Research Centre



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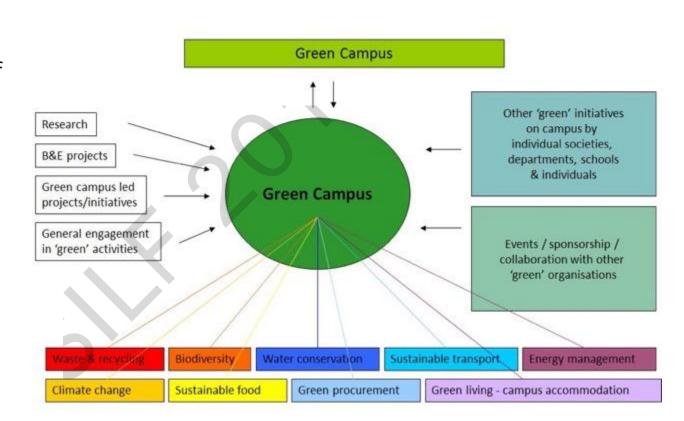
THEMATIC RESEARCH AREAS:

- Sustainable Energy & Environmental Engineering
- Environmental Chemistry
- Environmental Microbial Genomics
- Biodiversity & Ecotoxicology
- Marine & Freshwater



EMBEDDING THE PROCESS

- Co-Chair VP Teaching
 & Learning /Director of
 Buildings & Estates.
- Open Meetings.
- Cross Campus Attendees.
- Involving Subsidiaries and Suppliers







GLOBAL CONTEXT





SUSTAINABLE GEALS



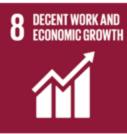
































SUSTAINABLE GEALS





























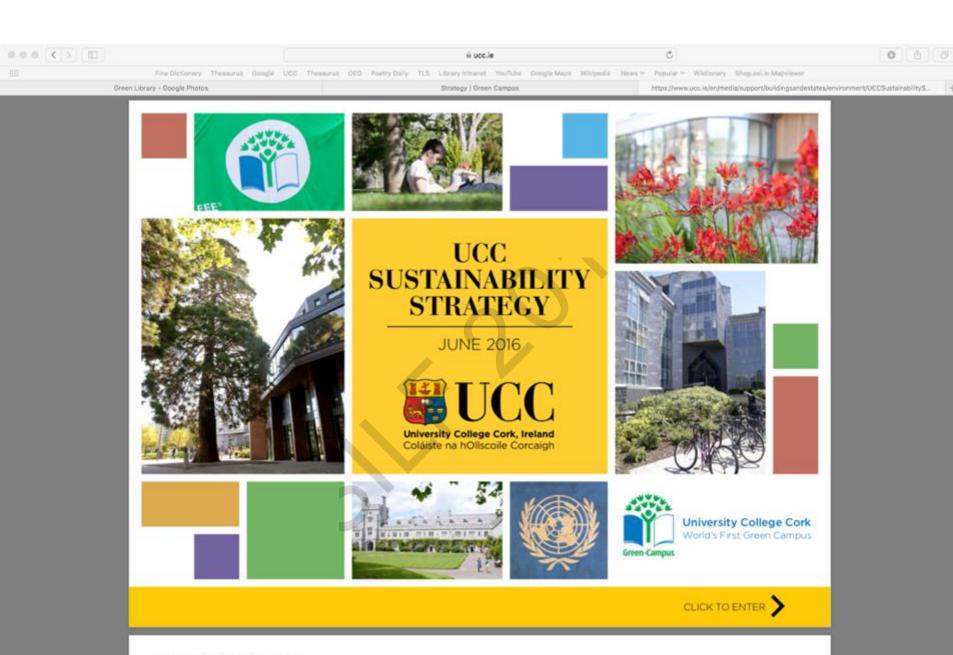


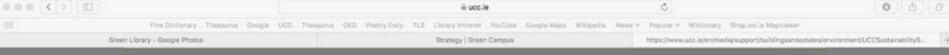






http://www.eauc.org.uk





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UCC's
Sustainability
Journey.

