

..... **UWE** | CELEBRATING  
BRISTOL GREEN  
CAPITAL  
2015 .....

Month by month overview of UWE Bristol's Green Capital year



University of the  
West of England



THE STUDENTS'  
UNION  
AT UWE

January



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Honey bees on campus, student volunteers, music, debates, talks, conferences, and online learning are just some of the initiatives UWE Bristol created for Bristol 2015 as the European Green Capital.

Hundreds of students became Green Leaders identifying, developing and supporting sustainability projects, tapping into the enthusiasm of students to create change, and offering them the opportunity to learn and develop new skills and knowledge through activities and events.

Laura-Kate Howells, Coordinator of the Green Team in the Students' Union at UWE said, "We now have our own bee hive with around 60,000 happy and healthy European honey bees. We are inspiring change through promoting re-useable tote bags on Campus, designed by student Maelle Falguieres, and we have successfully campaigned for a reduction in the number of disposable plastic cups used on Campus. Through our Greener Futures Certificate we are encouraging student led clubs and societies to apply sustainable principles. On Monday 26 January our new campaign, Change for Change was launched, where students can apply for funds to start projects, ideas or events to make positive environmental or social change."

Hundreds of students offered their knowledge and skills to sustainable projects in the city over the year; some students became Green Interns supporting businesses in Bristol and Green Ambassadors supported sustainability in partner primary schools.

Professor Paul Hoggett discussed the emotional and political dimensions of climate change denial in 'Haunted by the future: the Shadow of Climate Change' on 22 January. Professor Hoggett questioned whether we are only too ready to be deceived and reassured by the interests of the fossil fuel industries and reactionary populism (Tea Party, UKIP) which tell us that climate change either doesn't exist or has been greatly exaggerated.

Academic staff worked to include more understanding and awareness of sustainability within the curriculum across all subjects at the University. Professor James Longhurst says, "The education of our students is the biggest opportunity we have to encourage awareness and action for a more sustainable future. We send thousands of graduates out into the world

every year, and their understanding and preparation to tackle the big issues is our real legacy. We are embedding sustainability as an aspect of our teaching in all subjects.

“The Green Capital Year provides a focus for many of the sustainable initiatives within the University. It is also an opportunity for UWE to contribute to the city's environmental agenda, and to ensure a positive legacy from 2015 for the University”.

Professor Longhurst chaired the joint development group tasked with preparing national guidance on education for sustainable development. The Quality Assurance Agency for Higher Education (QAA) and the Higher Education Academy (HEA) has recently published new guidance for universities and colleges on education for sustainable development (ESD), with the aim of equipping students with the knowledge and skills they need to work and live sustainably.

UWE Bristol was instrumental in helping the city win the successful bid for 2015, through Professor Martin Bigg (former Chair of Bristol Green Capital Partnership) and Professor James Longhurst, UWE Assistant Vice Chancellor (Environment and Sustainability).

UWE's Green Capital activity was formerly launched at a hugely successful event in the Octagon which consisted of stalls, food, drink, music and networking. Nearly 500 staff and students attended the event and 900 people were contacted face-to-face about the city's ambitions for the year.

#### *Sample January Events*

- Green Capital networking event for staff across Employability & Enterprise teams
- Stories of Change: Can digital and interactive media (help to) save the world?
- Dr Bike at UWE
- UWE farmers' market
- Haunted by the Future: The Shadow of Climate Change
- UWE Bristol Green Capital 2015 launch
- Go Green Week - Student planning session

## February



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Green Capital activity was well underway at UWE Bristol by February with walks, talks, banking, biking, gardening and partying all on the agenda!

Nature-orientated winter walks drew attention to the beautiful trees and sustainable gardening features on campuses and promised a 'whole world you didn't know existed'. These walks will have more features to include as outlined by Director of Masterplanning, Carl Lapworth, during his explanation of how UWE is incorporating sustainability into the development of the campus.

As part of the Bristol Distinguished Address Series, Peter Mather, Group Regional Vice President, Europe and Head of Country, UK BP, addressed 'the long term context for the energy industry and then looked more specifically at what this long-term view means for Europe and the UK's energy challenges.

There was opportunity to hear how Triodos finance organisations from organic food and farming businesses and pioneering renewable energy enterprises, to recycling companies and nature conservation projects. Triodos is a world leader in sustainable banking.

It was a good month for cyclists with workshops at all UWE campuses, a travel roadshow and a bike train. The Frenchay Travel Roadshow and the Bike User Group meeting took place together converting R2 Café into a temporary two-wheeled town. TravelWest offered travel advice, maps, high-vis jackets and a prize wheel with a great range of prizes including bike multi-tools, puncture repair kits, mugs and thermos flasks. The Bike User Group meeting provided a chance to share plans and receive feedback on what students wanted to see to support cycling for the coming year. Sustrans were on hand to offer advice on cycle safety in the city.

The day after the travel roadshow it was all aboard the UWE Bike Train to put the talking into practice. The train originated at the arches, before taking the quiet roads, following Concorde Green Way and avoiding the major hills.

'Go Green Week', People and Planet's annual national week of climate action in schools, colleges and universities, aims to raise awareness and demand stronger action to tackle the climate crisis. UWE's People and Planet group teamed up the Green Leaders to run a full programme of events to reflect the themes of Green Capital. The Green Team organised a film night, screening *11th Hour* the 9th at Scene-It Cinema, Frenchay. This film was chosen as it explores the state of the global environment with visionary and practical solutions for restoring the planet's ecosystems. They also set up a stall at Core24 to kick start the 'Ecotricity competition' at UWE and to show student and staff how easy it is to take action on climate change using their e-action website with lots of ideas and suggestions

To promote week-long engagement, one behaviour change theme was allocated to each day of the week: Meat-free Monday, Travel-light Tuesday, Waste-not Wednesday, Switch-Off Thursday and Friday-Action Day. During Travel Light Tuesday, the Farmers' Market showcased a variety of special stalls with electric bikes, pushbikes for under £100, a sustainable travel info stall, and Oxfam.

The Students' Union at UWE and the Bristol Students' Union collaborated for a "Green Capital launch party" to celebrate student involvement in Bristol 2015 and the Green Capital Student Capital Initiative. Against the backdrop of Banksy's "Mild, Mild West" at Hamilton House, there were creative activities on offer, including collage visioning and pact trees, contributions to the city-wide sculpture trail, live music and entertainment. This was an opportunity for student activists to evaluate and present all their hard work from both universities. It combined the efforts of the city's student base and was an opportunity for interested parties to engage with Green Capital events.

UWE also "got gardening" in February as students were invited to the community garden and colour their fingers green to help the UWE grounds team to prepare for spring. The SU sustainability team had their first Green Leaders meeting. 70 students signed up to be Green Leaders and the first meeting saw a range of potential project ideas discussed and plans made for the creation of project teams to pursue these ideas.

