

Activities portfolio

Supporting document for:
UWE Celebrating Bristol Green Capital 2015

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Introduction to UWE's Green Capital Year

Bristol Green Capital 2015: a catalyst for enhancing UWE, Bristol's student and staff sustainability engagement

The University's sustainability ambitions and civic responsibilities are clearly set out in UWE, Bristol's [Strategy 2020](#) and apply to all areas of the university's business whether teaching, research, knowledge exchange or campus management and operations. In 2015 the city of Bristol was European Green Capital, the first UK city to achieve this honour (<https://www.bristol2015.co.uk/>). Given the ambitions and expectations of Strategy 2020 it was a natural fit for UWE to work closely with Bristol City Council and others to take a leading role in supporting the bidding process for the award as part of the city wide [Bristol Green Capital Partnership](#). UWE was one of the founder members of BGCP, now comprising 850 organisations. Professor Martin Bigg was the chair of BGCP and a key player, with other UWE colleagues, in drafting and editing the successful bid. UWE wished to ensure that all staff and students, who equal about 7% of the city's population, had the opportunity to engage in, contribute to, enjoy, and learn from the Green Capital year which we had done so much to help win. A [UWE Green Capital Strategy](#) was produced and implemented with the aim of creating institution-wide engagement with themes of the Green Capital via activities and events which were designed to raise awareness of Green Capital issues and to facilitate pro-sustainability behaviour and action by staff and students.

UWE will build on the success of the year, working with partners, to ensure that Bristol 2015's wish that "It doesn't stop here" is achieved in 2016 and that our students continue to have a wide range of opportunities to develop and enhance their sustainability experience and skills.

Green Capital and UWE's 2015 Year

Led by the AVC Environment and Sustainability (Prof. Jim Longhurst) a cross university team, including the Students' Union, prepared UWE's Green Capital Strategy, the Vice Chancellor's Advisory Board gave its approval confirming a £50000 budget. The development team became the Green Capital Implementation Group and Dr Georgina Gough and Vicki Harris were appointed as UWE Green Capital Coordinators to oversee implementation of the strategy. An impressive array of events and activities have been organised within the university and across the city involving students, staff, residents and visitors. Social media channels were used extensively to connect students and staff and promote activities. Budget allocations encouraged engagement and innovative action from academic departments, professional services, the Centre for Performing Arts, the Students' Union and others, embracing research, teaching, music, work in schools, volunteering, internships and extra curricula activities. One of UWE's busiest thoroughfares was transformed into an outdoor art gallery for [The Whole Earth? Exhibition](#).

UWE won a Bristol 2015 Strategic Grant of £50000 to develop the [Our Green City: Global Challenges, Bristol Solutions MOOC](#) showcasing the themes of food, nature, energy, transport, resources and cities. In November 2014 UWE, with the University of Bristol, led a successful bid for £250000 to HEFCE's Catalyst Fund for the [Green Capital Student Capital project](#). UWE's contribution to the year culminated in a celebration event on 9/2/16. Attendees reflected upon the year, shared memories and relived events through viewing the extensive [digital imagery archive](#) developed through the year.

However, it doesn't stop here.

UWE will continue to engage staff and students in sustainability thinking, action and connection. We will continue to play a significant role in helping to make Bristol happier and healthier whilst contributing the creation of a more sustainable global society.

Summary of UWE's Green Capital year in numbers

More than

- **4,000** staff and students have attended presentations/stalls specifically about Bristol Green Capital 2015 with some **200** events either led, co-ordinated or facilitated by UWE
- 3000 students have engaged, volunteered, interned or undertaken Green Capital projects
- **700** UWE students have undertaken more than **60000** hours of voluntary activity in the city. That's more than **34** years of work!
- **600** students signed up to the SU Green Team starting **8** student-led sustainability projects
- **7,000** people attended conferences, seminars and other externally facing events related to themes of Green Capital, either led, coordinated or facilitated by UWE
- **300** performers and over **1300** students, staff and friends of UWE recently attended the Green and Pleasant Land CPA Concert and UWE's Big Green Carol Service
- **70** UWE researchers contributed to Bristol Bright Night which was attended by more than **2,300** people.
- [Bristol ParkHive](#) employed **5** graduate interns, attracted more than **800** people to events during 2015 and received more than **4000** images from more than **1300** unique site users of green spaces in Bristol to its online digital archive
- **1,400** registrations from across the world for Our Green City MOOC.

(See [UWE Green Capital in numbers press release](#))

This Activities Portfolio represents the work of hundreds of staff and students. It is the working file to accompany the UWE Green Capital Catalogue.

UWE Bristol's Green Capital Strategy

Contact

Professor James Longhurst

Description

UWE supported Bristol's bids to become European Green capital and following the third and successful bid the University wished to ensure the widest possible engagement of staff and students in the year. A cross university workshop was held in 2013 to explore options and possible activities. Following this successful meeting the AVC Environment and Sustainability convened a cross university team, including the Students' Union to prepare the university's Green Capital Strategy. The Vice Chancellor's Advisory Board reviewed the strategy and gave its approval confirming a £50,000 budget. The strategy set out to engage all parts of the UWE community in the Green capital year and to do so via a wide range of engagement and outreach activities as well as through conferences, workshops, seminars and curricula activities.

The development team became the Green Capital Implementation Group and Dr Georgina Gough and Vicki Harris were appointed as Coordinators to oversee the implementation of the strategy. The group met regularly to plan activities and to check progress of the strategy. An impressive array of events and activities have been organised within the university and across the city involving students, staff, residents and visitors. Budget allocations encouraged engagement and innovative action from academic departments, professional services, the Centre for Performing Arts, who created original music compositions, and the SU and embraced research, teaching, music, work in schools, volunteering, internships and extra curricula activities.

In May 2016 UWE's activities will be showcased in the EAUCs Annual Conference through a Plenary Debate and as part of UWE's exhibition.

Who organised it?

A cross university team drawn from Faculties, Services and the Students' Union led by Jim Longhurst, Georgina Gough and Vicki Harris.

Attendance and reach

The Green Capital Strategy was designed to allow the university community to engage in, learn from and enjoy Bristol's year as European Green Capital through curricula, co-curricula, volunteering, research, knowledge exchange or cultural activities with a Green Capital focus.

Evidence (images, multimedia and artefacts)

<http://info.uwe.ac.uk/news/uwenews/news.aspx?id=3020>

<https://info.uwe.ac.uk/news/uwenews/news.aspx?id=3250>

<http://www1.uwe.ac.uk/aboutus/visionandmission/bristolgreencapital.aspx>

<http://www1.uwe.ac.uk/aboutus/visionandmission/bristolgreencapital/bristolgreencapitalgallery.aspx>

For more contact Georgina Gough.

Case study (organiser) : Jim Longhurst

"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.

The University community has engaged in, learnt from and enjoyed the Green Capital Year. The strategy set out to involve all sections of the university and to do so by diverse means, some traditional such as conferences and seminars and some not. I am particularly pleased at the way in which the cultural life of the university has been such a big part of the Green Capital Year. The Green and Pleasant Land concert and the Green Carol Service organised by the Centre for Performing Arts are personal highlights amongst many amazing activities. “

Impact and legacy

The Green Capital in numbers press release summarises the impact and reach of the strategy – see <http://info.uwe.ac.uk/news/uwnews/news.aspx?id=3250>

Relevant Green Capital themes

X	Energy	X	Health
X	Resources	X	Happiness
X	Nature	X	Cities
X	Transport		
X	Food		

Activity type

X	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement	X	Civic engagement
X	Faculty/service cu	X	Business facing activities
X	Academic conferences	X	Marketing and branding
X	Cultural contribution	X	Campus sustainability

Project funding

The University supported the strategy with an operating budget.

Did this activity happen for the first time during 2015?

The strategy was new but it built upon UWE, Bristol’s extensive commitment to and engagement in sustainability activity.

Will this activity happen again beyond 2015?

