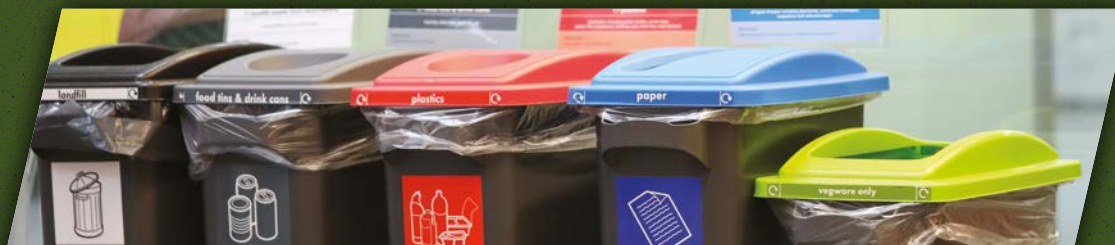


ENVIRONMENTAL SUSTAINABILITY ANNUAL REPORT

August 2022 - July 2023



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Introduction

The University's mission is to make a positive impact locally, nationally and globally by addressing society's greatest challenges. As a university we support citizens and future citizens through research, education, engagement and management relating to sustainability. Our work in this space spans every area of the University, with key teams including the Cabot Institute, Bristol Futures, Procurement, Bristol SU, Bristol Student Hub, External Estates, Public Engagement, Library Services and Sustainability, based in the Campus Division.

This report focuses on the operational and environmental elements of the University's Sustainability Strategy.

SUSTAINABLE DEVELOPMENT GOALS

Sustainable Development Goals

We have used the UN Sustainable Development Goals throughout this report to track our progress with reference to these global goals. Our new, full [SDG report for 2021-22](#) is available on our website.



FOREWORD

The Sustainability Team is responsible for the overall sustainability of operations across the campus, ranging from transport to energy, and delivers this by 'Making a sustainable university, by managing our precious resources, maintaining our sustainable standards and minding our impact on our communities'. Alongside developing and maintaining infrastructure and services, the Team also focuses on behaviour change to support the rollout and uptake of its initiatives.

Of course, the biggest focus across the Team is our target to reduce our scope 1 & 2 carbon emissions to net-zero. In essence this means we aim to reduce our emissions to as low as possible, offsetting a maximum of 5%. The Team is also working on developing ambitious timescales for achieving net zero carbon for Scope 3 emissions, which include the carbon associated with the products and services we buy, as well as travel to and from campus, and other indirect sources.

The aim of our annual report is to be transparent about our performance in

relation to key objectives set out in our sustainability operations sub-strategies. These include biodiversity, carbon, transport, the circular economy and food. It's only by monitoring our performance in relation to our targets that we can ensure we are always striving to improve.



Agnes Chruszcz
Interim Head of Sustainability

Environmental Sustainability highlights 2022-23

- In May 2023 Campus Division launched the Carbon Descent Plan; a series of projects rolling out over the next three years to deliver the biggest return on carbon savings by the simplest activity.
- Maintained our Environmental Management System – ISO14001 accreditation.
- Absolute carbon emissions from sites over which we have operational control are down by 47% from baseline year 2005/06.
- Water consumption is down by 35% from baseline year 2007/08.
- Unibus U1 bus service carried 813,318 passengers between September 2022 and June 2023. The U2 carried 57,004 passengers between August 2022 and July 2023. A combined increase of 0.5% on 2021/2022
- Business travel is down to 36 million km in 2022/23 compared with 57 million km in 2018/19.
- The University's Cleaner Fleet Programme delivered 14 new electric vans with charging infrastructure to replace older fleet vehicles and completed the deployment of a fleet of ten e-cargo bikes across all campuses .
- Less than 0.5% of waste goes to landfill, with 57% being reused, recycled, composted or put through anaerobic digestion in 2022/23.
- Furniture reuse via 'Re-Store' amounted to 22.8 tonnes and saved an estimated £130,000 in avoided furniture costs.
- The Bristol Big Give scheme reused over 16.8 tonnes of materials and generated up to £48,000 for British Heart Foundation.
- 35 of 40 Schools and Departments have now either started writing or are implementing their Climate Action Plans.
- The University retained Fairtrade University status.

CIRCULAR ECONOMY

The University of Bristol has adopted a Circular Economy approach to managing its resources. This offers potential cost savings as well as sustainability improvements and redefines how our institution manages its resources, away from a linear model of ‘make, purchase, consume and dispose’.