#### *Sample February Events*

- Go Green Week
- SU at UWE and UBU student Green Capital launch party
- Bike Repair Workshop at Bower Ashton and Glenside Campuses
- Triodos presentation 'Welcome to Sustainable Banking'
- Winter Tree Walk at Glenside Campus and Winter Wildlife Walk at Frenchay
- The Bristol Distinguished Address Series: Peter Mather, Grp Regional Vice President, Europe and Head of Country, UK BP and Matthew Layton, Managing Partner, Clifford Chance LLP
- UWE Masterplanning presentation 'Sense and Sustainability'
- UWE get gardening in 2015
- Frenchay Travel Roadshow and Bike Train

## March



March saw Pee Power, politics, electric racecars, pushbikes, a green clock tower and a green economy promoted as part of UWE's sustainability engagement.

A pioneering experiment using renewable energy sources, the result of a partnership between researchers at UWE Bristol and Oxfam, was profiled during March. A toilet was installed on Frenchay campus that demonstrates how pee can be used to generate electricity. They toilets will be used in refugee and displacement camps and it is hoped that the urine-tricity will light cubicles which are often dark and dangerous places, particularly for women.

Angela Knight (Chief Executive Officer, Energy UK) talked about how a series of decisions made by all the political parties has brought the UK to the brink of not having enough electricity to meet demand a year or so from now. Angela highlighted the motives for closing down the cheap coal fired power stations for climate change reasons and flagged that not only does the timetable not link with building new renewable generators, but that the cost is much higher than ever expected—and no one has explained this to the public.

UWE Formula Student made the decision to grasp the opportunity of the Green Capital year to build an electric car, making our team the first in the South West to do so. They held a free networking and educational event ran showcasing their innovative designs made to reduce waste, improve efficiency and produce a race ready electric zero-emission race car for Silverstone 2016. This event was an opportunity for possible sponsors to get more information about the project and find suitable packages for brand exposure and company collaboration.

As Bristol seeks to strengthen its status as a cycling city, John Parkin (Professor of Transport Engineering at UWE) highlighted some of the difficulties with introducing cycling more widely into the mix of urban traffic, based on his work in London. The presentation also revealed a major trial planned in Bristol, to test the public acceptability of autonomous vehicles.

Mountain bike legend, Steve Peat, and friends created a marketplace for people to buy and sell new and used bikes, bike parts and a whole world of other cycling paraphernalia. The marketplace combined the opportunity to view items of interest with amazing bargains by top bike retailers and by direct from bike manufacturers.

The Clock Tower at the Glenside Campus of the University of the West of England (UWE Bristol) was illuminated green to celebrate the European Green Capital for the majority of 2015. Exceptions being the latter months of the year when it changed colour in recognition of Breast Cancer and Men's health for Movember.

A free panel event was organized by Dr Andrew Mearman (Associate Professor in Economics) to explore what is meant by 'the green economy?' How might we achieve it? Who will take us there? The lively discussion was led by the panel which included: Alan Bailey (Chair, Low Carbon South West), Griffin Carpenter (New Economics Foundation) and Professor Molly Scott Cato MEP.

UWE hosted its regular Farmers' Market. The March Farmers' Market however had an enhanced Fairtrade focus. Alongside the regular stalls, "Traidcraft" attended with Fairtrade gifts and products whilst "Welcome to my yard" offered Fairtrade bags, scarves jewelry and more - all in support of Nepalese street children. Adding to the range of products on offer, was a mega tray bake stall by UWE Hospitality in support of staff member Richard Brailsford who was running the London marathon for Frank Water, [funding clean water in India] and a UWE student stall selling handmade notebooks and sketch books with lovely fabric covers raising money for East African Playgrounds. UWE students were also present with a Fairtrade petition and questionnaire.

UWE hosted an expert panel discussion titled 'How Should we Appraise and Evaluate Sustainable Urban Mobility Measures?' The 'Evidence Project' examined the quality of the evidence on the effects of Sustainable Urban Mobility Plans (SUMP) measures, to identify 'what works'. The panel comprised of leading international experts with many decades' experience in examining and questioning the relevance of transport appraisal and evaluation including Prof. Graham Parkhurst, Professor of Sustainable Mobility and Prof. Phil Goodwin, Emeritus Professor, UWE Bristol, and University College London

Green Leaders got together to chat, share resources, inspire ideas, create campaigns and facilitate change at UWE and beyond.

Nevil Quinn (Associate Professor in Applied Hydrology) discussed how we best reconcile the uncertainty in climate science with the need to take engineering decisions now, which will also stand the test of time. His seminar explored what we know (and don't know) about climate impacts on flooding in the UK and the real challenges hydrologists and engineers face in making sense of both observed and modelled flood data.

Finally, the Centre for Performing Arts' first contribution to the Green Capital was performed; a musical production, 'The Secret Garden' (11-14 March, Redgrave Theatre) based on the novel by Frances Hodgson Burnett with lyrics by Marsha Norman and music by Lucy Simon.

### *Sample March Events*

- ICE Bristol City Club presentation - Sustainable Transport: Now and in the future - Professor John Parkin
- UWE Fairtrade Farmers' Market
- The Bristol Distinguished Address Series: James Timpson OBE, Chief Executive, Timpson and Angela Knight (Chief Executive Officer, Energy UK)
- How Should we Appraise and Evaluate Sustainable Urban Mobility Measures? Panel event
- Launch of the 'Pee-Power' toilet
- SU at UWE Green Team at Frenchay, Glenside and Bower Ashton campuses
- Climate change is increasing flood risk in the UK...or is it? presentation
- Environmental Law Student Conference 2015
- Bio-Sensing Technology - Solutions to World Health Problems from Anthrax to Zoonoses
- UWE Musical 2015: The Secret Garden
- UWE Glenside Clock Tower lit up green to celebrate Green Capital 2015
- Dr Bike at UWE and Peaty's Bike Bonanza event
- UWE Frenchay Spring-time wildlife walk and Spring-time gardening session
- UWE Formula Student Electric Racecar - Collaborative Design Event
- The Green Economy panel discussion
- UWE Bristol European Green Capital comes to Glenside



## April



In April there was social science in the city and spring concert symphonies; presentations on MetroBus and 'Business models for sustainability, seminars on "Lights, Camera Action" and "Nature after Nature"; and Natalie Bennett visited UWE for Green Party politics before the Green Youth of Bristol embraced the Festival of Ideas.

"Who are we and what do we want from politics?" occurred at the Watershed where attendees could take part in a cafe psychologique in the approach to the general election. It was an opportunity to reflect and discuss crucial questions in a year in which Bristol is working to engage citizens in issues key to our future in European Green Capital year. The session was convened by Anne-Marie Cummins who leads the 'Emotions in Public Life' stream of UWE's Social Science in the City.

UWE Singers, Symphony Orchestra and Soloists performed Haydn - 'Nelson Mass' and Brahms - 'Symphony No. 2' in D major, Op. 73, in their Spring Concert at Bristol Cathedral. This was part of the UWE Centre for Performing Arts' musical contribution to Bristol European Green Capital 2015. The second half of the concert featured the Symphony Orchestra performing Brahms' Symphony No. 2 in D major Op. 73. The symphony's pastoral nature is generally considered due to it being written during the summer of 1877 when Brahms rented holiday accommodation by a lake in rural Austria.