UWE will build on the success of the year, working with partners, to ensure that Bristol 2015’s wish that “It doesn’t stop here” is achieved in 2016 (see <https://www.bristol2015.co.uk/>) and that our students continue to have a wide range of opportunities to develop and enhance their sustainability experience and skills. In 2016 the university will work closely with the Bristol Green Capital Partnership to ensure that opportunities for staff and student to think, act and connect with the themes of the Green capital continue to be available.



debate. research. consider. listen. innovate

Our Green City (MOOC)

Contact

Sarah Hills, Simon Bates, Caroline Graham, Oliver Haslam.

Description:

On the 14th 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 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.

As well as gaining a better understanding of sustainability and cities, organisers hoped that the emphasis on positive stories of change would inspire and empower enrollers to take action on sustainability issues in their own life. With participants committing just a few hours each week, organisers hoped this course would provide learners with the skills and capability to lead environmental change in their own communities.

The course was free of charge and opened to participants from around the world with an interest in learning about sustainability in the context of a city; who were also willing to engage with the methods used to bring about community change. By offering this course, UWE Bristol provided an opportunity for mass participation in education and development towards world-wide action; whilst providing a vision for a more sustainable future.

The course included video presentations from UWE lecturers, quizzes and reading materials to provide a variety of engaging and stimulating learning activities. It expertly ensured a rich mix of theoretical and practical skills. Through the community learning approach, it was intended to offer the opportunity for students to build their own network of likeminded people to work with, to develop ideas with and to create approaches with.

Each week followed a specified template so that learners became familiar with the format. For those who wished to develop their understanding of the issues and debates, a suite of additional reading and signposting to other areas were included.

The course achieved a global reach, with over 1300 registered learners from all over the world, from Bristol to Bogota and beyond. Around 50% of the registered learners engaged in at least some of the Green Capital themes. A total of 2100 plays of course videos were made in 71 countries.

Who organised it?

University of the West of England staff:

- Academic lead – Sarah Hills
- Project team – Simon Bates, Caroline Graham, Oliver Haslam
- Academic contributions were made by numerous staff from across UWE, but particularly from within the Faculty of Environment and Technology.

Who took part?

This course was for anyone who is interested in cities and what we can do to make them more sustainable. Over the two runs of the MOOC some 2000 people registered.

External organisation involvement

Many Bristol organisations contributed case study material to the course.

Approximately 20 members of the Bristol Green Capital Partnership contributed to the weekly themes.

Evidence (images, multimedia and artefacts)



See more at:

- https://twitter.com/Our_Green_City
- <https://www.youtube.com/watch?v=Uortj8jO2JQ>
- https://openeducation.blackboard.com/webapps/blackboard/content/listContent.jsp?course_id=262_1&content_id=27224_1
- <http://www1.uwe.ac.uk/et/gem/courses/ourgreencity.aspx>

Case studies (UWE)

ACADEMIC LEAD

Sarah Hills (Senior Lecturer: Geography and Environmental Management) was the academic lead for “Our Green City”. Sarah designed the overall syllabus and worked with each of the academic and community contributors to ensure that the course gave participants a holistic and integrated insight into sustainable cities.

About the course, Sarah writes:

“The Green Capital themes gave the course a strong structure. At the same time we shaped the content so that participants could appreciate the interconnectedness between key issues such as energy, food, resource use, nature and transport.

The Bristol case studies were juxtaposed with global challenges and examples in order to bring sustainability theory to life. We purposely didn’t want to go down the “best practice” route, but instead hoped that the tenacity and creativity of real people working in imperfect circumstances would inspire others to think about what they could do where they lived.

I think all the academics enjoyed the creative process of distilling complex ideas into a few minutes of video. In our normal teaching we would draw heavily on academic research, but this is often copyright restricted. One of the biggest challenges, therefore, was to find suitable but copyright free learning materials.

When the course finished some of the participants contacted us to say that they wanted to connect with others on the course in order to start their own action groups – we couldn’t ask for better feedback than that !”

ACADEMIC CONTRIBUTOR

Richard Spalding (Senior Lecturer in the Department of Geography and Environmental Management) is an academic lead for “Our Green City”. He provided input for the MOOC for the week that addressed the theme of ‘food’. Richard believed the response and engagement from the 1300 participants, who he described as “first class contributors”, was “incredibly inspirational” and he was impressed with the high number of postings from participants.

Richard highlighted the many practicalities and criteria on his behalf for making a short film, and that because these restrictions were not imposed on participants enabled an “honest” depiction of their thoughts and learnings. The MOOC was an enticer in the terms that the leaders and organisers planted the seed and said “here’s our story” whilst provoking enrollers to share their own experiences. Richard believed this was able “to give them a sense that they were part of something real, something that’s not a sham”. He also feels that this experience enabled the contributors to educate him in return, for he read of stories in places all over the world like Nigeria and Bogota. He admired the ways that participants used the MOOC as a framework to articulate their own stories.

With regards to the technical elements of making a MOOC, Richard believed it was potentially easier for him than for other people because he had previously worked with his fellow contributors. He pinpointed the benefit of ‘blocking out the other noise’ from so many other people involved with the MOOC. From a contributor’s perspective, he prepared scripts but didn’t stick to them and advised the importance of adaptability when approaching a task like this. One thing that was in keeping with the results from the “end of week surveys” was the quantity of work involved for both participant and lead. He queried the value of the quizzes referring to them as just “recall” after taking him a substantial amount of time to produce. It seems there was an unfortunate underestimation of the time required, from what was initially recommended and the actual time it took for the week’s activities to construct and complete.

Overall, he claims the MOOC has stayed true to its initial intentions and what was promised has “largely been delivered”. He enjoyed the challenge of condensing detailed information into short videos and he praised it as a way of “crystallising the main thing you are trying to do.” He expressed the desire to recycle the videos and work created for the MOOC, as materials for lectures or Open Days.

BRISTOL CITY COUNCIL VIEWPOINT

Mark Leach (City Council Project Manager for Climate Change and Sustainability) contributed to the process of distributing the Green Capital Strategic Grant Funds. The funds were to be offered to projects that could support the Green Capital themes and objectives. The funding supported many projects such as Neighborhood Arts, the Bristol Lab space and multiple city centre events. Mark revealed that they chose the MOOC for a number of reasons. One of the questions on the mind of the strategic grant fund was ‘How could you enhance public understanding of themes?’ They needed an educational project alongside this – specifically tailored to adult education that could affect the entire Bristol audience. Whereas certain projects such as Arcadia were funded with the promise of a massive social gathering and although not laden with a ‘green’ message, still relevant, the MOOC was focused on education and heavily laden with a ‘green’ message. These funds hoped to outreach to a wide demographic. Although still an impressive figure, the funds could never have made a major infrastructure change in Bristol – so they needed to ensure an increase in engagement and behavior change.

Mark praised the way the MOOC made people feel 'upbeat' despite the serious environmental issues covered in the content. Also the way it showed how an individual can make a difference and become 'community catalysts'.

Mark explained that Green Capital funding was awarded to the MOOC because it answered key criteria – "It would have a legacy and the course would enable deeper links with academics and the city, ensuring an increase in the capacity of local organisations" The course also was chosen for its ability to reach out to "a wide demographic", once more emphasising the breadth of coverage that the organisations involved received. From his feedback, participants "loved Bristol as a case study and even if they weren't from Bristol, they still really enjoyed this aspect of the course."

PROJECT MANAGER

Simon Bates (Our Green City Project Manager) described UWE Bristol as 'a leader in sustainable education' and he recalled the moment the Faculty of Environment and Technology posed him the task of assembling a MOOC, the first of its type to be launched linked to a European Green Capital City. He identified this moment as 'an obvious opportunity for us (as a university) to engage with the public and to help connect them with Bristol Green Capital.'

He believed the MOOC was 'underpinned by the university's strategy 2020, the ethos of spreading knowledge, building partnerships and expanding networks.' The reach of this course has been formidable and this has been greatly enhanced by the relationship developed from involving local organisations around Bristol. This association with Bristol Green Capital Partnership projects has enabled Simon's team to work with 'a fantastic and inspiring range of people and projects'. Simon said, 'It's been really good for reaching out to local organisations and bringing them together with the university. This whole project has largely been about generating a greater learning community.'