Sustainable consumption, waste prevention & reduction

Sustainable consumption best practice is key to our circular economy targets, as well as waste prevention and reduction. ‘Whole Life Costing’ models were developed in 2018-2019 and our key focus is working with teams across the University to embed sustainability into the tendering process to ensure waste costs are considered in the process, along with other broader sustainability criteria.

In April 2022 we introduced a new Furniture, Fixings and Equipment Policy and are now working on embedding circular economy principles in our furniture and other equipment purchase tenders as well as other contracts such as removals.

We are also working with our supply chain on developing interventions, such as the introduction of reusable hazardous and clinical waste containment, which we will pilot on selected sites throughout the 2023/24 academic year.

Reuse, recycle, compost and anaerobic digestion

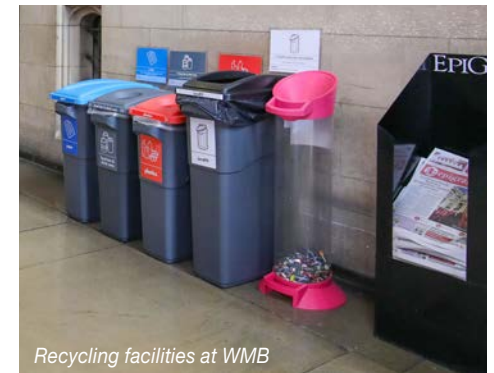
The University has a goal to reuse 10% and recycle 65% of total ‘at source’ waste produced by 2026. This year we achieved a combined reuse, recycling and composting (through anaerobic digestion and windrow composting) rate of 57%. This is an increase from previous years and was mostly driven by the increase in the food waste separated for anaerobic digestion through our catering operations.

An additional 3% of our waste stream was reused through our in-house furniture reuse platform ReStore and working with charities such as SOFA Project, Unseen, Children’s Scrapstore, Bristol Wood Recycling Project and Better World Books.

ReStore alone enabled a redistribution of 22.8 tonnes of furniture across our campus and provided an estimated saving of around £130,000 for the University. There has been an increase in STEM departments reusing consumables and equipment, amounting to a further two tonnes of reuse.

Incineration, Energy from Waste and landfill

In 2021/22 the University sent only 0.1% of its waste to landfill, recovering energy from waste (EFW) wherever possible. We continually review the destination and disposal routes we use with our contractors and, this year, decreased the quantity of waste incinerated without energy recovered from 5.3% in 2020/21 to 4.2% in 2022/23.



Recycling facilities at WMB



Collecting furniture for the Re-Store scheme



An Environmental Management System (EMS) is a framework for managing an organisation's environmental impacts. ISO 14001 is an international standard providing guidelines for establishing and operating an EMS. The Sustainability Team uses ISO 14001 to enhance environmental performance, reduce risks, and demonstrate commitment to sustainable practices and output.

The Team maintains and annually reviews an environmental legislation register, available on our website, which covers all emissions and discharges, providing assurance for pollution prevention and compliance with legislation.

Sustainable procurement best practice is key to our circular economy targets and supports the University's progress towards our targets in waste prevention and reduction.

The University's Responsible Procurement Plan 2019-23 sets strategic objectives for sustainable procurement, social value and ethical sourcing and is the process of being replaced by a strengthened Responsible Procurement Plan 2024-2030, which will guide plans to the end of the University's Strategy period.

The policy and subsequent processes that followed work towards embedding into all tenders a balanced consideration of social, ethical, environmental and economic impacts as well as value for money, evaluating the whole-life costs of major goods, services and works.

Scope 3 emissions reporting

During 2022/23, the University participated for the second time in national reporting of Scope 3 emissions (i.e. those from our supply chain). Continued participation will improve our understanding of this area, as well as working closely with our trusted suppliers.

This complements the (historically more developed) reporting that the University has been able to do for Scope 1 and 2 emissions, which already allow us to identify our highest-emission processes and building locations (e.g. low-temperature storage freezers).

Replacement of high Scope 1 & 2 equipment

One of our key priorities continues to be supporting the purchase of less carbon-intensive equipment. This is difficult to achieve without considerable resources in energy efficiency and alternative energy consumption (e.g. replacing gas boilers with heat-pumps). The Procurement Team is working with

the Sustainability Team to facilitate a relatively small number of initial changes (e.g. known changes in pilot buildings), to review and influence current investment and maintenance programmes, and to scope the further changes required. This project is dependent on the wider strategic appetite for physical change within the plan period.