Julia Dean (West of England Local Enterprise Partnership (LEP) communications and marketing manager) has been working on the West of England MetroBus project communications for nearly 8 years. MetroBus is designed to promote public transport and reduce traffic. UWE hosted this ICE Bristol City Club presentation, where Julia explained the benefits it will bring to business, individuals and the city. She also provided an insight into the requirements for funding and consent to build.

An interactive workshop 'Business Models for Sustainability' enabled academics from Bristol Economic Analysis at Bristol Business School to work with SMEs (based in South West England which are innovating for environmental benefits) to develop new insights into their business model. New tools and approaches were presented to inform their thinking and

support business growth. The aim of this event was to ensure delegates left with a strong understanding of business models and their potential to influence environmental credentials.

The Science and Wildlife Communication Unit hosted 'Joint Seminar Series: Lights, Camera, Action', a seminar that was presented by Patrick Aryee (award-winning wildlife TV presenter for both the BBC and Sky) and was a collaboration from the teams behind UWE's Science Communication and Wildlife Filmmaking postgraduate courses. His journey however has been less than conventional (and by no means straight-forward). Attendees were able to hear him share some of his top tips of the trade and recall the bizarre roles he's played - from being a janitor and learning how to whip-up roast dinners in a microwave, all the way through to the wonderful and awe-inspiring moments of sitting eye to eye with a cheetah.

The debate, 'Nature after Nature: The Value of Being Natural in the Age of Marvelous Technologies' was concerning hopes, fears and expectations surrounding synthetic biology. This event, hosted by UWE, brought together scientists, philosophers, and ecologists to discuss how ideas about the value of nature and naturalness fit into debates about emerging technologies and how these debates should impact upon scientific research if at all.

UWESU invited all major party leaders to come to UWE and the Green Party accepted. The Leader Natalie Bennett and Green Candidate for Bristol West, Darren Hall, gave a talk and took questions.

Led by an advisory group of young people, "Green Youth Day" addressed issues identified by the group as important to them and their friends. Subjects covered included the science of climate change; protecting wildlife and the oceans; human rights; the clothes we wear; equality; how to campaign successfully; and why questioning the establishment is essential. In addition to passionate and inspirational talks, films and demonstrations – from people who have helped campaign and change Bristol and the world – the day included practical examples of how to make what we own last longer; meet-the-speaker sessions; smaller group discussions and presentations; and a chance to vote on a major prize. Throughout the day, UWE journalists were on hand to capture all the happenings – relive the day through their eyes at [uwejournalism.net](http://uwejournalism.net).

Following this, at "Bristol 2015 Student Day", students from Bristol's universities had their chance to tell the world what they think about sustainability and climate change as part of Bristol's year as European Green Capital. The Bristol Festival of Ideas held a Student Day where around 100 students from the city's universities were able to shape the message that Bristol 2015 delivers to the UN Climate Change Conference in Paris at the end of the year. The Student Day saw students debate the key concerns facing cities, from future energy needs to broader climate change issues, following an opening address from renowned climate scientist Professor Rich Pancost, Director of the Cabot Institute at the University of Bristol. Speaking at the event, Andrew Garrad, chairman of Bristol 2015, explained: "This event will give Bristol students the opportunity to identify the most pressing problems facing them and their future, review political options and consider creative solutions. Their views will be incorporated into Bristol 2015's presentation to the crucially important UN Climate Change Conference in December."

Towards a sustainable agenda: Local and regional policy choices - The South West England and Wales Branches of the Regional Studies Association held their 2015 joint conference in

Bristol during April. The event was designed to facilitate and stimulate dialogue between policy makers and academics in order to improve understanding of the workings of our economies and to identify ways to enhance them.

#### *Sample April Events*

- Green Capital Digital Challenge
- ICE Bristol City Club presentation: MetroBus and the South Bristol Link - Julia Dean & Douglas Mackay
- Weekly Reuse UWE Office Furniture
- Bristol Social Marketing Centre (BSMC) Seminar - How to successfully give-up driving in later life
- Weekly Dr Bike at UWE
- Business Models for Sustainability workshop
- Electric Cars and Bikes - Taster Day
- Science and Wildlife Communication Joint Seminar Series: Lights, Camera, Action!
- Nature after Nature: The Value of Being Natural in the Age of Marvellous Technologies
- UWE Singers and Symphony Orchestra spring concert performance
- Green Party leader Natalie Bennett comes to UWE
- UWE lunch-time green mingle
- Green Youth Day and Bristol 2015 Student Day
- Frenchay pop-up flea market
- Spring-time walks at Glenside and Frenchay
- Bee Walk and Talk
- Towards a sustainable agenda: Local and regional policy choices presentation
- Who are we and what do we want from politics? presentation

May



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May kicked off with the Green Capital flagship food event Food Connections. Also on the theme of food, UWE held a Vegetarian Week with Loyalty cards. Transport and nature were represented in cycle challenge, transport focus groups, a big beach clean, and presentations by George Monbiot on 'Rewilding' and by Ian Thomas on the Australian experience of sustainability. There was also a focus on business with 'Your green Future', iNets presentations and a debate on 'energy literacy'.

'Bristol Food Connections' was a unique city-wide food festival bringing together the many vibrant food cultures and communities, the business, culture and education sectors to inspire people to celebrate and engage with good food. Food Connections aimed to change how we think about food and how we eat by 'bringing people and good food together' and by celebrating the people, the produce and the projects that are putting Bristol on the map as a sustainable food capital. UWE staff contributed to presentations and students volunteered at the event. MSc Sustainable Development in Practice student Louise Denham produced a 'how to' guide on sustainable catering as a result of her engagement with 'Field to Fork' during the festival.

National Vegetarian Week commencing the 18<sup>th</sup> was reinforced by the offering of a Vegetarian Meal Loyalty Card with the sixth meal on the house at catering outlets across UWE campuses.

The Travel Roadshow came to UWE to launch the 'European Cycle Challenge' - an urban cycling team competition that took place from the 1st - 31st of May. On the day, the roadshow team was on hand to give travel advice, maps, bus and train timetables and freebies including water bottles and high-vis gear.

Meanwhile, UWE's Transport team researched people's experiences on their commute to UWE and were interested in talking to people who have considered the possibility of changing the way they get to work – either cycling (including people who already cycle occasionally, but have thought about cycling more), using a bus or walking. The results of this work have fed into UWE's travel strategy.

UWE Volunteering engaged students in tidying the beach at Sand Bay to raise awareness about the impact of litter on our coast line and the broader environment. Run in partnership with the Marine Conservation Society, there was a prize for the most litter collected and the strangest item found!

In-front of a crowded Glendinning theatre with approximately 175 people, George Monbiot presented issues of 'Rewilding' with an emphasis on legal barriers and opportunities. Known for his environmental and political activism and original thinking, Monbiot divides his time between writing for the Guardian and pursuing a number of quixotic projects: generally writing obscure books and campaigning for lost causes. His latest book 'Feral: searching for enchantment on the frontiers of rewilding', is the lyrical and gripping story of his efforts to re-engage with nature and discover a new way of living.

There was a wide-ranging seminar on the development of ESD within the curriculum led by Associate Professor Ian Thomas, School of Global Urban and Social Studies, RMIT, Australia called "Education for Sustainable Development; the Australian Experience."