A community man himself, Simon is highly interested in his own neighbourhood and he thinks that the use of Bristol as a case study has boosted the popularity of the course, as it was something that 'obviously resonated with participants.' He stated, 'when I talk to people around the city, they want to know more about sustainability and how they can change their environment and community. Our Green City provided a great way to gain this knowledge'. By using Bristol (a city that is paving the way for British sustainability) as a case study, ensured the course offered more than just 'simply presenting theoretical understanding of the challenges facing cities' by adding 'many examples showing how groups at a grassroots level are solving problems.'

Simon praised the Green Capital's influence and that 'the strategic fund enabled a greater cooperation with Bristol 2015, which offered the inspiration for the five themes that we covered in the course. We wanted to underpin the Green Capital themes and encapsulate a massive audience, not just in Bristol but worldwide.'

'We offered those participants a fantastic opening to engage with Bristol Green Capital. MOOCs are a new way of learning, and they provide an easy and effective way for people to access learning at a time that suits them and in the location that suits them.'

For Simon, a large part of his gratification from the course is the individual stories that have sprouted as a result of utilising the content provided as an incentive to transform their communities.

COURSE DEVELOPER

Oliver Haslam (Learning Technologist for the Faculty of Environment and Technology) was instrumental in the developing the course; populating it with videos, learning materials and activities which the academics produced. Oli aimed to make the MOOC 'as usable and aesthetically pleasing as possible' so that learners could 'navigate the website content and activities' with ease.

Oli created the 'badge' system as a way of increasing interest and engagement. He stated the badges were there to 'encourage learners to engage whilst offering them a reward for their activity.' Learners could publish the badges they earned to their 'Mozilla Backpack' (a directory for storing, organising and sharing Open Badges) in order to celebrate and evidence their achievements beyond the course itself. From their Backpack they could put their badges on their CV, display them on social media channels or show their friends and family to indicate what they had accomplished.

The badges were also intended to 'facilitate different aspects of the course'. So, for example, the 'Purple Engagement badges' were offered to those that watched the videos, the 'Yellow Comprehension badges' for answering the quizzes correctly and the 'Blue Reflection badges' for learners who completed the weekly task and posted it on the discussion forum. There was also a 'Green Mentor badge', where 'users nominated a fellow learner as being particularly useful from the week's discussions.' These colour-coded badges ensured all types of engagement were encouraged and rewarded.

FURTHER REFLECTIONS

Robin Hambleton (Professor of City Leadership) contributed to the course and said "I think "Our Green City" provides a good example of UWE making an influential contribution to European Green Capital discussions and plays to our educational role... and it is one that lives on after 2015"

Steve Brown (Film & Multimedia Producer, FET)

"Working with Resource Futures on their food waste films for the Our Green City MOOC was a real eye opener and really made me appreciate how hard Bristol is working towards avoiding and recycling food waste."

Case study (participant) :

Becky Golding, a freelance writer from Knowle in Bristol, was an enthusiastic participant of "Our Green City". Having previously worked for "Spark" magazine, an "eco-ethical quarterly", Becky has always been interested in sustainable issues. After the magazine discontinued, her engagement began to decline – but UWE's course offered her the chance to become involved in sustainable issues once more. Becky explained her disenchantment at the Green Capital year passing her by, but the MOOC made her feel like she has "been involved with Green Capital". She was made aware of "what was going on in Bristol and the world" and it has "re-ignited her green attention". Since Becky had a substantial awareness of sustainable issues, the course hasn't necessarily affected her day-to-day actions, but she applauded the MOOC for "backing ideas up with theory and philosophy" which has changed her mentality as she is now determined to study sustainable issues in more depth. She was delighted as the MOOC enabled her to "reconnect with what's going on" and as a symbol of its successful impact on her she has signed up to another online course in January called "Environmental Humanities".

Regarding structure, week one opened her eyes to the impact of cities in the development of a sustainable world. The week's learning alerted her to the idea that cities are both good and bad places to live, but they can be "a radical spot for innovative change". As well as opening Becky up to new ideas, the MOOC has reinforced her own beliefs with theory and assured her own actions.

Living in the notoriously hilly area of Knowle, Becky's kitchen window looks out onto the roof of her garage. Therefore week 4's instructions to create a garden on your roof benefited her in many ways. Now, instead of a grimy grey shed roof, she looks out onto a natural and colourful roof-garden.

Becky really felt a personal connection to the Nature week and admired the MOOC as a tool for change. This week reinforced her values and ideas as she had previously tried to influence her neighbours on implementing greener aspects to their neighbourhood before seeing its effectiveness on the MOOC. This then gave her the confidence to influence her neighbours into developing nature highways in their gardens. She claimed it was "'a ratifying of things she felt she knew, with a theoretical underpinning."

When pressed for a critical evaluation and areas for improvement, Becky highlighted the "overwhelming" first week of work and that that she has become "lazier as the weeks have gone on" because she hasn't had enough time to engage with the discussion. Nevertheless, she did hold the MOOC in a very high regard and described the quizzes as "very pleasing", the videos as "very good" and the reading "effective, but head-scratching in some places".

Survey participant 35 – Week one

As a way of monitoring the success and impact on its participants, the course leader's designed an end-of-week survey to offer a chance for feedback on that week's learning. The following is one candidate's response to week 1 – Cities.

When asked to provide one key piece of learning to take away from this week, this participant explained how they learnt of "the huge impact of cities in sustainability, both in negative and positive ways - and how huge the city populations of the world will become in the future." The participant pledged to "Keep learning! I thought I had gathered a pretty good understanding of sustainability, just through osmosis, following my interests, and my work (writing and web stuff on green and well-being issues), and talking to people. But I realise that I had not theoretical knowledge to speak of and this has been really useful - so I shall keep on with the course!"

Mentioning aspects of the course they specifically enjoyed, the participant stated "in a lot of respects [the course] is cementing what I already knew on a personal, practical level, but gaining a bit of theory and deeper understanding is stimulating and inspiring - I haven't done any studying like this for 20 years plus - my brain is creaking into action!!"

In terms of improvement the participant explained "The work load felt huge!! It has taken me four or five days to get through it - balancing with other aspects of my life. I think I read somewhere that week one is heavy - I hope this is the case because I am not sure I will be able to continue with this amount - I expected 2-3 hours per week - this has been around 10 hours for me - and I'm not a slow reader..."

To finalise their feedback, one participant simply left the comment "I am inspired!"

After the week's information and engagement, participants began to pledge for future actions. Actions included people promising to "grow my own salad vegetables and share seeds and produce with my neighbours", "work on making a septic system that could create fertiliser for surrounding gardens, fields ", "make every effort to make less visits to the supermarket and more to the local retailers", "introduce plants and wild plants to my own front garden, and share ideas with neighbours", "use green energy and look for those non-profit companies that promote their green energy" and to "Cycle more it is free it is healthy"!

Impact and legacy

Many comments on impact and legacy are included above. Some specific examples are:

- Deeper links between the city and academic institutions
- People's direct actions as a result of the MOOC
- Video archive of educational content.
- It was the first MOOC of its kind which could trigger further courses.

Relevant Green Capital themes

X	Energy	X	Health
X	Resources	X	Happiness
X	Nature	X	Cities
X	Transport		
X	Food		

Activity type

X	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement	X	Civic engagement
X	Faculty/service actions		Business facing activities
	Academic conferences		Marketing and branding
X	Cultural contribution		Campus sustainability

Project funding

Our Green City was funded by a Strategic Grant from Bristol City Council and the Faculty of Environment and Technology, UWE, Bristol.

Did this activity happen for the first time during 2015?

Yes – this was one of UWE's flagship Green Capital projects.

Will this activity happen again beyond 2015?

A second run of Our Green City commenced in February 2016.

<http://www.bristol247.com/channel/lifestyle/learning/sponsored-feature/our-green-city-course-returns-in-february>

The resources created for the course will continue to be used within UWE beyond 2015.

Staff Awareness

Contact

Vicki Harris and Georgina Gough

Description

Vicki Harris (UWE Sustainability Engagement Officer) outlined the engagement intentions for the Green Capital Year. Taking its lead from the UWE Green Capital Strategy the aims were :

1. To let people know what is happening in the city and to promote the public events and offers available to UWE members.
2. To encourage staff and students to “Do15”.
3. To engage a wider audience. There has been something for everyone in the “plethora of events” whether their interests are academic or practical.
4. Provide options to enhance involvement with communities and to connect students and staff with the city.