In 2007, UCC students instigated a pilot Green Campus programme, with the help of An Taisce, which would see the university become the first in the world to be awarded a Green Flag from the Foundation of Environmental Education. UCC renewed its Green Flag in 2013 and 2016, and in July 2016 published its Sustainability Strategy committing to be a "world-class University leading the drive towards sustainability in Higher Education Institutes and beyond, to our community, region and planet." Our programme is student-led, research-informed and practice-focused and our success demonstrates the strong commitment across all levels and divisions in the university.



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KEY INGREDIENTS

- Students
- Practitioners and managers
- Researchers
- An Taisce and other external agencies



Team work – all working together at the highest level through collaboration and engagement



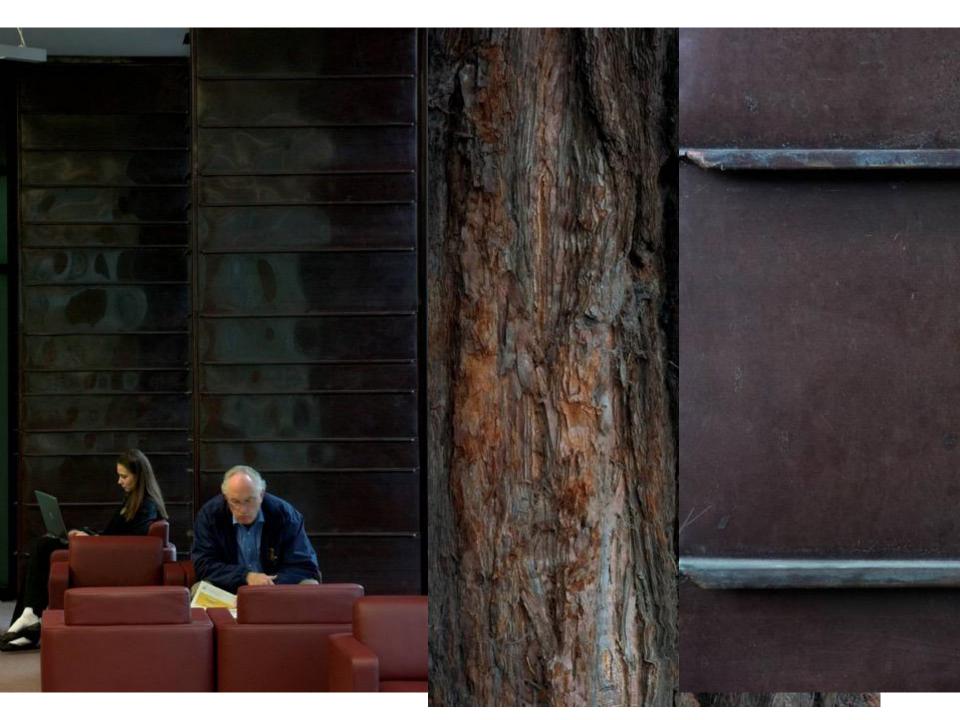


View from Honan Square

University College Cork
Postgraduate Research Library

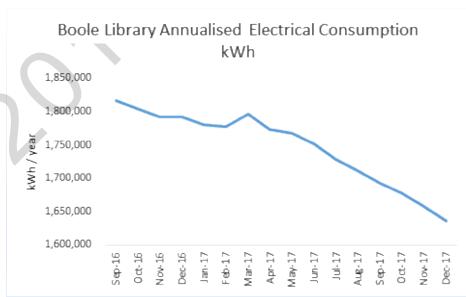






Key Statistics

- Library consumes 10% of campus energy – 1.5 million visits per year
- The Library's energy budget was assigned in 2016
- Savings can be retained!
- A Green Team of staff.
- Waste management & water use also
- Savings in 2018 provided a Green Wall