UWE Bristol hosted "Your Green Future", a free event for schools across South Gloucestershire and Bristol. Through a range of interactive workshops and an exhibitor hall, students had the opportunity to explore, with over 25 businesses as well as UWE academics and students, the growing job opportunities in a low carbon, resilient economy. Lauren Winfield, Architectural Technology and Design student and Green Ambassador for "Your Green Future", commended the event as she stated 'it made students understand why we act sustainability and emphasised the importance of green living.'

The event "Delivering local low carbon transport and power solutions through hydrogen and fuel cells" was hosted by UWE and delivered by a partnership comprising the South West Environmental iNet, the Association of Public Sector Excellence, the Knowledge Transfer Network and the UK Hydrogen and Fuel Cell Association. The event hoped to help SMEs and other supply chain companies understand and access the opportunities offered by hydrogen and fuel cells.

There was a talk and panel debate called "Energy literacy - what does it mean for your practice?" which was chaired by UWE Professor Bill Gething. It considered how design professionals in the built environment approach energy literacy in the context of their practice, and what will be needed for the next generation of architecture and engineering graduates. The debate was followed by a presentation of latest findings of an emerging University of West of England research project carried out by Dr Sonja Oliveira, Elena Marco and Prof Bill Gething examining the shaping of energy literacy in architectural education.

For European Green Cities: building urban resilience and sustainability in an era of austerity, there was a full programme of seminars with contributors from across Europe on a range of topics with a focus on Bristol European Green capital, plus a walking tour and working lunch. Stephen Hall (Principal Lecturer for UWE Geography & Environmental Management) introduced the event. He also led a talk called "Building and Reproducing Regimes for Sustainable Urban Development in Bristol and Grenoble". Ian Smith (Senior Lecturer in Economics) contributed to a workshop with a presentation named "Suburban Neighbourhood Adaptation for a Changing Climate". Finally, A 'Round Table: Bristol European Green Capital

2015' included Martin Bigg (Professor of Environmental Technology and Director of the Environmental iNets).

Finally, an EDD (Explore, Discover, Discuss) development session was held in May on 'Innovative Educational Technologies for Teachers 2015'. Hosted by UWE Bristol's Education Innovation Centre this was one of the free afternoon development sessions for teachers in schools and further education colleges. The session was not a technical demonstration of specific technologies, more so a space to explore, discover and discuss how technology can co-evolve with pedagogy to enhance student experience.

#### *Sample May Events*

- Bristol Food Connections festival
- European Cycle Challenge - Launch Event
- Swap to Fairtrade, one product at a time
- Weekly Dr Bike at UWE
- Weekly Reuse UWE Office Furniture
- 4th International Bio-Sensing Technology Conference
- European Green Cities: building urban resilience and sustainability in an era of austerity presentation
- Rewilding: The Natural Restoration of British Ecosystems (Legislative Barriers and Opportunities) presentation
- Wildlife walk on World Mental Health awareness day
- National Vegetarian Week
- Your Green Future
- Staff Travel Focus Group
- Delivering local low carbon transport and power solutions through hydrogen and fuel cells
- Energy literacy - what does it mean for your practice?
- Education for Sustainable Development; the Australian Experience presentation
- EDD (Explore, Discover, Discuss) development sessions on Innovative Educational Technologies
- Travel Roadshow at Bristol Business Park
- Big Beach Clean

## June



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June had a festival feel and promoted new beginnings and ideas as the 'Festival of Nature' sprung to life. There was also a new book launch and debate, the launch of 91 Ways, new hopes for engineering careers for women and Green Business. Jonathan Porritt opened a debate and speakers shared their 'Ideas for good', it was Big Green Week with big breakfasts for cyclists and Bristol hosted the International Making Cities Livable (IMCL) conference. UWE degree shows highlighted student sustainability work

The Bristol Festival of Nature unleashed the city's wild side once again this summer, taking over the Harbourside during the weekend of 14 - 15 June. The weekend expected to attract over 12,000 people to Bristol's Harbourside. The Wild Weekend was a two day city-wide celebration of the natural world. Its key aims were to be exciting, educational and dynamic. UWE Bristol contributed to this event with enthusiasm and innovation. The festival provided a perfect platform for the launch of the UWE-partnered Bristol Parkhive app. Furthermore, UWE had a prominent presence in a marquee on Millennium Square, where there was a range of interactive activities for visitors of all ages. The Bug Booth with bioluminescent bacteria appealed to those interested in biosciences, whilst health fanatics could do some exercises on specially designed bikes. For fans of environment and sustainability, there were plenty of activities, such as Your Green City, Avalon Marshes and Hydrocitizenship Project which explored our relationship to water and how it is important to our sense of self and identity. Visitors to Robots vs Animals had a chance to see how high-tech robotic engineering seeks to copy the behaviour and capabilities of some animals and insects; with the chance to hear about this fascinating collaboration between zoologists and engineers.

Steve Melia (Senior Lecturer for UWE Planning & Transport) launched his book 'Urban Transport Without the Hot Air'. This book begins with ten questions, revealing some of the myths that have influenced politicians and transport planners as well as the general public. (Are governments trying to 'get us out of our cars'? Is better public transport the solution to congestion in cities? Does Britain have a shortage of family housing)? Some of the conclusions are surprising...

There are approximately 91 languages and dialects spoken in Bristol. At '91 Ways' the power of food was used to bring people together. This was the launch of Bristol's global food project '91 Ways', with inspirational speakers and food from around the world. The choices we make about how we eat have a direct impact on our quality of life and our environment. People were able to share their stories, their recipes and their passions to build understanding between communities and help people make better decisions about food, their wellbeing and the health of our city.

For the "Women in Engineering Schools Residential event", Year 12 girls were invited to UWE to explore engineering in an open, friendly and interactive environment. It provided the opportunity to meet current engineering students and recent graduates, to participate in an engineering challenge which promised to stimulate and stretch them, to see something of Bristol and to have a taste of university life. This year's challenge was around the engineering challenges of providing truly green energy. Participants had the opportunity to explore the issues around sustainable energy, to learn some modelling techniques and to take part in practical experiments to verify their models. They also saw some of the cutting edge research energy-related projects taking place at UWE and had the opportunity to visit sites of relevance to green energy in Bristol. The event culminated with a chance to present their work to each other and to a panel of experts.

The 'Green Entrepreneur Business Challenge' was a 2.5 day challenge run by UWE Enterprise, which tasked participants to apply business concepts to a real world environmental challenge. The challenge posed centred on the use of our green and open spaces in Bristol and participants were asked to identify ways in which we can ensure our parks are maintained and accessible in our urban environment and offer a higher quality of life for all. This was an opportunity to work in teams to design and develop a business solution to tackle the challenges facing our parks with support from experts from industry and the local community. On the final day, teams pitched their idea to a panel of judges and the winning team received a prize. The programme included presentations from guest speakers, including from Bristol Green Capital Partnership.

Jonathon Porritt (former Director of Friends of the Earth, Chair of the Sustainable Development Commission (2000- 2009), and founder director of Forum for the Future) gave his views on 'Prospects for Sustainability with a new Government'- a thought provoking way to kick off Bristol's Big Green week at UWE in this Bristol's European Green Capital year.