Local supply

The University's spend on products from suppliers based within the West of England city-region increased in 2022/23 to £45m, from £28m the year before, due partly to an extension of procurement locally based construction companies for medium-level refurbishment and construction projects. This reduces the number of miles travelled by contractors and supplies in transit, and contributes to the economic resilience of the city-region.

The University works with other higher education institutions and public bodies in the local region to maximise the ability of local suppliers to tender successfully and to deliver social, environmental and economic benefits in the South West.



TRAVEL AND TRANSPORT

Transport is essential to delivering the University's mission yet responsible for some of its most significant negative impacts on the environment. Managing these impacts is a key focus for the Sustainability Team through its Travel and Transport Delivery Plan.

The Plan aims to reduce transport-related emissions by applying the sustainable transport hierarchy, in summary:

- reduce demand for travel and transport and reliance on motorised modes through smart working practices and campus development;
- make sustainable travel (such as cycling, walking, public transport and car-sharing) the first choice for all essential commuting and business journeys;
- improve the efficiency of operational and supply chain transport by reducing journeys and shifting to zero-emission technologies.

Among the key activities undertaken by the Team on a day-to-day basis to achieve these aims are:

- managing and developing the contract for Bristol Unibus, a high-quality bus network linking University campuses at Clifton, Stoke Bishop and Langford;
- enhancing trip-end facilities for staff and student cyclists (secure cycle parking, showers, etc.) across the University estate;
- managing and developing University parking policy in a way that balances essential vehicle access across the estate with the environmental impacts of private car use;
- working with capital development colleagues to ensure that all new campus developments meet the highest industry standards for sustainable transport provision;
- offering advice, practical support and incentives to staff and students to encourage the use of sustainable travel for all types of journeys (e.g. Cycle to Work scheme, discounted bus tickets);
- modernising University fleet transport operations through investment in electric vehicles and e-cargo bikes and introduction of a fleet management system; and
- supporting faculties and professional services divisions to measure and manage their wider transport footprint, e.g. from air travel, through the Climate Action Plan process.



Staff travel

The percentage of staff commuting to work by a sustainable mode is starting to improve again post pandemic. According to the Travelwest Travel to Work Survey (March 2023), 82% of staff commuting journeys were made by walking, cycling, car sharing and public transport modes of transport, and 19% by single occupancy car (78% and 22% respectively in March 2022). Although the target of 85% has still not been achieved, progress has been made. The average comparable mode shares for all Bristol organisations in March 2023 included in the survey were 67% and 29% respectively. Participation in the University's Cycle to Work scheme has increased by 17% since 2021/22 (225 participants in 2022/23), which supports the increase in cycling from 20% (2022) to 26% (2023) as a mode of commuting. The Sustainability Team will continue working to secure investment and review policy to help reach our targets.

Student travel

The percentage of student journeys to study by a sustainable mode remains at a reported 86%, as no further data is currently available. A student travel survey will be undertaken in 2023 to assess progress towards the target of 96%. Further work will be required in the next 2-3 years to reach our target. Usage on the Unibus U1 dropped slightly and increased on the U2 service. With a total of 870,142 passengers for the period of August 2022 to July 2023.

University fleet

We made further progress in 2022/23 towards our target of a 100% electric road vehicle fleet by 2026.

Investment from our Cleaner Fleet Programme delivered 14 all-electric vehicles to replace older diesel models, bringing the EV share of the University road fleet to nearly 30%.

Work began in parallel on the upgrade of EV charging facilities for fleet vehicles across all campuses.

A fleet of ten e-bikes including six Urban Arrow cargo bikes was also brought into operation on 2022/23 to further support the drive towards a net-zero campus.

ENERGY, CARBON AND WATER

Our target is to become net-zero in our scope 1 & 2 emissions from our buildings. Beyond that we are focused on lowering our scope 1, 2 & 3 emissions with our Carbon and Water Strategy.

Increasing the efficiency of our asset base

Improving the efficiency and decarbonising energy use in buildings is key to reaching our net-zero target. A number of things must be considered including asset status, use and age, as well as whether the demands on the asset are the same as they were at the time of build. The work to improve the efficiency of the Biomedical Science building, including replacing an old Combined Heat and Power (CHP) engine with new high efficiency boilers, will see significant carbon and financial reductions with a return on investment of under six years. Work has also been conducted in a number of buildings, such as Life Sciences, to improve the efficiency of the domestic hot water systems, reducing heat loss.