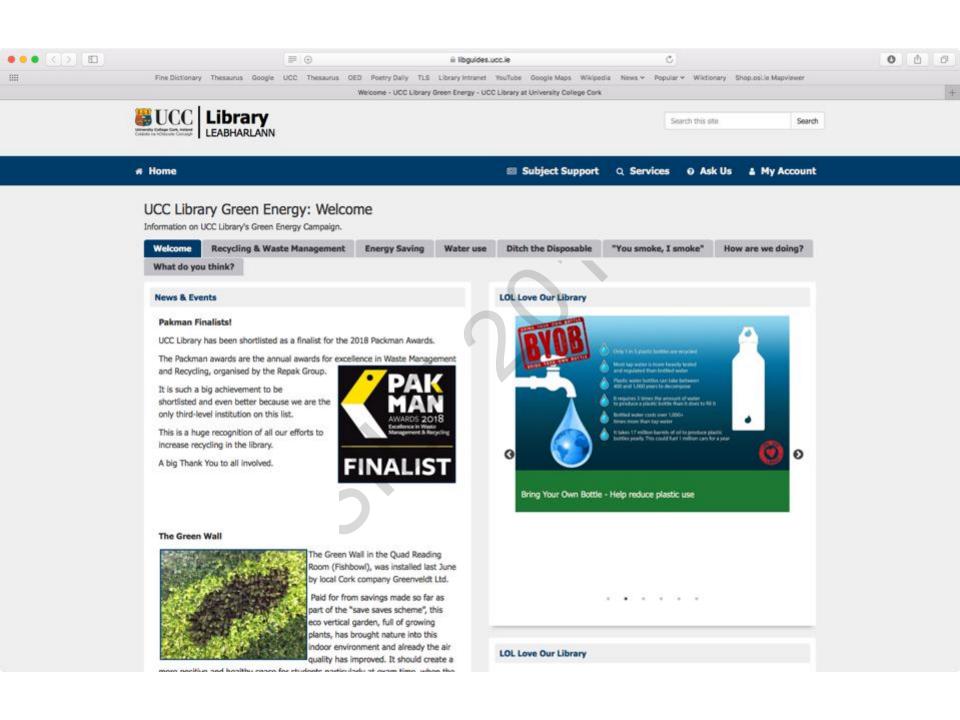










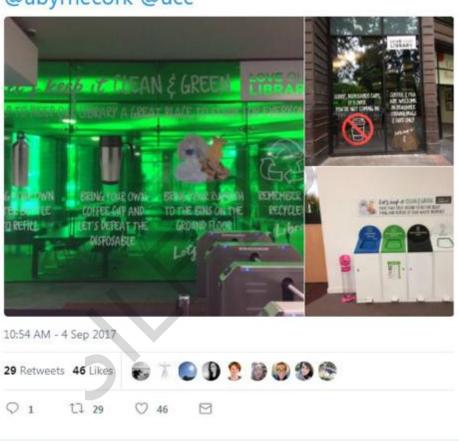




Following

Day 1 of #loveourlibrary. Let's reduce, re-use and recycle to clean and Green the Boole.