'Ideas for Good: The Role of Social Enterprise in Building Sustainable Futures' focused on the core value that social enterprises offer to the challenge of building sustainable futures - and asked how we can form the right partnerships to further these aims. Dr Pam Seanor (Senior Lecturer, Strategy and Enterprise: UWE Faculty of Business & Law) was a speaker whose work explored change with the city region and how sustainability is being enacted by the Bristol Green Capital 2015 project.

During Big Green Week you could find out the latest on UWE and Bristol European Green Capital 2015 - from student projects and volunteering to campus campaigns at the UWE and Bristol European Green Capital summer roadshow

The cyclist's breakfast fair included free breakfast for staff and students who walked or cycled on the day - free Dr Bike tune-up, free bike security marking by our campus police



officer, maps, info and prizes through signing-up to the big commuting challenge. The day also marked the launch of a Bristol-to-Amsterdam charity bike ride in aid of the Children's Hospice with CableCom Networking (a key UWE supplier) kicking off the first leg.

International Making Cities Livable (IMCL) held its 52nd IMCL Conference (on Achieving Green, Healthy Cities) in Bristol, specifically because of its Green capital status and 2014's status as "Britain's Most Livable City". This was a five-day event which looked at multi-disciplinary solutions and creative strategies, tools and design solutions for achieving green, healthy cities. UWE sponsored this event and provided multiple speakers to contribute.

Six PGCE English students from UWE Bristol benefitted from a unique placement opportunity (1-12 June 2015) to work with Zakhele, a South African educational music and drama group, who undertook a five week tour of 13 primary and secondary schools in Bristol and North Somerset. UWE Bristol was the proud sponsor of the tour as part of the University's contribution to Bristol 2015 European Green Capital. During the tour, Zakhele hosted drama sessions, workshops and storytelling, interacting with over 4,500 pupils. The aim was to educate, promote cultural awareness and social responsibility in young people to break down barriers and reduce prejudice about HIV/AIDS.

UWE's two degree shows by the Faculty of Environment and Technology and the Creative Industries disciplines showcased the huge variety and scale of sustainability-related work undertaken by UWE students as part of their studies.

#### *Sample June Events*

- Zakhele visit - South African educational music and drama group
- Ideas for Good: The Role of Social Enterprise in Building Sustainable Futures
- Weekly Dr Bike at UWE
- Weekly Reuse UWE Office Furniture
- Book Launch: 'Urban Transport Without the Hot Air' by Steve Melia
- Environment and Technology Degree Show 2015
- Creative Industries Degree Show 2015
- Biomedical Science and Advanced Wildlife Conservation in Practice
- Soapbox Science Bristol
- The Green Entrepreneur Business Challenge
- Festival of Nature Wild Weekend
- Jonathan Porritt on 'Prospects for Sustainability with a new Government' presentation
- UWE and Bristol European Green Capital summer roadshow
- 91 Ways to build a global city: launch event
- Bikers Breakfast Fair
- Midsummer Bee Walk and Talk at Frenchay
- Glenside midsummer tree ramble and midsummer nature walk
- 52nd IMCL Conference: Achieving Green, Healthy Cities
- Women in Engineering Schools Residential event



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As most UWE students left for the comforts of home, those that remained maintained the Green Capital effort. We 're-imagined Urban Waters' at a workshop and thought about Bristol differently during a Green Capital walk. To top it off we celebrated at the "end of year ESD and Green Capital event.

'Re-Imagining Urban Waters' was a one day workshop on the future of urban water management. Speakers included practitioners, academics, and community organisers and UWE's Katherine Jones (Research Associate in the Centre for Floods, Communities and Resilience). This workshop sought to engage with questions about what value frames might shape future relationships with urban waters and what role (if any) should social and environmental ethics play in these. Arguably, the prevailing imagination of resilience has dominated debates on how we live with water - debates that focus on the cultivation of certain kind of citizenship that sits neatly within neoliberal rationalities; a citizenship that often fails to address the possibilities of more radical social and environmental transformation. Whilst water surplus and scarcity seem likely to become a backdrop to future urban living, we are also putting high expectations on the services that water can provide for both human and non-human environments (including flood management, habitat, climate mitigation, urban agriculture and recreation).

The organisers for "Thinking about Bristol Differently" invited people engaged in the Green Capital Initiative to walk & talk about Bristol as European Green Capital. This was one part of the project; which also invited 3 differing community groups to walk in their neighborhoods, to share their ideas and talk about what they do in the city. For these later walks were especially seeking the voices of those not engaged in Bristol Green Capital events and projects. Pam Seanor (Senior Lecturer Strategy and Enterprise) had created a map and route whilst posing questions to open up conversation on Green Capital themes. Such questions included: What's it like to live and work in this city? How are spaces in the city used? What images are conjured up when we think about Bristol as a Green Capital and how do these ideas differ to those that are commonly used already, such as the 2 images above ? How might these lead to new stories of change in cities?

240 delegates from 20 countries across the world gathered in Bristol on the 4th and 5th of July for the '9th International Fair Trade Towns Conference' to explore 'Fair Trade for Sustainability' as part of the city's European Green Capital major events programme. Professor James Longhurst (Assistant Vice-Chancellor: Environment and Sustainability) was on the panel for this event and Martin Bigg (Chair of Bristol Green Capital Partnership 2012 and 2013) was present also. Jim's presentation covered the University's role in Bristol's Green Capital Year.

'Science in Public Conference 2015: Research, Practice, Impact' was hosted by the Science Communication Unit at UWE Bristol, on the 9th and 10<sup>th</sup> of July. Now in its tenth year, the Science in Public conference and network bring together researchers and practitioners in science communication and public engagement from across the UK and around the world. The conference offered a broad platform for discussion and debate across disciplinary boundaries.

UWE held an internal 'End of Academic Year ESD and Green Capital event'. This enabled participants to share successes of the past academic year. They could also talk to others about ESD, sustainability and the Green Capital. Looking to the future, they could also seek advice about sustainability and the curriculum, help to plan UWE's ESD activity for 2015/16, engage in fast-paced activities related to our ESD provision and be part of Green Capital.

#### *Sample July Events*

- Weekly Reuse UWE Office Furniture
- Re-Imagining Urban Waters
- Science in Public Conference 2015: Research, Practice, Impact
- Dr Bike and Travel Roadshow
- End of Year ESD and Green Capital event
- Thinking about Bristol differently
- Electric Day - free test of pool cars
- 9th International Fairtrade Towns Conference



In the quieter month of August, UWE still hosted Dr Bike and gave staff and students still on campus an opportunity to reuse office furniture.

## September



September welcomed students back to the city for the start of a new academic year. It was a month which involved UWE educators spread their knowledge via events including an ESD symposium, UWE's first MOOC (massive open online course), ESRC Behaviour change seminar, Green Economy and Forest Eco Systems lecture, Knowledge café and Bristol Bright Night. As well as all of this, there was a cycle to work day and opportunity to reuse UWE office furniture. The Students' Union and UWE RAG launched a refugee crisis appeal.