The table below outlines our scope 1 & 2 carbon emissions from our buildings in tonnes:

	Co2 emissions	Co2 Target
2005/06	46,701	
2018/19	31,389	
2019/20	27,514	
2020/21	27,253	
2021/22	25,008	25,000
2022/23	24,925	22,000
2023/24		19,000
2024/25		16,000
2025/26		13,000
2026/27		10,000
2027/28		7,000
2028/29		4,000
2029/30		1,000

Overall, Scope 1 & 2 carbon emissions from our buildings are down by 47% from baseline year 2005/06.

Building energy controls

Our newly upgraded Building Energy Management Systems enable us to reprogram our control systems to identify and eliminate energy waste, for example, making sure that a building is not being cooled when it is also being heated. Implementing these controls at our Arts and Social Science Library has reduced gas use by enough to heat 25 homes a year, and we are making great strides at Life Sciences,

Dorothy Hodgkin Building and the Richmond Building too. The newly established Campus Smart Technology Team is identifying many more opportunities to make savings like this as our campuses become smarter.

Renewable energy

We have increased our solar capacity by nearly 100kW. With just under 500kW of solar power now available across Hiatt Baker, National Composite Centre and Langford, as well as several smaller sites. We are reviewing opportunities to use more solar power and heat pumps, but this is not without its challenges – particularly as the electricity grid is undergoing momentous change to accommodate more and more individuals and organisations becoming energy producers rather than consumers.

We're also looking at ways to recycle heat that might otherwise have been wasted, particularly from computer servers – promising sites have been identified and will be further investigated in 2023/24.

Our 8 point plan to reduce carbon emissions

1. Using space better
2. Not using energy where we don't have to
3. Using energy as efficiently as possible
4. Designing new buildings to be energy efficient, and to accept low carbon sources of heat and power
5. Using renewable energy on site
6. Making use of renewable energy from local sources, such as biomass and district heat
7. Using low carbon electricity from elsewhere in the UK, such as offshore wind
8. Offsetting the remainder

ENERGY, CARBON AND WATER



Meter reading at Stoke Bishop Halls of Residences

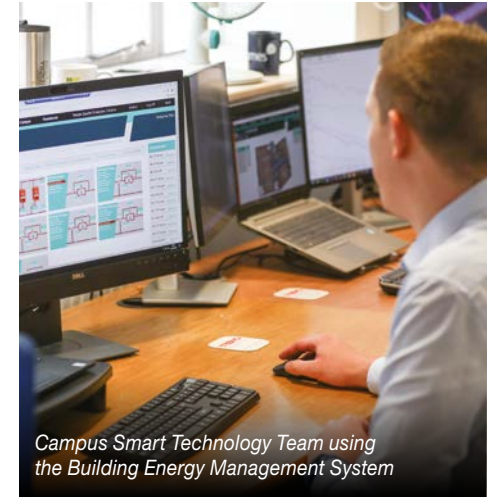
Contracts

By working with other Universities, we can reduce financial risks from escalating energy prices and encourage new renewable energy installations. We currently buy 10-20% of our electricity directly from windfarms using contracts called Power Purchase Agreements and are working on investigating further opportunities to increase this. The recent price volatility in the electricity markets and changes to material prices and interest rates have introduced uncertainty, but we hope to make an announcement in early 2024.

We are also working closely with Bristol City Council, and its partners, in preparation to connect to the new district heat network. For example, the new Dental School has been built with a connection already in place for when heat becomes available. In future we may also be able to use waste heat generated from within our laboratories and computers to provide heat to the local community.

Water

Water consumption is back to the pre-pandemic level. However, consumption is still down by 35% in comparison to the baseline year of 2007/08.



Campus Smart Technology Team using the Building Energy Management System



Certifications

We measure our carbon to an international standard called ISO 14064, so that we can transparently demonstrate that the carbon reductions we make are real. Achilles recently renewed our certification, confirming that the organisation is actively working to measure and manage its carbon footprint.

SUSTAINABLE SCIENCE

STEM laboratories at the University of Bristol account for 40% of our energy and waste budget as well as 32% of our annual water bill, but only occupy 6% of our space.

In order to reduce our scope 1 & 2 carbon emissions we are prioritising improvements to our STEM buildings in terms of infrastructure, equipment, and controls. The equipment, consumables and chemicals we purchase and consume through our scientific activities account for the majority of our scope 3 emissions across the University. By considering life cycle costs and purchasing efficient equipment we can significantly reduce our environmental impact whilst improving research. Considering how we operate our labs also helps us achieve vast energy and carbon savings and we engage with our scientific community, through schemes such as Green Lab Certification, to achieve this.