At the UWE Bristol 2015 Green Capital launch event – staff were surveyed on their knowledge of Green Capital. Over 90% had heard of Bristol Green capital (based on ongoing soundings e.g. at the late 2015 staff welcome fair – only 2 people out of 57 hadn’t heard of Bristol, Green Capital 2015)

Staff inductions involve the sustainability team addressing new staff at the welcome fair. 60-70 people attended this year’s event. Vicki stated it’s been “fantastic this year” as she’s “been able to present what UWE is doing and what we ask the staff to do and they take it on board with even more meaning because of the Green Capital year”. This has been aided by the Do15 campaign, which included city ambitions including getting 20% of commuters to travel by bike by 2020. This is being targeted through improved infrastructure in the city. Vicky tries to encourage staff to be good green role models and to include sustainability into their teaching. The Do15 campaign has been supported by the purchase of the green button which was bought in June and will continue to be used into the future. For the sustainability team, the Green Capital year has ensured “increased contact across UWE”. Their outreach stretches to people who are happy to receive an email regarding sustainability news to those that are willing to explicitly engage in something active. They have risen from 245 contacts to 580 people who are genuinely interested in making a difference. There has been an escalation of communications outlets, from Green UWE Facebook pages to ensure outreach to more people. There has been an extension of contact with academics and the sustainability team. This can be found through social science seminars which have been “easier to promote” as there has been a “systematic embedding of academic contacts”.

On the 7th of January there was a networking event for staff across Employability & Enterprise teams on the theme of Green Capital in The Octagon. This was an informal networking event, to enable staff across E&E to get to know each other and share some of our work. They used this opportunity to share what teams in E&E are doing for Green Capital, and to generate new ideas to work on over the year. Jim Longhurst gave a brief introduction, before small round table discussions led by different people about the projects they are working on (e.g. Green Ambassadors, Green Internships). It was organised by Jamie Darwen and approximately 20 people attended.

‘Reuse UWE Office Furniture’ events were opportunities to view the furniture available for reuse in UWE offices or for home use. Organised by Eddy Piper (Furniture & Equipment Reuse Officer) equipment for a UWE office was free and delivered from the T-Block Furniture store. Furniture for home use required a small donation, which was used to fund more sustainable projects. This scheme both ensures that furniture is recycled to serve a purpose once more, whilst aiding local charities via donations.

On the 12th of February, there was an opportunity to hear direct from Carl Lapworth (Director of Masterplanning) on how UWE is incorporating sustainability into the development of the campus. It encouraged attendees to “ask those questions you have been wondering about, and give him your feedback on what has happened already and your ideas for the future.”

UWE’s Green Capital 2015 team manned a stand at the S.U’s Tree Party Eco Festival. The UWE stall were taking pledges and taking photos from students and staff. Students were offered booklets and leaflets containing valuable contact information and detailed tips on how to save energy. They could sign up to receive monthly emails to update them on all the upcoming and past events the university is a part of. Students were informed of events such as a farmer’s market on campus. Many students were interested in global and environmental issues – willing and wanting to learn more and do more to preserve their habitat. They made plenty of pledges and signed up to Facebook and Twitter. Pledges ranged from taking the bus to university, cycle more or use a food bin.

UWE held an internal ‘End of Year ESD and Green Capital event’ on the 14th of July. This enabled participants to share successes of the past academic year, talk to others about ESD, sustainability and Green Capital, seek advice about sustainability and the curriculum, help to plan UWE's ESD activity for 2015/16, engage in focused, fast-paced activities related to our ESD provision and to be part of Green Capital.

Jonathon Porritt has been a renowned figure in the world of sustainable development for the last 40 years. A former Director of Friends of the Earth, Chair of the Sustainable Development Commission (2000- 2009), and founder director of Forum for the Future, he is an eminent commentator, author and broadcaster. He lead a talk about the prospects for sustainability under the new government - a thought provoking way to kick off Bristol's Big Green week at UWE in this Bristol's European Green Capital year. Held on the 15th of June, the talk attracted 70 people. When asked what his definition of sustainability is, he answered ‘At its simplest, living as if we hoped human life would continue forever on this planet.’

Vicki and Georgina gave numerous presentations on UWE’s sustainability engagement and Green Capital to staff and students throughout out the year. These had a clear focus on encouraging people to get involved and a number of spin off projects have results. For example, 90 1st year human geography students undertook projects on UWE sustainability, graphic design students have been working on mapping sustainability to areas of UWE curriculum and events on sustainability in health professions have been organised by staff and students. Further staff awareness raising activities included presentations to the academic development programme cohort, to department and faculty fora and to professional staff groupings.

Who organised it?

These events were organised by UWE, Vicki Harris, Georgina Gough, The Students’ Union, the UWE Sustainability Team and academic staff.

Attendance and reach

Activities have engaged staff, students and visitors on UWE’s Bristol campuses.

Evidence (images, multimedia and artefacts)

<https://www.youtube.com/watch?v=43QN6gEdFes>

<https://soundcloud.com/uwebristol/jonathon-porritt-prospects-for-sustainability-with-a-new-government-part-2> - podcast

For more contact Georgina Gough.

Case study (organiser) :

UWE's 'Raising the Baseline' project was implemented to further develop UWE's engagement with Education for Sustainable Development (ESD) delivery across academic departments; integrating staff development, the student experience and the student voice to ensure consistency across the institution. Speaking in reaction to UWE's Green Gown Award shortlisting for the project, **Dr Georgina Gough (Senior Lecturer in Education for Sustainable Development)** said, "Our ESD work reaches all our disciplines and we have made good progress in increasing staff confidence and capabilities related to delivering ESD. This has resulted in the development of more opportunities for students to engage with sustainability as part of the formal, informal and extra curricula".

Vicki Harris (UWE Sustainability Engagement Officer) has helped to host and organise an outstanding array of events throughout the year – all supported by UWE's Green Capital Strategy. She believed Bristol 2015 has involved a "bigger and broader" audience for events at UWE and in Bristol. Overall, Vicki has described the Green Capital as "a complete gift to be able to engage people. Bristol 2015 has inspired and energised students and staff, engaging them in the issues at UWE, in the city and beyond above all it has provided a solid foundation on which to build in 2016."

Testimonial

Gary Topp (Bristol Green Capital Development Director) stated that "the work that UWE has done, through the sheer volunteering efforts, the promotion on the campus and the real presence in the city has been extraordinary this year. It's vital to keep this going and I am delighted to continue this partnership into the next year. The work Vicki and the rest of UWE staff have done over the year need not be forgotten and we must ask ourselves how does this work go on into the future?"

Impact and legacy

Vicki Harris believes that there has been a surge in staff engagement.

ESD activities will continue into 2016 and beyond with projects including engagement with the NUS Responsible Futures initiative and Sustainable Development Goals and other UN initiatives.

Relevant Green Capital themes

X	Energy	X	Health
X	Resources	X	Happiness
X	Nature		Cities
X	Transport		
X	Food		

Activity type

	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement		Civic engagement
X	Faculty/service actions		Business facing activities
	Academic conferences	X	Marketing and branding
	Cultural contribution	X	Campus sustainability

Project funding

UWE's Green Capital Budget supported an enhanced level of staff awareness raising activity during 2015.

Did this activity happen for the first time during 2015?

There was considerable additional activity and a Green Capital focus during 2015.

Will this activity happen again beyond 2015?

Our staff awareness raising will continue well beyond 2015. It doesn't stop here.

Whole Earth? Exhibition

Contact

Vicki Harris
Georgina Gough
Jim Longhurst
Mark.Edwards@hardrainproject.com

Description:

As part of its Green Capital Strategy, UWE is hosting the Whole Earth? Exhibition. The Hard Rain Project and the National Union of Students launched the exhibition with Students Organising for Sustainability (SOS) at universities around the world in September 2015. The project's website states that "Whole Earth? is based on the premise that the future belongs to today's young people and that students and universities everywhere can play a major role in making society more sustainable. (See more at: <http://www.hardrainproject.com>)

Students, staff and members of Bristol 2015 were invited to the opening of Whole Earth? exhibition launch (12th October), where speeches were given by UWE Deputy Vice Chancellor Helen Lloyd Wildman, AVC Jim Longhurst, Students' Union at UWE president Jack Polson and the originator and driving force of the project Mark Edwards.

