



# SUSTAINABILITY ANNUAL REPORT



2021/22



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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.



We have used the UN Sustainable Development Goals throughout this report to track our progress with reference to these global goals.

Please visit [www.un.org/sustainabledevelopment/sustainable-development-goals/](http://www.un.org/sustainabledevelopment/sustainable-development-goals/) for more information.

# FOREWORD

“The Sustainability Team is responsible for the overall sustainability of operations across 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’.

**A**longside developing and maintaining infrastructure and services, the Department also focuses on behaviour change to support the rollout and uptake of its initiatives.

Of course, the biggest focus across the Department is our target to reduce our scope 1 & 2 carbon emissions to net-zero by 2030. In essence this means we will reduce our emissions to as low as possible, offsetting a maximum of 5%. The Department is also working on agreeing ambitious timescales for achieving net zero carbon for Scope 3 emissions, which include the carbon associated with travel to and from campus, as well as other indirect sources, in particular the products and services we buy.

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.”



**Martin Wiles,**  
Head of Sustainability



# SUSTAINABILITY AT A GLANCE

**NET ZERO CARBON** BY 2030

46,701 tonnes\*  
25,000 tonnes  
in 2021/22

**CO<sub>2</sub>**

▼ **46%** \*\*

**ISO14001**

re-certification

water consumption †

▼ **37%**

**£0.5m** saved

by Sustainable Science and Green Labs

**£235,000** —

allocated to electric vehicles

**35 / 40**

Schools and Depts

have started their Climate Action Plans

**55%** of waste

reused, recycled, composted, anaerobically digested

**<1%**

goes to landfill

Business travel

▼ **37** million km ††

**150** tonnes

CO<sub>2</sub> saved

from system upgrades

The U1 and U2 carried **865,532** passengers

an increase of **175%** since 2020/21

**15** tonnes

furniture reused

**Fairtrade University**

**Bristol Big Give**

generated up to **£14,000** for local charities

\* 2005/06 baseline year from which our net zero for scope 1 & 2 carbon emissions target is based

\*\*from baseline year 2005/06

† from baseline year 2007/08

†† Compared with 57m km in 2018/19



## EMISSIONS, DISCHARGES AND ENVIRONMENTAL MANAGEMENT SYSTEM

11 SUSTAINABLE CITIES AND COMMUNITIES



**The University's ISO14001 accreditation is reviewed annually.**

The University successfully passed an audit for ISO 14001:2015 in 2022. The University's system examines the University's output and not just its operation.

Sustainability continues to maintain an annually reviewed environmental legislation register, available on our website, which covers all emissions and discharges, providing assurance for pollution prevention and compliance with legislation.

The new ISO 14001:2015 standard provides the University with the opportunity to include additional sustainability criteria in the EMS over and above environmental considerations.

This provides a framework for other strategic themes including Circular Economy, Sustainable Procurement, and Ethical and Sustainable Food.



## PROCUREMENT

11 SUSTAINABLE CITIES AND COMMUNITIES



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.

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 2021/22, the University made good on a long-held ambition to participate in national reporting of Scope 3 emissions (i.e. those from our suppliers). Continued participation will improve our understanding of this area, as well as working closely with our trusted suppliers.

### 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 Sustainability colleagues 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.

### Local supply

Our aim is to increase the University's spend on products from suppliers based within the West of England city-region from £28m to £40m by 2030.

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 delivery social, environmental and economic benefits in the South West.

Brexit, Covid and the war in Ukraine has led to increases in costs and rigidities in supply chains. This has made it more difficult to meet University requirements, and has made the introduction of environmental and social contributions more challenging.





# 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 and reduction

Sustainable consumption best practice is key to our circular economy targets, as well as waste prevention and reduction. ‘Whole-life cost’ 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 our new Furniture, Fixings and Equipment Policy and tendered for a supplier that meets our sustainability needs, with the aim of repairing and repurposing existing furniture before buying new.

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 2022/23 academic year.