We aim to reduce the energy consumption within our STEM buildings by 40-50% in line with our Carbon Net Zero plans.

100% Green Lab Certification

The University of Bristol was the first to achieve 100% Bronze Green Lab Certification in 2021. The team set a new target of 100% Silver Certification by 2024

and Gold Certification by 2030. Hundreds of STEM staff are involved, and the initiative is mainly driven by technicians, with increased engagement from the academic community required as work progresses towards the 2024 target.

Embedding circular economy principles

We aim to embed circular economy principles within our scientific operations and activities. This includes purchasing in a sustainable manner and increasing our reuse and recycling rates by implementing a lab plastic recycling scheme, switching to glassware in our fly food labs, centralising stores and purchasing, and reusing general lab consumables alongside life cycle carbon analysis.

STEM Climate Action Plans (CAP)

The target is for 100% of STEM schools to have written their CAP towards net-zero carbon. This involves the baselining of School carbon footprints (including scope 3 emissions) with internal and central annual reporting.

At present, 80% of STEM Schools have written their CAP and we are on target for 100% coverage by the end of the calendar year 2024. We have analysed carbon data within different spend and emission categories on the departmental level.



Recycling in laboratories

THE LIVING ESTATE, BIODIVERSITY AND THE NATURAL ENVIRONMENT

We proactively manage land and resources to benefit wildlife and conserve biodiversity. We do this by implementing Habitat Action Plans, minimising chemical use, and conducting regular monitoring surveys. The University of Bristol's Biodiversity strategy comprises of six steps which we report against:

1. Identify and record

Wessex Ecological Consultants once again carried out key species monitoring during 2023. This results in species lists and numbers which contributes to understanding species population (see 3. Monitor) and informs adjustments needed to maintenance plans.

The Botanic Gardens has been undertaking a project to add country of origin names to plant labels as part of a University ethnobotany and global engagement program.

2. Evaluate

External Estates employs qualified ecologists including an assessor for Building with Nature and a 'Suitably Qualified Ecologist' for BREEAM. Fenswood Farm has been working with Students Organising for Sustainability (SOS-UK) and several other university farms to research 'Farming for Carbon' as part of an initial five-year program.

3. Monitor

All sites are monitored for key habitats, key species, relationships to external sites which helps to identify opportunities to engage and form partnerships with local industry and action groups (part of civic engagement). Recent interactions include Bristol's Green Squares and Secret Gardens and Birdcage Walk.

4. Conserve

The Botanic Gardens displays native species of local and national importance and continue to develop and maintain unique plant collections of national and international importance. For example, it maintains a living gene bank of threatened species from the South West of England.

5. Enhance

Fenswood Farm has contributed to a community led initiative for the production of a bespoke local wildflower seed which will have a positive impact for Long Ashton.

External Estates are actively engaging in Biodiversity Net Gain; whilst Wyndhurst Farm (Langford) is pursuing Countryside Stewardship and Fenswood Farm (Long Ashton) the newly launched Sustainable farming Incentive.

6. Inform

External Estates continues to work in partnership with schools and faculties to use our natural environment. In 2022 Gardens and Grounds released an app which can be used to identify trees within the University campus. It contains over 4900 individual specimens and interesting facts about key species.



Pollinators at the Botanic Gardens



One of many bird boxes at Royal Fort Gardens

ETHICAL AND SUSTAINABLE FOOD

Since 2019, we have undertaken an innovative catering strategy: aimed at fostering sustainable food practices. Throughout this period, we have significantly influenced our campus and the environment positively. The achievements underscore the collaborative contributions of Source Catering and the broader campus community, emphasizing sustainability as the cornerstone of our operations.

Key milestones attained include:

- **Elimination of Single-Use Plastics:** We successfully reached our objective of eliminating all single-use plastics from our in-house dining areas, achieving this three years ahead of the government deadline.
- **Plastic Reduction:** Setting an ambitious target to reduce plastic packaging for “Grab and Go” items by 50% across all sites by 2022, Source Catering surpassed expectations by transitioning 90% of products to reduced plastic alternatives. Our commitment extends to making 95% of our “Grab and Go” offerings plastic-free by 2025.
- **Ruminant Meat (Beef & Lamb):** As part of our environmental impact reduction efforts, we have removed ruminant meat from
 - our retail sites and significantly decreased offerings in catered halls. Ongoing exploration of incorporating compound meat and vegetable proteins into recipes aligns with our commitment to sustainability and animal welfare.
 - **Carbon Footprint Mapping:** Investment in innovative technology, such as the Klimato app, enabled us to map the carbon footprint of all food and drink offerings. Our goal is to achieve a 20% reduction by 2024.
 - **Supporting Local:** We proudly support local businesses by increasing the percentage of local suppliers within a 30-mile radius, exemplified by our partnership with Clifton, a local coffee supplier.
- **Eco-Friendly Transportation:** Our shift to fully electric vans resulted in a significant reduction in carbon emissions from 50+ metric tonnes to 14 metric tonnes. Eco-Certified Cleaning: Transitioning to eco-certified cleaning chemicals not only reduced plastic waste but also led to a remarkable 72% reduction in carbon emissions.
- **Elimination of Single-Use Coffee Cups:** The removal of single-use coffee cups from select locations, coupled with the introduction of a levy, reinforces our commitment to eco-friendly choices.
- **Plastic Bottle Elimination:** Our café range now exclusively features more sustainable options, including cans, glass bottles, and reusable aluminum water bottles.
- **Menus of Change Membership:** Embracing the principles of Menus of Change, we are proud members of the Menus of Change University Research Collaborative (MCURC), collaborating with researchers and students worldwide to encourage plant-based choices.
- **Repurposing and Reusing:** Actively exploring methods to repurpose and reuse supplier packaging underscores our dedication to innovative waste reduction.
- **Food Waste Reduction:** Our commitment to reducing food waste has led to significant improvements, with a 15% reduction in student meal-generated waste across catered halls in 2022 compared to 2021.

In line with our ethical and sustainable sourcing, animal welfare, and diverse dietary options, our Food Charter reflects a dedication to community welfare and a brighter, healthier future. We offer a diverse range of plant-based options, Halal food, and meat-free days, with a focus on creating lifelong eating practices that promote wellbeing. Our collective journey towards sustainability invites everyone to join us in cultivating long-term well-being for all, one student and one meal at a time.

EDUCATION

The new ISO 14001:2015 standard provides the University with the opportunity to include additional sustainability criteria in the Environmental Management System (EMS) over and above environmental considerations and the University has included Education for Sustainable Development within this management system since 2012/13. This made Bristol one of the first universities within the Russell Group and one of only a handful in the sector to do this.

The ecological and climate emergency will disrupt society, whether because of the changes we must make or because of the negative impacts of climate change. Enabling students to explore global challenges alongside students from other disciplines and through extracurricular activities and education supports the development of tomorrow's global citizens, improves employability and respond to a growing demand from students to discover ways that can have a positive impact on the world.

The challenge the University faces with regard to sustainability in education is to find ways of integrating this into our educational offerings and quality processes, recognising that different subjects will need different approaches and be able to move at different speeds.

The University's approach to Education for Sustainable Development (ESD) aims to engage students with the concepts of sustainability and sustainable development, both through interdisciplinary challenge-focused units and discipline specific content. In all cases, this will link to the themes of the Sustainable Development Goals (SDG), though different disciplines will

prioritise different themes, depending on what is appropriate.

Education for Sustainable Development Staff Network

Launched in 2021, our ESD Network brings together staff to share information and understanding around this growing area. The Network hosted a plenary event, and several small working groups focused on experience-sharing regarding new sustainability-themed master's degrees. The aim is to continue to build a bottom-up community of staff to share expertise and best practice.

Bristol Futures Units

Bristol Futures enables learners to study global challenges and fulfil their academic and personal potential. Designed for our students and keen external learners, Bristol Futures provides an opportunity to tackle the key challenges in Global Citizenship, Sustainable Futures and Innovation and Enterprise.

In 2022/23 the Sustainable Development unit provided 239 students with an interdisciplinary, activity-based experience of sustainability

challenges and potential ways forward. Sustainability is also incorporated into other Bristol Futures unit content as appropriate.

Sustainable Futures Online Course

The four-week Sustainable Futures course, available through FutureLearn, ran three times throughout 2022/23 academic year, providing both University of Bristol students and learners from elsewhere the opportunity to explore sustainability and ways in which they can contribute. It has now been taken by over 14,200 learners around the world, including several thousand University of Bristol students.



Green Labs plants students



Carbon Footprints Game at Senate House October 2022

STAFF AND STUDENT ENGAGEMENT AND BEHAVIOUR CHANGE

Our Staff and Student Engagement and Behaviour Change Strategy sets out our aims and objectives for engage and collaborating with our University community. For 2022-23, our focus was on rejuvenating sustainability engagement amongst staff and students by fostering meaningful and impactful interactions, and to be a driving force, encouraging our university community to do the ‘right’ thing when it comes to sustainability. Read on to find out more about our key campaigns and initiatives.