This 66-meter long exhibition was positioned on a major public thoroughfare through Frenchay Campus, used daily by hundreds of people. The exhibition profiles issues associated with global social, environmental and economic challenges and inequalities. It is an invitation to students and their tutors to articulate the kind of world they want to live in, and, through Students Organising for Sustainability bring them together to show political and business leaders support to take the difficult long-term decisions that underpin security for all.

There was live music before the three speakers offered their thoughts and ambitions for the work on show. Helen Wildman was sure the exhibition would 'raise key environmental and social issues' whilst Jack Polson praised the exhibition as a way in which students can be 'informed and empowered' to take action for sustainability. Finally, the dynamo of the project Mark Edwards explained the origins of the story and his hope that students and universities will respond with answers to the challenges mentioned on his display.

In reaction to this, the students union challenged the university to respond to every single one of the challenges posed. The SU held discussions on Whole Earth in the curriculum of UWE which were open to both staff and students. One occurred on the 9th of December and another was held in January. Further events will be held and the results of these will be released in 2016.

Who organised it?

Vicki Harris

Attendance and reach

The launch event was attended by staff, students and Members of Bristol 2015 and the Bristol Green Capital Partnership. Over the course of its year long display, the exhibition will be viewed by hundreds of staff, students and members of the general public who pass along this public right of way.

External organisation involvement

The exhibition is a collaboration between the Hard Rain project, National Union of Students (NUS) and Students Organising for Sustainability (SOS).

Evidence (images, multimedia and artefacts)



Helen Wildman (Deputy Vice Chancellor)



Mark Edwards (Curator of Whole Earth)



Attendees admiring and studying the exhibition.

<https://twitter.com/UWEBristol/status/653994951211098112>

Case study (organiser)

Mark Edwards, Hard Rain director and Whole Earth project lead, claimed the target for his exhibition is students, who are 'the generation that have to fight for change'. He was impressed with the university's development and engagement with the Green Capital, whilst reiterating the need to open up a student's mind to counteract a potential reluctance in elders who perhaps aren't so suited to change. He desired a 'combined effort from students across all disciplines to make a change' as these issues 'affect people across all walks of life.' They offered 'university challenges' for a variety of subjects. The subjects they chose were intended to be 'controversial' to attract attention and combat

preconceptions of the type of people that can take action for sustainability. Mark believed working with the NUS was 'very important' and 'absolutely crucial' in achieving their goals.

The Hard Rain project (of which Mark Edwards is director) partnered with the Environmental Association of Universities and Colleges (EAUC) and the National Union of Students (NUS) in developing the Whole Earth exhibition. Mark believed working with the NUS on the Whole Earth project was 'very important' and 'absolutely crucial' in achieving their goals.

Despite being a very well-travelled man, he hailed Bristol's recent efforts in becoming European Green Capital. He stated 'Bristol stands out as a city that takes sustainable development seriously' and that this title must surely benefit the university as the university's efforts benefit the city council. Any step we take to a sustainable world 'gives power to every other step'.

Testimonials:

Gary Topp (Development Director of Bristol 2015) commended the university for installing the exhibition in such a busy walkway enabling 'so many students, staff and visitors' to see it. He appreciated the 'clear description on why an approach to sustainable development requires a variety of skill sets.'

Whilst referring to the Whole Earth? exhibition, **Leyth Hampshire (Sustainability Officer, UWE)** stated that 'we will get to where we want to' in terms of saving our planet. 'We're on the journey to get there but we will.' He described Mark's work as 'breath-taking'.

Impact and legacy

The exhibition has sparked conversation and debate about the issues highlighted. Specific learning activities have been developed around the exhibition within the Department of Geography and Environmental Management. Workshops have been run to consider UWE's current and future contributions to the challenges posed and aspirations for the future. These will continue well into 2016 and the exhibition will remain in place until mid-2016. The UWE exhibition will be the subject of special events during the Environmental Association of Universities and Colleges Annual Conference being held at UWE in May 2016.

Relevant Green Capital themes

X	Energy	X	Health
X	Resources	X	Happiness
X	Nature	X	Cities
X	Transport		
X	Food		

Activity type

X	Student impact and engagement	x	Research and knowledge exchange
X	Staff engagement	X	Civic engagement
X	Faculty/service actions		Business facing activities
	Academic conferences	X	Marketing and branding
X	Cultural contribution	X	Campus sustainability

Project funding

The Whole Earth? Exhibition is being hosted with funding from UWE's Green Capital budget.

Did this activity happen for the first time during 2015? Yes

Will this activity happen again beyond 2015? Yes throughout 2016

**Academic Conference: Learning from the Sharp End – Implications for Sustainability in HE’
(Education for Sustainable Development Conference)**

Contact

Georgina Gough Georgina.Gough@uwe.ac.uk

Description:

UWE co-hosted the ‘Learning from the Sharp End: Implications for sustainability in HE’ Conference with the University of Bristol as part of the HEFCE-funded Green Capital Student Capital project. Learning from the Sharp End ran on 7-8 September and attracted nearly 100 delegates from across the UK and abroad. The programme contained more than 40 presentations, alongside workshops, roundtable discussions and networking opportunities. Feedback from attendees was extremely positive, particularly in relation to the range and diversity of presentations. A manifesto was developed at the end of the event to capture the themes of the two days. Materials from the conference can be accessed via the conference website: <https://sites.google.com/site/beyondesd/home>

Who organised it?

UWE and the University of Bristol.

Organising Committee: Jim Longhurst (UWE), Chris Wilmore (UoB), Georgina Gough (UWE) and Hannah Tweddle (UoB).

Attendance and reach

The event was attended by nearly 100 delegates from across the UK HE sector, from Bristol 2015 and internationally. Speakers included: Ian Patton (CEO Environmental Association of Universities and Colleges), Sara Parkin (Founder Director of Forum for the Future), Carolyn Roberts (Senior Scientist at the UK Knowledge Transfer Network (KTN)), Andrew Garrad (Chair Bristol 2015), Jo Taylor (Head of Education, Bristol 2015), Carole Parkes (Chair of UK and Ireland Chapter of the United Nations Principles of Responsible Management Education) and Jamie Agombar (Head of Sustainability, National Union of Students).

UWE was represented by staff and students from across our faculties. Presentations were made by Jim Longhurst (AVC Environment and Sustainability), Elena Marco (Head of Department, Architecture and the Built Environment), Lauren Conen (VP Education, SU at UWE), Sam Thomson (Director of Civic and Cultural Engagement, Faculty of Arts, Creative Industries and Education (ACE)), Vicki Harris (Sustainability Engagement Officer), Georgina Gough (SL Education for Sustainable Development), Maryam Lamere (Engineering, Design and Mathematics), Simon Bates (e-learning Project Manager, Faculty of Environment and Technology (FET)), Ian Brooks (SL Sustainable IT), Jamie Darwen (Head of Student Experience and Enrichment), Hugo Gaggiotti (Associate Head of Department – MBA Programmes, Bristol Business School), Svetlana Cicmil (Director of Doctoral Research, Bristol Business School), Abimbola Bakare (PG student – Bristol Business School), Jody Lockyer (PG student – Bristol Business School), Akinloluwa Akinbusoye (PG student – Bristol Business School), Billy Clayton (Green Capital Student Capital project co-ordinator), Laura-Kate Howells (Green Team Co-ordinator), Sarah Hills (Programme Leader – Sustainable Development in Practice), Jo Barnes (Programme Leader – MSc Environmental Management), Stephen Martin (Visiting Professor in Learning for Sustainability), Martin Bigg (Professor of Environmental Technology), and Leyth Hampshire (Sustainability Office, SU at UWE).

UWE graduates were employed to help document the event. Annie Stevens (BA Graphic Design) and Joe Munro (BA Illustration) both captured high quality visual evidence of the event. Further, current BA Journalism student Liam Lawrence wrote a piece on the conference as part of his Green Capital article portfolio.

External organisation involvement

Many HEIs were represented at the conference, along with other organisations from the HE sector and sustainability-related organisations both from Bristol and beyond.