## Reuse, recycle, compost and anaerobic digestion

In 2021/22 we continued to recover from the Covid 19 pandemic. As the restrictions began to be lifted across the UK as well as the implementation of blended working, the amounts and types of waste generated were changing compared to previous years.

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 55%. 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 2% of our waste stream was reused through our in-house furniture reuse platform ReStore, food donations and working with charities such as Bristol Wood Recycling Project

and Better World Books. ReStore alone enabled a redistribution of 15 tonnes of furniture across our campus and provided a saving of almost £100,000 for the University.

## Incineration, energy from Waste and landfill

In 2021/22 the University sent only 0.3% 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 4.1% in 2021/22.



## Bristol Big Give

We continue to work with our partners across the City on our annual student reuse campaign, Bristol Big Give. This year, the students in our halls of residents have donated around 8 tonnes of quality goods that generated around £14,000 for British Heart Foundation (BHF). The city-wide campaign, in partnership with UWE, saved in excess of 120 tonnes of textiles and reusable items and generated an income for the charity of over £200,000. 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.



# 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 use of sustainable travel 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.

## Student travel

We set a target for 96% of daily student journeys to study to be made by walking, cycling and public transport modes of transport by 2022. According to the University's student travel survey (March 2020), 86% of university students normally commute on foot, by bike or public transport while 6% travelled by car. The Covid pandemic has again had an impact on how students travel to study, resulting in a greater percentage now travelling by car.

## Staff travel

We set a target for 85% of daily staff journeys to work to be made by walking, cycling and public transport modes of transport by 2022. According to the Travelwest Travel to Work Survey (March 2022), more than two-thirds of university staff (68%) normally commute on foot, by bike or public transport while 27% travelled by car. The average comparable mode shares for all Bristol organisations included in the survey were 57% and 35% respectively. The Covid pandemic has had a substantial impact on how staff commute to work, resulting in a greater percentage now travelling by car.



## Fleet transport

The University operates a fleet of more than 100 road vehicles, managed by schools and departments to support research, teaching and campus operations. In 2021/22, more 80% of this fleet was diesel or petrol-powered and of these vehicles nearly a third were 10 or more years old. With investment from the University and grant funding from the Energy Saving Trust, our Cleaner Fleet Programme has begun the process of modernising the vehicle fleet, with around 30 new electric vans and a fleet of 10 e-cargo bikes due to come into operation in 2022/23.

Further investment and policy change will be required in the next 2-3 years to reach our targets.

**Members of staff from Sport, Exercise and Health being trained in the use of the Division's new electric cargo bikes as part of the Cleaner Fleet Programme.**



# ENERGY, CARBON AND WATER MANAGEMENT

The target of our Climate Emergency Declaration is to become net-zero in our Scope 1 & 2 emissions from our buildings by 2030. Our Carbon and Water Strategy looks at how we will lower emissions across scope 1, 2 & 3.

Our carbon reduction activities fall under the following 8 key areas:

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

## 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. In 2021/22 a pilot project of works at Dorothy Hodgkin Building, totaling £650k, enabled us to upgrade its energy management system and completely refit lighting with state-of-the-art LED lighting with occupancy controls in individual rooms, saving a combined total of 150tCO<sub>2</sub>. We are now rolling out a similar project of works at the Life Sciences and Biomed Buildings.

## 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. There are many opportunities to make saving like this as our campuses become smarter.

The table (right) outlines our scope 1 & 2 carbon emissions from our buildings in tonnes:

	CO <sub>2</sub> emissions	CO <sub>2</sub> Target
2005/6	46,701	
2018/19	31,389	
2019/20	27,514	
2020/21	27,253	
2021/22	25,008	25,000
2022/23		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 46% from baseline year 2005/06.



**A project to upgrade the energy management system and completely refit lighting with state of the art LED lighting is currently underway at the Life Sciences Building.**





# ENERGY, CARBON AND WATER MANAGEMENT

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



## Renewable energy

We currently have 400kW of solar power 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, however there are some problems with this – not least that everyone has the same idea, and the electricity grid is undergoing momentous change to accommodate more and more individuals and organisations become energy producers rather than consumers.