Departmental Climate Action Plans

At the University of Bristol, Climate Action Plans (CAP) set out the specific carbon reduction activities that will be implemented to reduce carbon emissions within each School or Department. Issues and actions are established by the School or Division CAP committee and logged and monitored via the Climate Action Planning Tool.

Throughout the year, the Sustainability Team supports CAP committees to develop and implement CAPs through communications and engagement activities. Each December, committees are asked to share their updated CAPs with their Head of School/Department for approval.

In January 2023, 33 of the 42 (80%) Academic Schools and Professional Services Divisions submitted the CAPs for the first annual review by the Sustainability Team. Across these CAPs, a total of 1021 actions were selected, 434 started, 60 completed and 535 pieces of evidence have uploaded.

During the 2023/23 academic year, approximately 168 individuals contributed to their School or Divisional CAP as

voluntary committee members. Two part-time Sustainability Officers have also been appointed to support CAP projects within their schools.

The Sustainability Team is working on providing carbon analysis data for Scope 1, 2 and 3 emissions to help monitor impact. In 2022/23, some scope 1 and 2 data was made available for STEM schools to support with the implementation and monitoring of actions set out in those plans.

The most selected impact areas were:

1. “We are keen our approach to departmental sustainability is inclusive”
2. “We host visitors for meetings, conferences and other external-facing events”
3. “Our staff travel as part of their work e.g. for meetings, events, site visits, deliveries”

Sustainability Champions

Building on the success of the Sustainability Champions pilot of 2021/22, 14 student sustainability champions were appointed across six faculties and 11 schools, managed by the Students’ Union. These students were employed 5-6 hours per week to work within the specific School/Faculty of their course, in partnership with academics and staff, on integrating sustainability into the curriculum. They worked on student feedback and engagement activities such as surveys, feedback sessions and design challenges (Innovation), as well as curriculum reviews and proposals for unit content and new units, field work and lab content and induction, student-led business proposals and consulting, careers events and student research presentations. Find out more on **the Bristol SU website**.

Climate Action Bristol with Bristol Hub

Bristol Hub works with students and our local community to mainstream student social action. Through our partnership with the Hub, we support students to gain skills in

climate action planning and partner with local businesses to develop a Climate Action Plan (CAP). This year 26 students worked with six clients, with 82% agreeing they developed professional skills from this initiative.



CAP Peer Review Session, May 2023



Sustainability Champions at Bristol SU

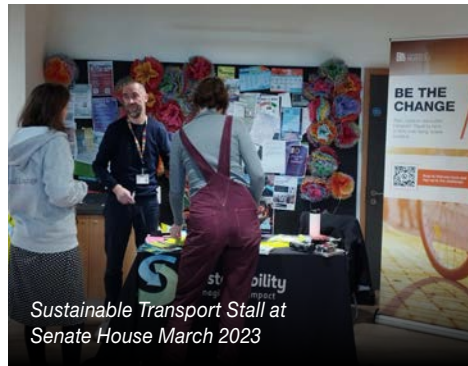
STAFF AND STUDENT ENGAGEMENT AND BEHAVIOUR CHANGE

Be the Change campaign

'Be the Change' is a broad sustainability behaviour change campaign that aims to educate and engage staff and students as individuals while bringing together the four pillars of the Sustainability Strategy (Education, Research, Civic Engagement and Operations).

The campaign, launched in October 2022, focuses on six lifestyle areas; food, fashion, travel, electricals, water & energy and action. The Sustainability Team facilitates primarily in-person events and activities to encourage active engagement with the campaign and, raise awareness and educate people on the topic of the month. Staff and students are invited to challenge themselves to make changes as part of the campaign.

In January 2023, Bristol SU joined forces with the Sustainability Team and adopted the 'Be the Change' campaign, increasing awareness and impact amongst the student population. Student societies are now encouraged to run events in line with the Be the Change monthly themes.



Sustainable Transport Stall at Senate House March 2023



Community Litter Pick November 2022

As part of the campaign, the Sustainability Team organised 22 events and activities, attended by approximately 1,000 staff and students during the 2022-23 academic year.