Evidence (images, multimedia and artefacts)



Event feedback

The value of the event for networking was highlighted by many delegates. The involvement of students (as presenters, delegates and helpers) was also identified as a highlight.

Positive feedback from delegates also included the following comments:

- 'Uniformly excellent and interesting presentations'
- It was good to 'learn the faces and the history behind projects and programmes'
- 'Getting a sense of where ESD in HE is at the moment' was interesting
- 'A lot was covered quickly so the day didn't drop - it was fair paced which was good. It was a good taster to follow up on ... Also good variety of speakers'
- Sense of narrative that developed through the conference, which makes me feel this is going somewhere
- Stories of what works (and what doesn't) from other institutions
- Face to face dialogue about aspects that didn't make it into the presentations
- Hearing other perspectives e.g. KTN, Forum for the Future
- Opportunity to mix with a different community of practitioners and professionals and learn from them

In relation to planning for future events of this type, feedback and experience have identified the following issues to ensure a smooth experience for all involved:

- Regular and clear communication is vital – pre, during and post-conference
- Having small rooms for parallel sessions to keep people together is good
- Allowing time – for thought, for small group as well as larger group discussion, to move between sessions, for interactivity, for presentations – and keep to time
- Ensure comfort of delegates – temperature, visibility, access, food (buying local and fresh and spending more is appreciated!)

What can be said about impact and legacy?

The event served as a useful opportunity for the ESD community to reconnect and reflect on its engagement with current global sustainability activity such as the Sustainable Development Goals and COP21. A manifesto for action was agreed at the end of the conference which reflected the tone of the two days of presentation and discussion. This is intended to set an agenda for the UK ESD community for the short- to medium-term. A seminar series has been proposed to follow up on the issues raised in this manifesto.

Many delegates identified ideas from the conference which they were going to take back to their roles. Thus, the conference has impacted on practice across the UK HE sector and beyond.

Does this activity have relevance to any of the following themes (tick all that apply):

X	Energy	X	Health
X	Resources	X	Happiness
X	Nature	X	Cities
X	Transport		
X	Food		

Is this activity an example of any of the following

X	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement		Civic engagement
	Faculty/service actions		Business facing activities
X	Academic conferences		Marketing and branding
	Cultural contribution		Campus sustainability

Did this activity receive any specific funding

The conference was partly funded with money from the Green Capital Student Capital HEFCE Catalyst project.

Did this activity happen for the first time during 2015? Yes

Will this activity happen again beyond 2015? No, although spin off events have been planned.

Academic Conference: BIM International Conference on Building Information Modelling In Design, Construction and Operations

Contact

Lamine Mahdjoubi

Description

In September, UWE hosted the 1st International Conference on Building Information Modelling (BIM), organised by that Institution and the Wessex Institute with the collaboration of Robert Gordon University. The Conference was chaired by Professor Lamine Mahdjoubi of UWE Bristol; Professor Carlos A Brebbia of the Wessex Institute; and Professor Richard Laing from Robert Gordon University, Aberdeen.

The conference discussed Building Information Modelling (BIM) as a catalyst for change in the twenty-first century. BIM is essentially value creating collaboration throughout the entire life-cycle of an asset, underpinned by the creation, collation and exchange of shared 3D models and intelligent, structured data attached to them. BIM has far reaching consequences on both building procurement and infrastructure. This recent emergence constitutes one of the most exciting developments in the field of the Built Environment. These advances have offered project teams multi-sensory collaborative tools and opportunities for new communication structures.

Modern built environment disciplines have been transformed through the development of new and innovative tools and techniques. These have fundamentally altered the manner in which the supply chain operates the processes through which designs are evolved, and the relationships between conceptual, detail, construction and life cycle stages.

Fundamental design decisions taken early in the design process have far reaching consequences. All the major mistakes are made on the first few days of the design process. Lamine explained that it is important to consider the following matters at an early stage:

- Constructability
- Environmental impact
- Operation and maintenance

The cost of design change continues to grow during the building programme while the ability to impact costs savings decreases.

BIM is also essential in safety planning as it fosters a collaborative approach to the problem. In the UK in particular health and safety is now considered an integral part of the project.

Architecture ought to be seen as a manufacturing process, Lamine said. There is currently a whole range of building components that are built in the factory rather than on site. BIM is affecting almost every aspect of design management, construction, operation and end of life.

<http://www.wessex.ac.uk/conferences/2015/bim-2015>

The Conference served to bring together experts from industry, practice and academia to debate topics, develop innovative solutions and predict future trends. The papers reflected this as well as the importance of interdisciplinary and collaborative practices. These papers are available to the international community through the eLibrary of Wessex Institute (www.witpress.com/elibrary) as well as the book, which is distributed internationally in paper and electronic format.

Who organised it?

UWE and the Wessex Institute with the collaboration of Robert Gordon University.

Attendance and reach

Experts from industry, practice and academia.

External organisation involvement

Wessex Institute & Robert Gordon University

Evidence (images, multimedia and artefacts)



Lamine Mahdjoubi of UWE Bristol; Professor Carlos A Brebbia of the Wessex Institute with a conference delegate. September 2015.



More information available at: <http://www.wessex.ac.uk/conferences/2015/bim-2015>

Testimonials

Prof Paul Olomolaiye (Pro-Vice Chancellor of the University of the West of England) opened the meeting by explaining the role of Bristol in the historical development of the country, particularly in terms of engineering heritage. Bristol is now one of the most dynamic cities in the UK and a very pleasant place to live. Bristol has the uniqueness that its Mayor is a professional Architect and an indication of the importance it attributes to its building environment is the fact that Bristol is now a Green European City.

The University itself – Paul explained – has the largest school of the Built Environment in the country with many fields of specialisation in its innovative curriculum. Paul concluded that for all these reasons, the BIM Conference is very appropriate for the University and he wished all participants a successful week, during which further avenues of collaboration are found. Prof Lamine Mahdjoubi referred to the importance of BIM from the “cradle to the grave”. It is not only necessary to construct a building but to consider how it will perform and the maintenance that it will require throughout its whole life, which includes decommissioning. Information, in other words, needs to be brought up to date.

Impact and legacy

Knowledge exchange and networking delivered by the conference will impact upon the building and construction industry and beyond. Publications stemming from the conference will also continue to influence thinking and practice. These include: Mahdjoubi, L., Brebbia (ed), C. A. and Laing, R. (2015) Building information modelling (BIM) in design, construction and operations. (149) Southampton: WIT Transactions on the Built Environment. ISBN 9781845649142 Available from:

<http://eprints.uwe.ac.uk/27258>

Relevant Green Capital themes

X	Energy		Health
X	Resources		Happiness
	Nature	X	Cities
	Transport		
	Food		

Activity type

	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement		Civic engagement
X	Faculty/service actions	X	Business facing activities
X	Academic conferences		Marketing and branding
	Cultural contribution		Campus sustainability

Project funding

UWE's Green Capital budget supported elements of the conference.

Did this activity happen for the first time during 2015?

No

Will this activity happen again beyond 2015?

There are no current plans to repeat this conference at UWE.

Academic Conference: Routes to Clean Air Conference

Contact

Jo Barnes, Ben Williams & Jim Longhurst

Description:

What happened:

'Routes to Clean Air' was a two-day (22nd – 23rd October) conference where academics, professionals and policy-makers shared their experiences of improving traffic emissions. A number of international speakers spoke at The Grand Hotel, highlighting the importance of public communication and behavioural change surrounding road transport and air quality issues. UWE provided two academic speakers at this event, Prof. Graham Parkhurst and Prof. Jim Longhurst.

Prof. Graham Parkhurst spoke on the Air Quality Implications of New Technologies for Urban Mobility. The abstract for this presentation was: Four processes lie at the contemporary intersection between urban mobility management and new technologies: automation, electrification, collectivisation (asset-sharing), and information (data-sharing). Each of these has implications for air quality. The presentation considered whether those implications are likely to be positive or negative. It argued that much depends upon how the technological innovations are applied and, critically, what prospect there is for these four processes to be integrated in coherent local transport policy.