Furthermore, calculations show that even if it were financially viable to implement solar panels across all suitable buildings, this would only generate 5% of our energy requirements, so the challenge to move towards generating our own renewable energy is complex.


We are also looking at ways to recycle heat that might otherwise have been wasted, particularly from computer servers – promising sites have been identified in 2021/22 and will be further investigated in 2022/23.

## Contracts

By working with other Universities, we can reduce financial risks from escalating energy prices and encourage new renewable energy installations. We currently buy 20% of our electricity directly from windfarms using contracts called Power Purchase Agreements and opportunities to increase this are being investigated. 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 2023.

We are also investigating how to work with and encourage Bristol's own district heat network, as a local source of lower carbon heat – progress on the City's new joint venture is expected in January 2023.

## 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. In 2021/22, Achilles renewed our certification, confirming that the organisation is actively working to measure and manage its carbon footprint.



## Water

Water consumption is back to a pre-pandemic level, however consumption is still down by 37% in comparison to the baseline year of 2007/08.



# 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 to net zero by 2030 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 by 2030.

## 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 circularly 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 2030 carbon neutrality. This involves the baselining of School carbon footprints (including scope 3 emissions) with internal and central annual reporting.

At present, 50% of STEM Schools have written their CAP and we are on target for 100% coverage by the end of the calendar year 2022. We have analysed carbon data within different spend and emission categories on the departmental level.



**'Green Labs' ensures that our cutting-edge research can continue to thrive, whilst minimising environmental impacts.**



# EDUCATION

4 QUALITY EDUCATION



The new ISO 14001:2015 standard provides the University with the opportunity to include additional sustainability criteria in the 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 new 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

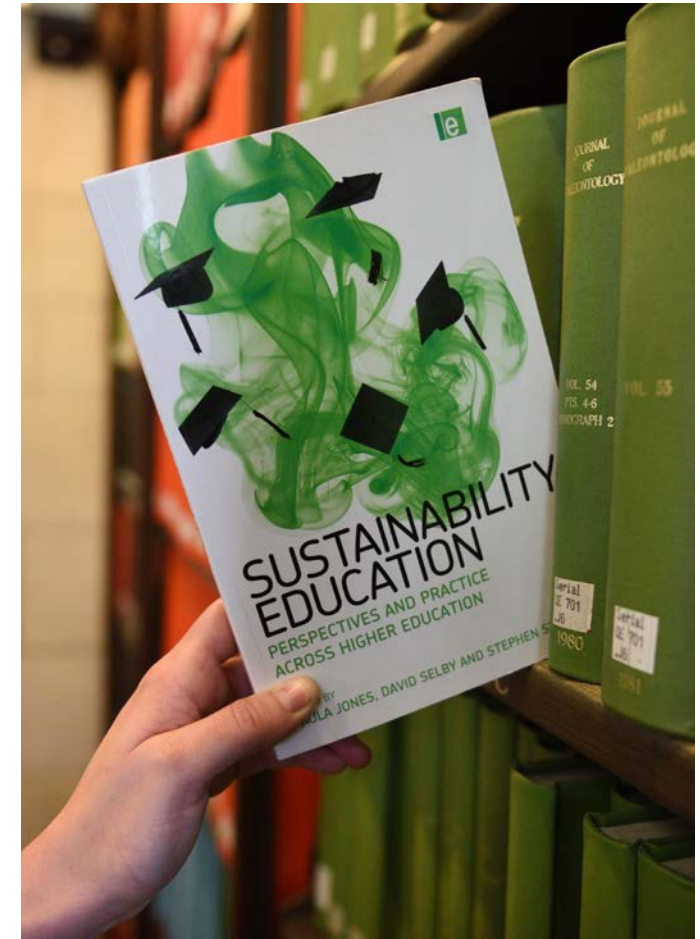
Bristol Futures enables learners to study global challenges and fulfil their academic and personal potential. Designed for our

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 2021/22 the Sustainable Development unit provided 300 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 2021/22 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 14,500 learners around the world, including several thousand University of Bristol students.