@abyrnecork @ucc





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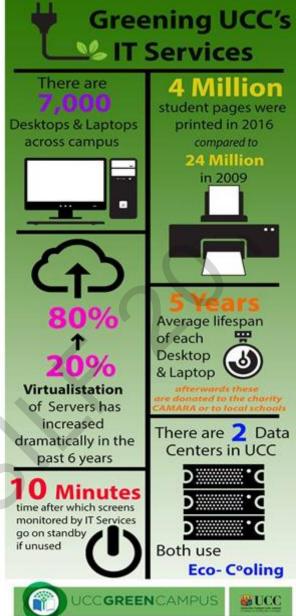
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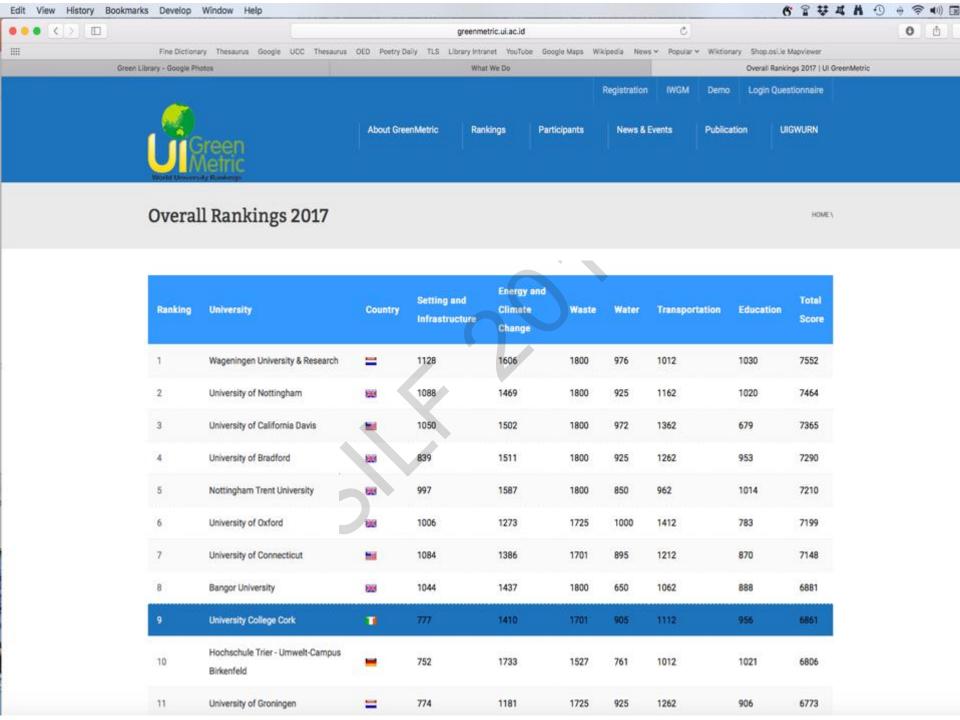


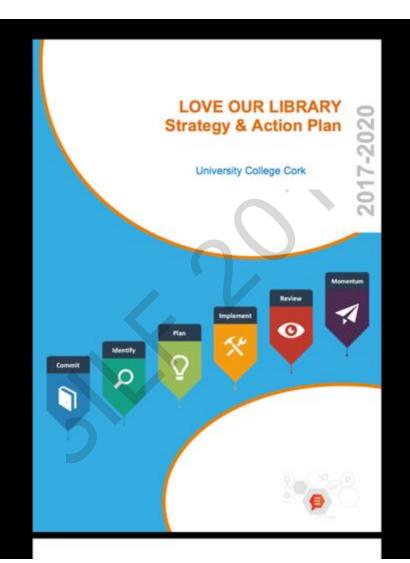
Green Library - Google Photos













Love our Library Campaign Strategy and Action Plan

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eNews July 2018



Navigate stories:

- Arrival of the honey bees!
- Sustainability Summer School
- CRAC Air Quality
 Monitoring Station
- UCC signs principles for responsible investment
- CUH awarded Green
- Saver Saves Scheme update
- ERI Annual report/
 MaREI Volvo Cork
 Week
- A Green Campus Internship

Arrival of Honey Bees to UCC Campus



A lengthy, and bitterly cold winter saw the anticipated arrival of bees to UCC delayed just a tad. However, on the 4th of April, a local beekeeper, Thomas Quigley, established seven hives and one nucleus hive on our North Mall campus.

The introduction of honey bee colonies to UCC is an effort to further improve the university's conservation efforts, while also supporting the National Biodiversity Data Centre's <u>All-Ireland Pollinator Plan</u>. It coincides with plans to provide more habitat for bees, in the form of wildflower meadows, and the development of our UCC Biodiversity Action Plan.