UWE co-organised an international education for sustainable development (ESD) symposium, "Learning from the sharp end – implications for sustainability in Higher Education". The event showcased the best international experience of engaging students in sustainability learning with an emphasis upon holistic approaches such as student-led activities (the informal curriculum), skills and engagement in the formal curriculum and the campus and city as living laboratories. The symposium explored and strengthened good and effective practice, particularly in relation to the contextualised curricular opportunities and the development of education for the future. The symposium considered whether we are ready to move beyond education for sustainable development and empower students to deliver sustainable futures. The academic content of the event was organised by Georgina Gough (Senior Lecturer in Education for Sustainable Development), the event was co chaired by Jim Longhurst and the programme featured nearly 20 UWE staff and students.

On the 14<sup>th</sup> of September, the University of the West of England launched a free, online course that gives an overview of the current environmental and social challenges faced by cities across the world and the solutions that are being found to these in Bristol. Open to people across the world, this six week 'Our Green City' course aimed to "showcase the spirit and practice of Bristol Green Capital" by exploring the themes central to Bristol 2015: food, nature, energy, transport, resources and cities.

The "ESRC Behaviour Change Seminar" was the fourth seminar in the series discussing all things 'behaviour change'. The focus of this seminar, held at the Watershed, was

approaches to achieving sustainable behaviours. The speakers included Dr Tim Chatterton (Senior Research Fellow, UWE Bristol).

A lecture on “The Green Economy and Forest Ecosystem Services” was given by Jona Razzaque (Professor of Environmental Law) that explored the opportunities and concerns of forest ecosystem services in the context of conflicting priorities of the North and the South.

UWE's Social Science in the City team and Institute for Sustainability held a Knowledge Café on climate change right in the heart of Bristol's harbourside. As citizens, confronting and having open and creative conversations about climate change can be challenging. This event offered a unique opportunity for discovering thoughts, ideas and insights into this topic and to consider the ways in which there was collective pressure to 'silence' and censor thinking about climate change: both in the wider world but also in our own inner worlds.

Bristol Bright Night consumed the city for the second time on 25th September 2015. The event brought the excellent research that has been embarked on in Bristol to the public's attention. More than 70 UWE researchers took control of all three floors At-Bristol to showcase their work with an entertaining selection of hands-on activities. More than 2,300 people attended the engaging talks, debates and comedy on offer.

The third of September was national Cycle to Work Day, where everyone who cycled to work was entitled to a free breakfast, free security marking, Dr Bike basic check-ups and an opportunity to try out an electric bike. Our Big Bicycle Breakfast initiative was part of the UWE green travel scheme which aims to improve health, make roads safer and boost the local economy.

Furniture available for reuse in UWE offices or for home use was made available to view during September. This scheme both ensures that furniture is recycled to serve a purpose once more, whilst aiding local charities via donations made for furniture taken by staff.

In reaction to the unfolding refugee crisis affecting Europe, the Students' Union at UWE and UWE RAG partnered with the University to pull together to help some of those affected. From September 11th till September 25<sup>th</sup>, UWE members were encouraged to bring needed items to The Students' Union on Frenchay, Glenside and Bower Ashton campuses.

#### *Sample September Events*

- Weekly Reuse UWE Office Furniture
- Cycle To Work Day and weekly Dr Bike at UWE
- Education for Sustainable Development: Symposium
- UWE RAG's Refugee Crisis Appeal
- ESRC Behaviour Change Seminar on Approaches to achieving sustainable behaviours
- The Green Economy and Forest Ecosystem Services presentation
- Climate Change: Connecting Conversations
- Bristol Bright Night
- The Annual Bolland Lecture 2015: Mike Clasper CBE, Non Executive Chairman of Coats Group plc / CMI President

## October



Green Capital seminars, Go Green seminars, free research seminars and seminars that are ‘enough to worry a banker’ – October was full of seminars. Alongside this, there were distinguished addresses, Jacopo Torriti, and “Photography after the Human”, a Students’ Union showcase collaboration and a “National Urban Design Conference”; and the unveiling of the Whole Earth? exhibition.

Organised by Dr Georgina Gough (Senior Lecturer of Education for Sustainable Development), UWE’s Green Capital “seminar series” involved a chain of events that offered UWE staff and students the opportunity to learn about Green Capital issues and hear of work being done within UWE to contribute towards solutions to these issues. Week one addressed resources, food and cities with the speakers; Tom Appleby (Senior Lecturer in Law), Darren Reynolds (Professor of Health and Environment), Jo Barnes (Research Fellow: Air Quality Management Resource Centre / Programme Leader: MSc Environmental Management), Matt Jones (Associate Professor of Public Health) and Richard Spalding (Senior Lecturer - Geography & Environmental Management). Further events in the series took place in November and December.

‘Routes to Clean Air’ two-day conference brought together academics, professionals and policy-makers to shared their experiences of improving traffic emissions and to highlight the importance of public communication and behaviour change surrounding road transport and air quality issues. UWE’s Prof. Graham Parkhurst and Prof. Jim Longhurst both gave expert presentations at the event.

An event to showcase Bristol’s track record in green innovation was hosted with Go Green and The Institute of Environmental Management and Assessment (IEMA). It took place at At-Bristol as part of the city’s year as European Green Capital. Delegates were able to take their organisation’s environmental performance to the next level in line with recent changes to international standards that aimed to align environmental management systems with organisational strategy. Speakers included Martin Bigg, chair of IEMA’s Strategic Advisory Council and Professor of Environmental Technologies Innovation at the University of the West of England.

As part of the Bristol Leadership Centre's programme of free Research Seminars, Robin Hambleton (Professor of City Leadership in the Faculty of Environment and Technology and Director of Urban Answers) presented "Place-based leadership and the inclusive city: an international analysis". This presentation offered a fresh way of thinking about our urban future. It presented a new conceptual framework for understanding place-based civic leadership and assembled evidence from across the world to show that cities are taking decisive action to shape the city according to progressive values – for example, advancing social justice, promoting care for the environment and bolstering community empowerment.

Professor Bill Gething (Professor of Architecture and Co-director of the Architecture, Construction and Property Research Centre) offered a seminar on "Climate Change - it's enough to worry a banker". The seminar was part of a series intended to showcase the work of the new Architecture, Construction and Property Research Centre and its academic members, to develop research skills and to generate new collaborative opportunities.

Bristol Economic Analysis hosted a seminar by Jacopo Torriti (Associate Professor in Energy Economics and Policy at the University of Reading) entitled 'Beyond price elasticity: flexibility and peak energy demand'. On the same day there was a round table conversation with Rolf Jucker on his new book 'Do We Know What We Are Doing? Reflections on Learning, Knowledge, Economics, Community and Sustainability.'

"Photography after the Human" was delivered as part of the Digital Culture Research Centre's (DCRC) series of public talks. It explored "How to Reimagine the Anthropocene, Extinction and the 'Eco-eco crisis' While There's Still Time". As the main topic of this talk, Joanna Zylinska drew on the existence of images after the human; in particular, those light-induced mechanical images known as photographs. Patrick Crogan (Chair) is Associate Professor of Digital Cultures at UWE Bristol.