**Through teaching and learning our students will be enabled to have a positive sustainability impact on the world outside of the University.**



# THE LIVING ESTATE, BIODIVERSITY AND THE NATURAL ENVIRONMENT

15 LIFE ON LAND



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 2022. 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



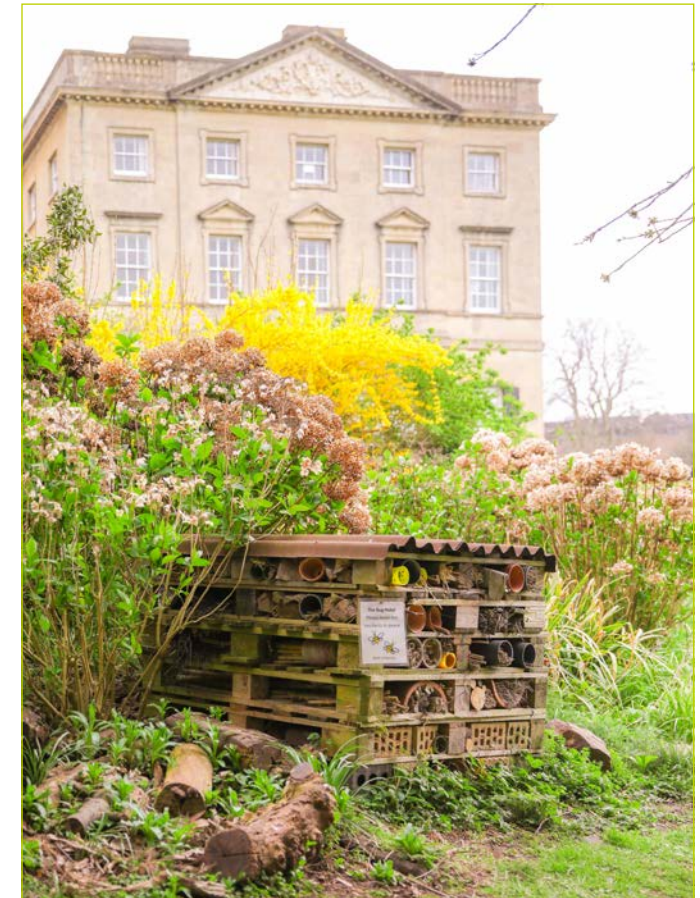
unique plant collections of national and international importance. For example, it maintains a living gene bank of threatened species from the South West of England.

## 5. Enhance

Simone Jacobs (Horticultural Supervisor in Gardens and Grounds) worked with students to achieve Gold, Silver and Bronze awards for Hedgehog Friendly Campus Campaign 2021/22. 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.

## 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.



**The University of Bristol's Royal Fort Gardens has been awarded the coveted Green Flag Award as it is officially recognised as one of the country's best parks.**



# STAFF AND STUDENT ENGAGEMENT AND BEHAVIOUR CHANGE

13 CLIMATE ACTION



Our communication plan includes numerous campaigns and initiatives to engage and collaborate with a diverse mix of staff and students across the University, in addition to engagement with the wider sector.

The impact of COVID-19 has been to reduce the face to face engage with staff and students, but many events and activities happened during 2020/21 both virtually as well as in person. Here are some of the key activities

### Developing and implementing Climate Action Plans across every school and department

A Climate Action Plan (CAP) sets out the specific carbon reduction activities that will be implemented to reduce Scope 1 and 2 emissions. The Sustainability Team developed a Climate Action Planning Tool in 2019, but the initial launch was hindered by the COVID-19 pandemic.