The arrival of the bees also coincided with the news that the EU has agreed a total ban on neonicotinoid pesticides from all outdoor farming fields in Europe. This is welcome news for all bee species To find out more about this ban, read our recent blog post.

This summer, UCC Green Campus also held an information stand at Cork Summer Show, to talk about bees and pollinators and the important role that they play in our food chain. This has become a regular slot for Green Campus and we are delighted to be able to share our experiences with the wider public.

Thankfully, our UCC bees are thriving, with good stocks of honey to bring them over the winter months. To find out more about them, or arrange a visit, contact us at the email given below. To read more about our efforts in biodiversity conservation, see the "Landscape, Heritage and Natural Resources" page on our website.



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Sustainability Summer School in UCC



In May 2018, UCC's inaugural "Sustainability Summer School" took place. The school was a collaboration between UCC, UMASS Lowell, UNAL Colombia, and the Ludgate Hub in Skibbereen. Participants spent three days at UCC and two days in West Cork, learning about sustainable rural development and visiting a real Irish farm! The school took an interdisciplinary approach in exploring themes of sustainability at local, national, and international levels and focusing on how society can "make sustainability work" through incorporating people, planet, peace, prosperity, and partnership.

Particular focus was given to food as a "nexus" theme, that connects all of the Sustainable Development Goals. The week was a mixture of lectures, roundtable discussions, keynote addresses and workshops. A highlight was our "Sustainability Showcase" in the Aula Maxima, which focused on collaborations between UCC and the local community in the area of sustainability. At the Ludgate Hub in Skibbereen, Eamonn Gilmore, the EU Special Envoy to the Peace Process in Colombia gave a keynote address highlighting the role of sustainable development in maintaining peace. Other speakers included Brendan Touhy, Chair of MaREI and Dr Tara Shine, Mary Robinson Foundation.

The packed timetable was a great demonstration of the level of expertise within UCC in sustainability. We would like to sincerely thank all those staff members who delivered lectures and helped to organise the event.

















































UCCGREENCAMPUS

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Saver Saves Scheme update



This infographic displays some of the significant benefits the Boole Library has seen since taking part in the scheme. What's more, the Library recently invested some of their savings in the installation of a "living wall" in the Quad reading room.

Living walls are known to increase alertness, decrease noise levels, improve air quality and reduce air temperature during hot days. The Library and Green Campus hope that the wall will enhance students' experience, particularly when studying for exams during the dark winter days.





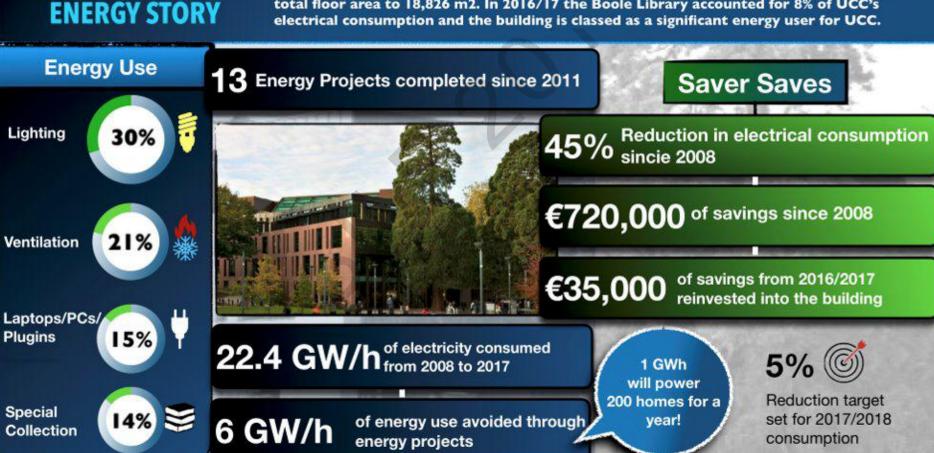




Infographic



The Boole complex comprises of the Boole Library and the adjoining lecture theatres. The original building was constructed in the 1980's and further extended in 2006 to bring the total floor area to 18,826 m2. In 2016/17 the Boole Library accounted for 8% of UCC's electrical consumption and the building is classed as a significant energy user for UCC.