Prof. Jim Longhurst spoke on Air quality in historical perspective — or why we fail to learn the lessons of history. This presentation explored contemporary issues of air pollution through the lens provided by history. It presented a perspective drawn from an analysis of historical, and mostly failed, attempts to manage air pollution from classical times until today. It asked the question why have we not learnt from the lesson history provides? It did so with the benefit of 2020 hindsight!

Dr Enda Hayes (Associate Professor - Air Quality and Carbon Management and Director of the Air Quality Management Resource Centre) commented that "The Routes to Clean Air Conference was a great event and we should be proud of our involvement with it as well as of the contribution UWE makes to this important area of research".

Who organised it?

The Institute of Air Quality Management (IAQM) in association with the University of the West of England (UWE) and Bristol City Council (BCC).

Attendance and reach

The event was attended by professional who provide products or services to the Air Quality industry.

Evidence (images, multimedia and artefacts)



Presentations from the conference (including Prof. Parkhurst's and Prof. Longhurst's can be viewed at: <http://iaqm.co.uk/relive-routes-to-clean-air-watch-the-talks/>

Impact and legacy

UWE air quality research is contributing to cleaner air not only in Bristol but globally through the multi-agency and internationally connected work of researchers.

Relevant Green Capital themes

X	Energy	X	Health
X	Resources		Happiness
X	Nature	X	Cities
X	Transport		
	Food		

Activity type

	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement	X	Civic engagement
X	Faculty/service actions		Business facing activities
X	Academic conferences		Marketing and branding
	Cultural contribution		Campus sustainability

Project funding

This work is funded from with the budget of the AQMRC and from successful grant application funding, internal, national and international.

Did this activity happen for the first time during 2015?

No

Will this activity happen again beyond 2015?

Air quality research will continue and the team will continue to contribute to international conference events. Routes to Clean Air 2016 will feature contributions from UWE researchers.

Academic Conference: Environmental Law

Contact

Professor Jona Razzaque, Email: Jona.Razzaque@uwe.ac.uk, Tel: 0117 328 3388

Description:

What happened:

Dr Jona Razzaque (Professor of Environmental Law) is a member of UWE's Environmental Law Unit, a group of lawyers which recognises that human well-being depends on maintaining the long-term sustainability of ecosystems such as forests and water. Jona's work is linked to sustainability in general, but her fantastic efforts this year can clearly be related to the Green Capital themes. She says:

"2015 was a particularly productive year here at the UWE as we worked towards achieving sustainability with the Green Capital Themes that engaged students, staff and the general public. During the year, an inspiring array of student led activities took place that looked at the relevance of green economy to sustainable development, hazardous waste management, importance on biodiversity action plans in relation to green infrastructure, renewable energy, and the application of market based tools to address climate change. This is just the beginning... the enthusiasm we have seen among the students will continue to grow."

To emphasise Jona's environmental commitments, she writes,

"All human beings depend on the environment in which we live. A safe, clean, healthy and sustainable environment is integral to the full enjoyment of a wide range of human rights, including the rights to life, health, food, water and sanitation."

"A substantive right to a healthy environment needs to be complemented by participatory environmental rights such as rights to information, participation and justice. When people are able to learn about, and participate in, the decisions that affect them, they can help to ensure that those decisions respect their need for a sustainable environment."

<http://www1.uwe.ac.uk/bl/bbs/newsandevents/professorialinaugurallecture/previousinaugurals/professorjonarazzaque.aspx>

Jona's research work (and teaching) is explicitly linked to sustainability, and her work this year has contributed to addressing the Green Capital Themes. During the Green Capital year of 2015, Jona and her colleagues published a book on "International Environmental Law and the Global South"(Cambridge, 2015). Jona explained how "this book has already been highly recommended by the environmental academics."

Also in the Green Capital year, there were at least five events that Jona organized, gave papers or participated. Those being:

1. Inaugural Lecture: "The Green Economy and Forest Ecosystem Services: Assessing the global North – South Divide" (Sept 2015)

This was a lecture from Jona that explored the opportunities and concerns of forest ecosystem services in the context of conflicting priorities of the North and the South.

Both the global North and the global South are actively engaged with the concept of green economy, and policies are in place in many developed and developing countries to facilitate the transition to inclusive and resource-efficient green economy. At the international level, it is hailed as a great enabler for economic rebalancing between the North and the South leaving aside the disagreement

over who reaps the benefits of unsustainable economic activity and who bears the burden of resource depletion and pollution. Approaches such as payments for ecosystem services can help to secure an economically efficient shift to a sustainable economy, offer incentives to forest conservation, and encourage sustainable development in sensitive forest areas. Sustainable investment in forest ecosystem services can assist the global South gain a competitive edge and contribute to enhance the livelihoods and wider well-being of poor people. However, for such payment schemes to work, appropriate national laws, policies and institutions are needed along with adequate economic settings and incentives. This lecture, attended by 50 people, explored the opportunities and concerns of forest ecosystem services in the context of conflicting priorities of the North and the South. More info:

<http://www1.uwe.ac.uk/bl/bbs/newsandevents/professorialinaugurallecture/previousinaugurals/professorjonarazzaque.aspx>

2. Jona was a Session Convenor for the Socio Legal Studies Association Conference in Warwick during April entitled 'Renewable Energy and Sustainable Development' (April 2015). 15 people attended this event.

3. Jona was a plenary speaker with 'Forest ecosystem services and the north-south divide' in the IUCN Colloquium on Environmental law (Jakarta, Indonesia, September 2015)

At the IUCN Academy of Environmental Law 13th Annual Colloquium, proceedings began with a symposium on "Forest Values in the Global Economy," with presentations and discussions oriented around the recently-published volume on International Environmental Law and the Global South (Cambridge UP, 2015). UWE's Jona Razzaque and her fellow authors shared their observations and analysis with 150 scholars and researchers from IUCN Academy member institutions at the Atma Jaya University, Jakarta, on September 7th, 2015.

More info: <http://www.iucnael.org/en/news/latest-news/96-featured/497-iucn-academy-of-environmental-law-13th-annual-colloquium>

4. *Jona's paper was on 'Agricultural investment, the South and the North' in the Asian Society of International Law Colloquium (Bangkok, Thailand, November 2015)*

The focus of this paper was to examine the North-South divide in the agricultural investment regime with case studies from the agribusiness sector in Vietnam and the aquaculture sector in Bangladesh. With the rising problem of land acquisition, environmental pollution and human eviction, the paper examined the legal safeguards available in the investment contracts as well as in the domestic legal regime, the responsibility of state in providing adequate EIA tools, and the role played by economic incentives in ensuring sustainable agricultural investment. 40 people attended this event.

More info:

http://asiansil.org/conference/5thBiennial2015/index.php?option=com_content&view=article&id=20&Itemid=21

5. *Jona participated at the student led Environmental Law Student Conference, organised by Dr Onita Das and Dr Benjamin Pontin of the Environmental Law Research Unit, Centre for Legal Research, Bristol Law School (UWE Bristol, 11 March 2015). 30 people attended this event.*

More info: <http://www.environmental-inet.co.uk/events-calendar/environmental-law-student-conference-2015/>

Who organised it?

These events were organised respectively by the Faculty of Business and Law (UWE), the Socio-Legal Studies Association (UK), Panel convenor: Jona Razzaque, IUCN Academy of Environmental Law, Asian Society of International Law and Environmental Law Research Unit of the Centre for Legal Research (FBL), Organised by Dr Onita Das and Dr Ben Pontin.

Attendance and reach

The IUCN Academy of Environmental Law event was attended by, among others, Judge Christopher Weeramantry, former Vice President of the International Court of Justice, Professor Nicholas Robinson (US), Professor Bharat Desai (India), Professor Koh Kheng Lian (Singapore), Professor Carmen Gonzalez (US) and many other renowned environmental academics.

External organisation involvement

Socio-Legal Studies Association (UK), IUCN Academy of Environmental Law, Asian Society of International Law.