This year, the Team continued to support departments to create, sign-off and implement their plans through a programme of engagement and education around the themes included in the tool with departmental CAP co-ordinators. The target is for 100% of schools and departments to have started to implement their CAP by the end of

2022/23 academic year. In 2021/22, 35 of our 40 schools and departments (87%) had either started writing or begun implementing their plans.

### Green Rewards app

Our points-based behaviour change scheme continued to run for both staff and students in two three-month segments in 2021/22. The programme encouraged participants to complete actions related to their own sustainability and wellbeing on a weekly basis, awarding them points for each action. Prizes were given out to those who took part and achieved the highest scores. The staff scheme involved over 1,000 members of staff who logged over 3,000 actions. The student scheme involved over 500 students, resulting in over 1,000 actions logged.

### Fair Trade

As part of our effort to uphold Fairtrade accreditation gained in early 2021, the University developed a Fair Trade steering group engaging with the Fair Trade Network. Each year the University



supports Fairtrade fortnight and through February to March 2022 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.

### Green Mob

To support various sustainability related initiatives and campaigns across campus, the Sustainability Team recruited and managed a team of c.25 student volunteers. The volunteer group was set briefs, including promoting a survey around student perceptions of

**Sustainability student interns managed a food swap initiative as part of Food Waste Action Week.**

the University's response to the climate emergency, as well as capturing and editing footage and photos of the SU's Climate Day of Action event.

### IEMA Corporate partnership

In the Summer of 2021, the University became 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. This partnership will be developed in 2021/22 for staff and student benefit.

### Social Media

The virtual welcome fair occurred on 7 October 2020. On the day, 606 students visited the Sustainability booth. It is difficult to know the impact of this, but it was felt that it was good to have a presence at this key event.

### Sustainability Newsletter

The Department writes and distributes a monthly newsletter to staff, student and public subscribers. In 2021/22 the newsletter had 450 active subscribers, with an average open rate of 40%.



# ETHICAL AND SUSTAINABLE FOOD



In 2020, an innovative Catering strategy proposed a new direction for the Catering department, supporting the University's Strategic Vision and Campus Division goals by enhancing the student and staff experience; offering greater choice and variety; adapting to the changing trends in food consumption and incorporating a global offer; operating as a 'cost neutral' operation; and adopting sustainable values.

Some of the changes we have seen over the last 24 months have brought the catering strategy to life and the team has seen a marked improvement to the student experience and our sustainability credentials through the publication of a new Sustainable Food Action Plan in 2021. This plan aims to deliver key objectives under six areas for a holistic approach to sustainable food.

Some of our key targets for 2021/22 and our progress against these are detailed below:

### 1. We will deliver 'eat in' retail units with zero single-use packaging for fresh food offerings from 2022

Our Senate House eat-in retail unit has zero single use-packaging for fresh food, which we expanded to all Source Grab & Go outlets, achieving a substantial step towards achieving zero

waste through identifying and working with suppliers who could support the objective to move to full plastic free packaging. In 2021/22, 90% of all products sold were plastic free.

### 2. All ruminant meat offerings will be reduced from 2021

A revamped menu across the catered halls has seen a reduction in ruminant meat dishes from 16% of the menu down to 6% of the menu. All ruminant meat has been removed from the Retail/Café 'Grab & Go Range'.

### 3. Vegan and Vegetarian food will be increased by 10% by 2022

With the revamped menu in the catered halls Vegan and Vegetarian food has increased from 45% of the menu up to 66% of the menu. A 21% increase has been achieved (11% above target).

### 4. Map carbon related to all food and drink offerings and reduce it by 20% by 2023

Source ran a trial at one of the catered halls that mapped the carbon footprint of the main course dishes. This resulted in investing in an app called 'Klimato' that will allow us to accurately produce carbon data for all items produced 'In-house', enabling us to change the way we work and record further reductions on our carbon emissions by the target date.

### 5. Reduce the sugar in our foods by 10% by 2022

By reducing the portion size of all Source desserts and substituting honey for sugar we have reduced the sugar by around 15% (5% above target).