A collaborative event between UWE and UOB showcased the work being done by the two universities to enable students to contribute to making Bristol greener, happier and healthier. It was held in the 2015 Lab Space, organisers hoped to attract the public, students and any organizations interested in working with the city's students. Those that attended could view the variety of events and projects that have been led or facilitated by either university.

"The National Urban Design Conference 2015" welcomed professionals, politicians and academics involved in design and development. 50 speakers, 2 book launches, 2 travelling exhibitions, 1 report launch and 4 recent books were featured in the event programme. It was marked as an "Exceptional Networking and Learning Opportunity". Speakers included Laurence Carmichael (Senior Lecturer and coordinator of the WHO Collaborating Centre for Healthy Sustainable Environments at UWE). One of the centre's core activities is to support WHO Europe's Healthy Cities Programme. Robin Hambleton (Professor of City Leadership at UWE and Director of Urban Answers) also contributed. In 2015 Policy Press published his new book: 'Leading the Inclusive City: Place-based innovation for a bounded planet'.

UWE won two "Shauns" up for grabs as part of the charity auction supporting hospital Grand Appeal, one designed by a UWE graduate, and another to be homed in the new Faculty of Business and Law Building. Flora, designed by UWE 2013 Illustration graduate Brittany Molineux, was inspired by the English countryside. Brittany said she realised that there are many beautiful plants that we do not normally notice, and in particular "the plant life you can



find down the country lanes.” She was delighted that the Shaun had been retained by the University. UWE’s winning bid was £5,500, and the Shaun is a suitable addition to celebrate our contribution to Bristol’s year as European Green Capital.

Students and staff attended the Whole Earth? Exhibition launch, which was officially introduced by Deputy Vice Chancellor Helen Lloyd Wildman, Assistant Vice Chancellor Jim Longhurst, Students' Union at UWE president Jack Polson and the driving force behind the exhibition, Mark Edwards. The Whole Earth project is based on the premise that students and universities can help lead society toward a more sustainable future”. This 66-meter long exhibition is positioned on a major public thoroughfare through Frenchay Campus, used daily by hundreds of people. The exhibition has been the catalyst for a number of discussions about UWE’s contribution to the challenges raised in the text and images. It will remain in place until mid-2016.

The Digital Cultures Research Centre for UWE Bristol hosted a series of public talks at the Watershed addressing the growing recognition of humanity's profound impact on the earth. “No Man's Land: A Geology of Media” asked ‘is there a geology of media, a geology of technology?’ Investigating materialities of media culture from an alternative angle, Jussi Parikka (Professor of Technological Culture and Aesthetics at the Winchester School of Art, University of Southampton) addressed the geopolitics of media with an eye on the minerals and energy that condition our technological culture. The talk weaved together issues of theory and contemporary media arts as investigations of how media and visual culture contain this fundamental dimension of materiality, of rare earths and material infrastructures of long duration, of earthly duration. The Anthropocene was addressed through a discussion of electronic waste and the residual impact of media technological chemistry.

Rick Haythornthwaite (Chairman of Centrica) delivered a lecture as part of UWE’s Bristol Distinguished Address Series. He discussed how disruption is rapidly becoming the new normal and asked the question ‘what is the evolving nature of this disruption and what might be the implications in years to come, particularly with regard to leadership?’

Throughout ‘Big Green Week’ a variety of events and activities were offered by UWE to get people involved with green activities. Multiple communication channels were used to promote engagement with the opportunities on offer including fliers, posters and online media.

#### *Sample October Events*

- Green Capital seminar series
- Bristol SU and UWE SU: Green Capital Showcase
- Cycling promotional activity: Weekly Dr Bike at UWE, Commuter cycle ride to Frenchay, Free bike marking p/q block, UWE Frenchay commuter challenge
- Event To Showcase Bristol’s Track Record In Green Innovation
- "Climate Change - it's enough to worry a banker".
- The Bristol Distinguished Address Series: Rick Haythornthwaite, Chairman of Centrica
- The National Urban Design Conference 2015
- Bristol New Economy Summit

- Big Green Week, including Special Big Green week Farmers' market and Big Green Week Action Day at Chew Magna Community Farm
- No Man's Land: A Geology of Media
- Small green fair 2015
- Opening of Whole Earth exhibition
- Pipe Panic and Play Pocket Planet events
- What's in the Bristol air? workshop
- Travel team at Glenside at Glenside info point
- What future for Green politics in the UK? presentation
- Biodiversity activity: BeeWalk and talk, Autumn Wildlife Walk, Glenside Autumn Trail, Action day at UWE's community garden
- Rolf Jucker Education for Sustainable Development presentation: 'Do we know what we are doing?'
- Bower Ashton Green Day
- Electric car and bike 'come and try' event at Bower Ashton
- Tour of R2
- 'Beyond price elasticity: flexibility and peak energy demand' presentation
- Photography after the Human
- Place-based leadership and the inclusive city: an international analysis

November



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In November, key events included “A Tale of Two Cities” and “Summer Schools in a Day”, A “Change Maker Challenge” and a presentation by Herbert Girardet.

The Rt Hon Sir Richard Needham (The Earl of Kilmorey) presented a tale of two cities, Bristol and Belfast, two of the greatest and most successful industrial ports of the Empire. Sir Richard discussed the arrival of new technologies, particularly SMART solutions and the Internet of Things and how they had the opportunities to re-inhabit, redevelop and reconnect the centres, the suburbs and beyond. Sir Richard asked the question 'do they have the ambition, the political structure and the leadership to promote, organise and develop their true potentials?

Glenside campus hosted “Summer School in a Day 'Sustainable Healthcare: The Green Approach”” run by The College of Medicine. This was a unique multidisciplinary student event for current, potential and recently graduated healthcare students. Talks, discussion and interactive workshops explored how green concepts can influence healthcare for both environmental benefit and better patient care. All this included competitions and certification of attendance to boost CVs and continuous professional development. There was a series of talks and networking opportunities aimed to inform and inspire students in the theory behind and application of green principles in healthcare. This celebrated Bristol's award of European Green Capital whilst exploring the potential of Green concepts in healthcare and focussed on improving the health of patients and the planet simultaneously.

The “Change Maker Challenge” was a social enterprise task, where students from UoB, UWE, and 16-25s from across Bristol came together for a 3 day 'hackathon' competition. It was open to students that wanted to learn how to put their solutions for social change into action.

Professor Herbert Girardet posed the question “Is an urbanising world a 'triumph of the city', or an environmental tragedy in the making?” He argued for a fundamental conceptual shift in the way we organise our urban systems, and for thinking and acting beyond 'sustainable development'. Girardet's recent book, 'Creating Regenerative Cities' published by Routledge in October 2014 has been described by Huffington Post as one of the world's three best green books of 2014. His visit to UWE was particularly welcome in this Bristol 2015 European Green capital year, when questions about the sustainability of our city were being debated.

Project Green - 'On your Bike' was a collaborative Bristol 2015 project between our societies. The aim was to encourage more students to cycle. They adopted a fleet of bikes and running upcycling workshops to upskill students and give them the confidence in being able to confidently ride and fix a bike. launched their project on the 18th November by running a guided cycle from the City Centre to Frenchay Campus. Everyone who cycled got a free breakfast at the Student Union.