Talks and activities:

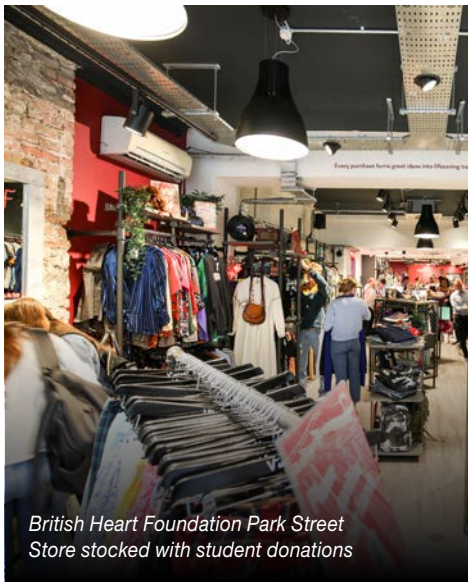
- An Introduction to the University's Sustainability Strategy (October 2022)
- Climate Anxiety Panel (October 2022)
- Climate Café (October 2022 & February 2023)
- "Watt's Next?" Energy Talk (November 2022)
- "Every Drip, Every Drop" webinar with Bristol Water (November 2022)
- Hedgehog Friendly Campus Litter Pick (November 2022 and February 2023)
- "The Impact of Digital" webinar (December 2022)
- Bristol Waste outreach pop-up (December 2022)
- Fix my Crack repairs pop-up shop (December 2022)
- Plant-Powered Cookalongs in partnership with National Centre for Integrative Medicine (3 events throughout January 2023)
- Free Vegan Food – 800 servings given away at Senate House (January 2023)
- "Transforming to Sustainable Food Systems" with Dr Taro Takahashi (January 2023)
- "What is the impact of climate activism?" with Prof Colin Davis (February 2023)
- "Barriers to cycling in Bristol and what to do about them" panel discussion (March 2023)
- Sustainable transport pop-up stall (March 2023)
- Clothes Swap (April 2023)
- "The Afterlives of What We Wear" with speakers from the industry (April 2023)
- "Smart Buildings & Energy Management" with Chris Jones, Sustainable Energy Manager (May 2023)
- "The Environmental Impact of Digital Technology" with Chris Preist, Professor of Sustainability & Computer Systems (May 2023)

In addition, the Bristol SU and societies ran a number of complimentary events coinciding with the campaign themes.

STAFF AND STUDENT ENGAGEMENT AND BEHAVIOUR CHANGE

Bristol Big Give

We continue to work with our partners across the City on our annual student reuse campaign, Bristol Big Give. The students in our halls of residents have donated around 16.8 tonnes of quality goods that generated around £48,000 for British Heart Foundation (BHF). The city-wide campaign, in partnership with UWE, saved in excess of 135 tonnes of textiles and reusable items and generated an income for the charity of over £230,000. BHF's new flagship vintage clothing shop open on Park Street in August 2022 and is primarily stocked with items collected from student donations throughout the year's campaign.



British Heart Foundation Park Street Store stocked with student donations

Fair Trade

As a "Fairtrade University" our Fair Trade steering group meet quarterly to discuss progress against actions to ensure our supply chain upholds Fair Trade principles and that we're educating staff and students in the relevance of Fair Trade. Each year, the University supports "Fairtrade Fortnight", and through February to March 2023 this involved various Fairtrade themed competitions with the Source Café, a Fairtrade film screening at Senate House Loft and a number of Fairtrade food pop-up stalls across campus.



IEMA Corporate partnership

Since 2021 the University is an IEMA (Institute of Environmental Management and Assessment) Corporate Partner. This partnership programme aims to develop staff and student skills in environment and sustainability, by offering training and networking opportunities, ultimately helping the University address the significant sustainability challenges it faces.

Social Media

The Sustainability Team manages Instagram, Twitter and Facebook accounts to help share key messages and campaigns with staff and students. There is a combined following of c.4k followers across the three channels. To maximise reach, the Team also works closely with the central University social media managers to share content with a wider audience.

Sustainability Newsletter

The Team writes and distributes a monthly newsletter to staff, student and public subscribers. In 2022-23 the newsletter had c.500 active subscribers, with an average open rate of 40%.


Sustainability 'Recommended Training' for staff

The Sustainability Team developed a course that is recommended through the University's e-learning platform to all staff. The course explores what it means to be a sustainable university and how we integrate sustainability into all our activities through our Environmental Management System. The course launched in January 2023 and was completed by several hundred members of staff in the pilot six months.




Barriers to Cycling in Bristol Panel Discussion March 2023

bristol.ac.uk/sustainability

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