*Continued on next page*



**Sustainability is incorporated into all aspects of the University's food and drink services.**



# ETHICAL AND SUSTAINABLE FOOD



In addition to this year's achievements, Source continues to demonstrate sustainability across its operations with the following actions:

## Removed the sale of all drinks in plastic bottles

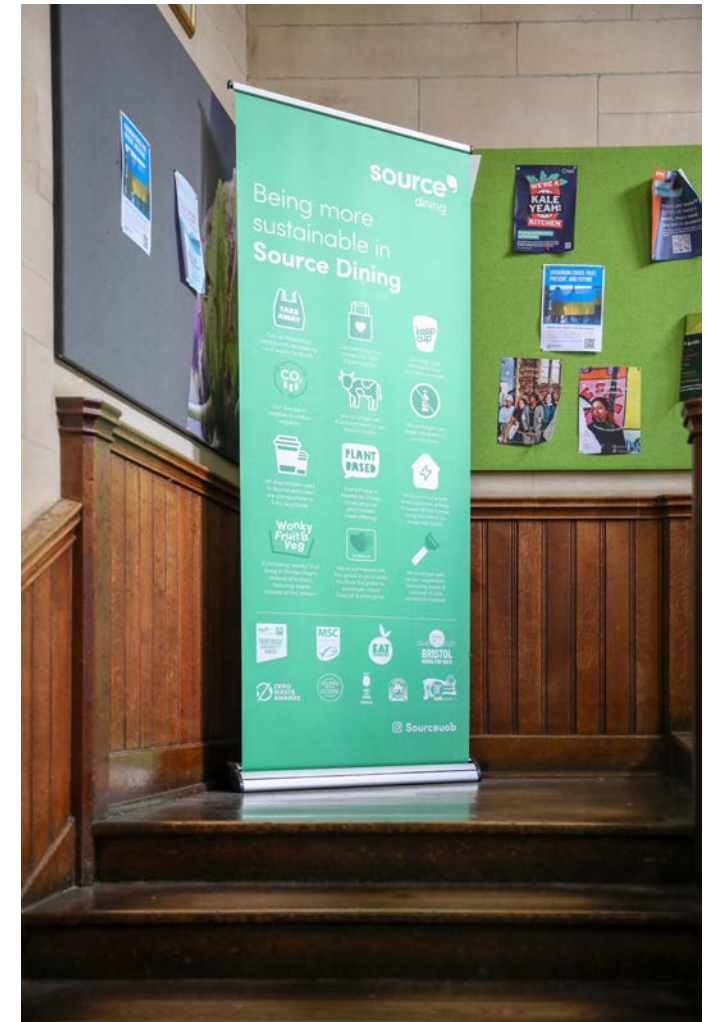
- Bottled water no longer sold at the University
- Removed plastic straws
- Launched a convenience shop with a range of zero waste product
- Removed plastic pints of milk and implemented a milk dispenser system with a deposit scheme for glass bottles
- Sell at cost price sustainably sourced reusable hot drink cups and stainless-steel BPA free reusable water bottles.

## Promote the environmental and health benefits of plant-based foods supported by staff and student campaigns

- Adapted menus to reflect the emerging meat-free trend, which has decreased our food costs and helped increase our sustainability credentials.
- Increased the number of vegetarian or vegan dishes from one, to two options per day, increasing our plant-based offering to 66% of our menu.
- Increased the vegetable component of traditional meat-based dishes e.g. lentils in lasagne.

## Reduce food waste

- Introduced the 'Too Good to Go' app in January 2021, giving the University an opportunity to not only reduce the food waste from our cafes, bars and halls of residences, but a way to reach to the local community beyond the student population
- Started to weigh and record all the kitchen waste into the three main areas of food waste; kitchen preparation, counter and plate waste and kitchen spoilage.
- Increased our buying of lesser used foods, like chicken thighs in place of breasts, and wonky vegetables, which reduces waste outside of our direct business



[www.bristol.ac.uk/sustainability](http://www.bristol.ac.uk/sustainability)

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