'Still Good' was a pop-up shop, set up by The Green Team to re-home unloved, unused and underappreciated items. The aim of the shop was to encourage students to donate or swap unwanted items to prevent them ending up in landfill whilst giving students with the chance to grab some free goods. The shop will now appear the first week of every month in the Students' Union 1 reception and it launched at Bower and Glenside

Final year Geography student, Matthew Dewsbury, made his contribution to Bristol Green Capital on behalf of the Green Team by leading the #saynotoplastic campaign. Despite being on placement this year and missing a large proportion of Bristol 2015, Matthew provided an original project to coincide with Green Capital themes. Whilst on placement, he was given the task of raising awareness for the environment whilst working with no budget. This was when he found the inspiration for his Green Capital contribution. He used “recycled bottle tops to create a form of visual art”. By means of a recycled wooden board and the Green Capital logo, people had to stick the bottle tops around the logo before signing a pledge to it. Those that pledged received a free water bottle and Matthew hoped this could “create an impact by doing something different”. To engage the whole university, there were three boards, one stationed at Glenside, Bower Ashton and Frenchay campuses.

Bristol 2015 launched Sustainable Learning, a free online resource bank for teachers which brings together the different elements of our National Schools Programme, one week ahead of the programme being showcased at UN Climate Change Conference (COP21). A survey of teachers found that over 90 per cent of primary school teachers in England believe they should be teaching children about the effects of climate change, despite sustainability no longer being a statutory requirement in the curriculum. Nearly all primary school teachers surveyed (96 per cent) said they would use a dedicated resource that enabled them to teach sustainability while covering multiple curriculum objectives – which is exactly what the Bristol 2015 education team has created. You can find out more by visiting Sustainable Learning. Bristol 2015 ambassadors Jonathan Porritt and Professor Alice Roberts both endorsed the programme, and provide quotes for the media.

As world leaders prepared for the Paris Climate Summit (COP21), people from all over the world united in a Global Climate March to send a strong message to politicians. Bristol

marched on the 29th. Uwe students raised awareness for this event. An amazing 3000 people marched in this event in the cold rain. Mayor George Ferguson, who attended the rally, said: "Bristol is doing more than any other city in the world in 2015 to promote the things we have to do to tackle the climate" A group of 15 cyclists from Bristol successfully cycled the 250 miles from Bristol to Paris to deliver a Manifesto for Change direct to Mayor George Ferguson ahead of the climate talks at #COP21.

#### Sample November Events

- The Bristol Distinguished Address Series: The Rt Hon Sir Richard Needham, The Earl of Kilmorey and Dennis Hogan, Managing Director, Compass Group UK & Ireland
- Sustainable Healthcare: A Green Approach
- Digital Negentropy and the Anthropocene in the Work of Bernard Stiegler presentation
- 'Still Good' pop up shop and Say no to plastics events
- Herbie Giradet presentation on 'An urbanising world: triumph or tragedy'
- Changemaker Challenge student volunteering event
- COP21 March



It doesn't stop here

2016

BRISTOL  
in it for good.org 2015 GREEN CAPITAL

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It was the season UWE painted Christmas green to celebrate the final month of Bristol European Green Capital 2015. In December there was a Christmas Farmers' Market, a Christmas Action Day and a Christmas Carol Service. Jane Austin spoke on Women in Engineering and the Centre for Performing Arts lit up Colston Hall like a 'chariot of fire' with their concert "Green & Pleasant Lands".

To kick off the month, supported by the UWE Buskers, this month's Farmer's Market had an extra 'special Christmas' theme. As well as the regular stalls there were festive foods and potential presents on offer for those that attended.

The Community Garden Christmas Action Day was on the 9<sup>th</sup> and involved spending time helping with planting and harvesting vegetables. So close to winter, it was a day for warm clothes, sturdy shoes, waterproof jackets and, of course, Christmas attire was warmly welcomed.

UWE's Christmas Carol Service took place in our beautiful ceremonial home of Bristol Cathedral. This traditional English service of nine lessons and carols was supported by inspirational music from the Centre Performing Arts including Orchestra, Singers and Chamber Choir. This year, for the first time, UWE's Gospel Choir also performed. The theme was simply UWE's Big Green Christmas Carol Service to mark all that UWE has contributed this year to Bristol Green Capital. A collection was taken during the service to support a local green project with Buzz Lockleaze.

The Bath Bristol Area of the IMechE invited people to a talk from Jane Austin (Head of Engineering at Network Rail) who shared her personal account of working in engineering and what the future will bring. The talk was hosted by UWE in N Block Lecture Theatre on the 2<sup>nd</sup> of December. Currently women make up less than 10% of the engineering sector. With a large skills gap looming, and the additional need for a more diverse workforce, it has never been more important to encourage women to choose a career in engineering.

'Green and Pleasant Lands' was the Centre for Performing Arts' climactic contribution to Bristol European Green Capital 2015. It was performed on Sunday 6th December 2015 as the UWE Symphony Orchestra, UWE Singers and a myriad of smaller ensembles celebrated through showcasing the talents of its students, staff and friends. The main concert featured

music by English composers such as Arnold English Dances; Delius Sea Drift (with Baritone Soloist Martin Le Poidevin); George Fenton Blue Planet: Theme, Paul McCartney Celebration from Standing Stone; Vaughan Williams toward the Unknown Region and the world première of a suite of variations by UWE-based composers Maxwell Davies (Associate Lecturer), Adrian Hull (Senior Lecturer in Performing Arts and Programme Leader for Creative Music Technology) and Liz Lane (Senior Lecturer in Music Technology – Composition and Performance). There was a pre-concert talk by Jonathan James and performances by our chamber musicians and various ensembles both in The Lantern and the Main Foyer.

The SU held a Student Christmas Fair on the 4th. Event organiser Ka Law wanted to encourage students to sell handmade goods or run upcycling classes to teach people how to make and mend for low cost Christmas presents.

Organised by Green Team Co-coordinator, Laura-Kate Howells, The Whole Earth? Exhibition Workshop on the 9th of December ignited a conversation between students and staff on how as a university we can inspire change, encourage our community to take positive action and actively be part of the solution to the problems posed in the Whole Earth exhibition. Staff and students outlined the issues currently being addressed and what they would change they would like to see from their discipline in the future.

Although the calendar year came to an end, the 2016 “It doesn’t stop here” campaign began to ensure this wasn’t the end for Bristol European Green Capital. The impact of these events provides a Green Capital legacy that will be left on the city and the university. Many projects will continue to grow into 2016 and recurring events will ensure enthusiasm and engagement with sustainable issues continues into the future.

#### *Sample December Events*

- UWE Special Christmas Farmers’ Market
- Dr Bike
- Women in Engineering talk by Jane Austin
- Student Christmas Fair
- Green and Pleasant Lands concert
- Community Garden Christmas Action Day
- Green Christmas Carol Service
- UWE students raised awareness for COP21.

For further information about the events listed in this document, please contact [Georgina.Gough@uwe.ac.uk](mailto:Georgina.Gough@uwe.ac.uk) or [Vicki.Harris@uwe.ac.uk](mailto:Vicki.Harris@uwe.ac.uk).

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