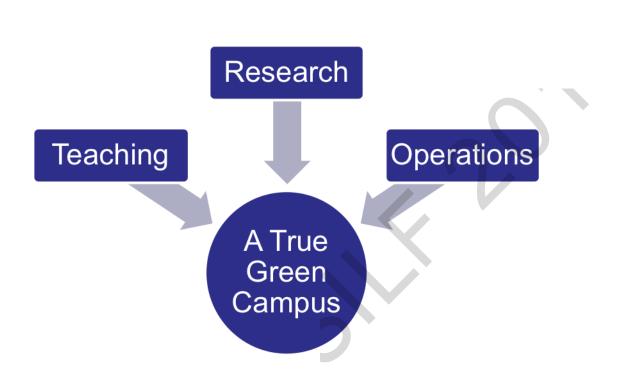








WHAT DOES A GREEN CAMPUS MEAN TO UCC?





Student Led – Research Informed – Practice Focused



AWARDS



GREEN FLAG

First in the world to achieve (2010) First to retain (2013)



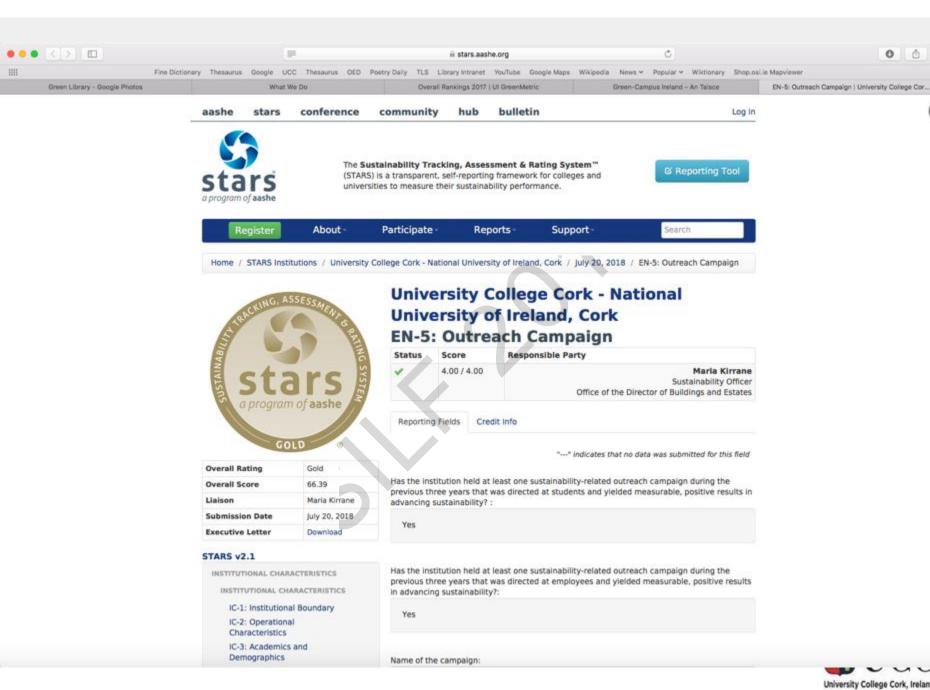
AWARDS



AASHE Gold Star

First third-level institution outside the US to get a Gold Star rating from the Association for the Advancement of Sustainability in Higher Education (2018)





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AWARDS



Cork Environmental Forum (CEF) Environmental Award 2013





First third level institution worldwide to achieve the ISO 50001 energy standard.



2nd place worldwide. Only Irish institution in the top 50.



Environmental Forum Award





University College Cork World's First Green Campus

www.ucc.ie/en/greencampus

Thank You!



j.fitzgerald@ucc.ie