Evidence (images, multimedia and artefacts)



IUCN Academy of Environmental Law. From left: Professor Nicholas Robinson (US), Professor Bharat Desai (India), Professor Koh Kheng Lian (Singapore), Professor Shawkat Alam (Australia), Professor Jona Razzaque (UK), Professor Carmen Gonzalez (US)



Inaugural Lecture at the FBL, UWE (September 2015)



From left: Steve Dinning (Head of Law Department), Fiona Tolmie (FBL), Nicholas O'Regan (FBL).
Front: Jona Razzaque (Law)

Case study (participant) :

There have been many reviews and endorsements of Jona's work, one being James T. Gathii, Wing-Tat Lee (Chair in International Law, Loyola University Chicago School of Law) who claimed that 'this is a richly superb book. It is the first systematic exploration of the closely entwined relationship between environmental, economic and human rights issues in a North-South context. It adopts a historical and critical approach and authoritatively moves discussions of international environmental law and policy beyond a state-centric framework. It gives voice to perspectives and issues from the global South including the challenges of accountability of non-state actors and addresses how these challenges could be resolved. In short, it is one of the most important new contributions to international environmental law and policy scholarship in the last few decades.'

Reviews and endorsements are available here:

<http://www.cambridge.org/gb/academic/subjects/law/environmental-law/international-environmental-law-and-global-south>

Impact and legacy

The impact of the book lies with its emphasis on the priorities and perspectives of the countries and peoples of the global South and its recognition that a sustainable planet is impossible in a world plagued with significant and growing inequalities. It explores the relationship between international economic law and sustainable development from a North-South perspective, and examines the plight of historically marginalized communities and vulnerable states through the framework environmental justice.

Much of the existing literature on the topics addressed by this book is written by scholars from the global North and fails to fully appreciate and address the tensions between Northern environmental priorities and the needs and concerns of the poor in the global South. This book differs from others in that it emphasizes the priorities and perspectives of the countries and peoples of the global South.

The legacy of the book will be to make people think about the significant and growing inequalities in the international environmental law regime; and understand the contemporary North-South conflicts within a historical context. The numerous contemporary examples will help people to understand the distinct areas of international environmental law and want to understand the specific North-South divisions in those areas. The book's discussion of international economic law will be very helpful to better understand the relationship between environmental protection and economic development from the perspective of the global South. Finally, the group of chapters on environmental justice will be beneficial to emphasize the human rights dimension of environmental protection.

The book is essential reading for scholars and students in both the global North and the global South because there is a gap in the available materials – a lack of literature on the North-South divide. The book has a huge demand among scholars in the global South, particularly BRIC Countries, the Indian sub-continent, other Asian countries, and Africa.

Relevant Green Capital themes

X	Energy	X	Health
X	Resources		Happiness
X	Nature		Cities
	Transport		
	Food		

Activity type			
	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement		Civic engagement
X	Faculty/service actions		Business facing activities
X	Academic conferences		Marketing and branding
	Cultural contribution		Campus sustainability
Project funding These events were funded in part by the Bristol Law School and in part by UWE's Green Capital Budget.			
Did this activity happen for the first time during 2015? Jona Razzaque has participated in the Socio Legal Studies Event and the IUCN Academy of Environmental Law Colloquium since 2009.			
Will this activity happen again beyond 2015? Yes. The Socio Legal Studies Association (Lancaster, April 2016), The IUCN Academy of Environmental Law Colloquium (Stockholm, June 2016), The Environmental Law Student Conference (March/April 2016).			

Visiting Speakers: Herbert Girardet on 'An urbanising world: triumph or tragedy'

Contact

Vicki Harris

Description

UWE Visiting Professor and co-founder of the World Future Council Herbert Girardet presented a special convened seminar chaired by Jim Longhurst on 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 is a prolific author, speaker and consultant. His 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. Following his presentation, staff and students engaged in debate and discussion about how we prevent environmental tragedy from inevitable urbane growth.

Who organised it?

Vicki Harris

Attendance and reach

25-30 students and staff attended this event.

Evidence (images, multimedia and artefacts)



Herbert Girardet at UWE, Bristol. October 2015.

Organiser reflections:

Vicki Harris described this talk as “really interesting” and felt that it these issues are of relevance to a wide audience at UWE.

Relevant Green Capital themes			
	Energy		Health
X	Resources		Happiness
	Nature	X	Cities
	Transport		
	Food		
Activity type			
X	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement		Civic engagement
X	Faculty/service actions		Business facing activities
	Academic conferences		Marketing and branding
	Cultural contribution		Campus sustainability
Project funding			
This event was funded by UWE's Green Capital budget.			
Did this activity happen for the first time during 2015? No specially convened seminar on sustainability activities have been organised for many years.			
Will this activity happen again beyond 2015? Academic presentations on sustainability-related themes by external speakers will continue.			

Visiting Speakers: Rolf Jucker on 'Do We Know What We Are Doing? Reflections on Learning, Knowledge, Economics, Community and Sustainability'

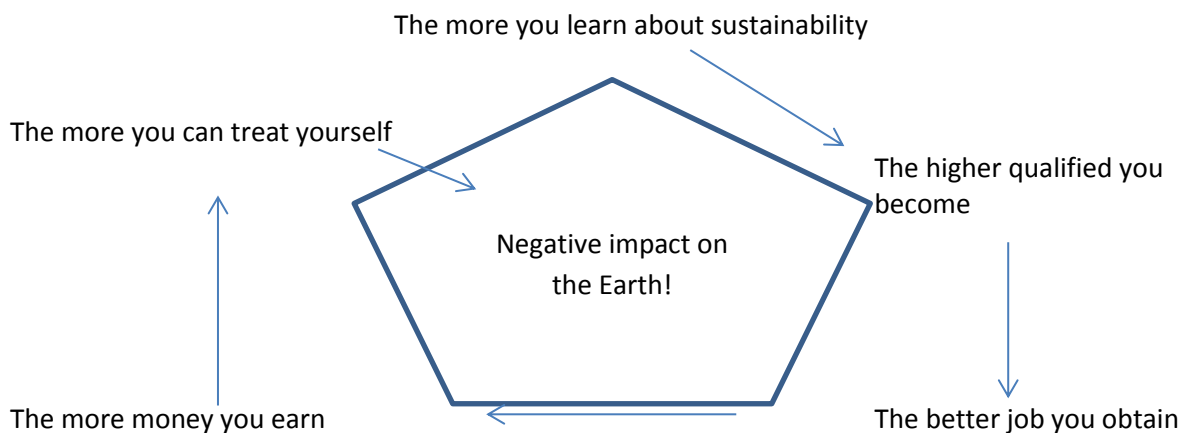
Contact

Vicki Harris

Description

UWE welcomed Rolf Jucker to 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.' The atmosphere was conversational and informal before Rolf addressed, staff from various faculties, PhD and Masters students with an interest in sustainability.

His book, he explained, aimed to look at the validity of what we think we know and what we are doing educationally. He believes that what we think as original thought rarely is. Rolf envisioned a cycle that sheds light on a paradox in sustainable learning that is loosely replicated below:



After identifying his critique on education and outlining his suggestion that education has a direct influence on a person's long term carbon output, Jucker asked the round table "What kind of education can lead to progress?", encouraging views from all attendees. The discussion was vibrant and stimulating, traversing a wide range of themes. It was a great opportunity for academics to reflect on the role of HE in the creation of a more sustainable world.

Attendance and reach

25-30 students and staff attended this event.

Evidence (images, multimedia and artefacts)



Rolf Jucker (with Jim Longhurst) at UWE, Bristol. October 2015.

Relevant Green Capital themes

	Energy		Health
X	Resources	X	Happiness
X	Nature	X	Cities
	Transport		
	Food		

Activity type

X	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement		Civic engagement
X	Faculty/service actions		Business facing activities
	Academic conferences		Marketing and branding
	Cultural contribution		Campus sustainability

Project funding

This event was funded by UWE's Green Capital budget.

Did this activity happen for the first time during 2015? No specially convened seminars on sustainability activities have been organised for many years.

Will this activity happen again beyond 2015?

Academic presentations on sustainability-related themes by external speakers will continue.

Visiting Speakers: The Bristol Distinguished Address Series

Contact

Nicholas O'Regan

Description:

The Bristol Distinguished Address Series has provided an exclusive opportunity to hear about the challenges, issues and decisions being made at the highest level of strategic leadership. The series is delivered by the Bristol Business School in partnership with ACCA, Bristol City Council, Bristol Junior Chamber, Bristol Post, Business West, CBI, CMI, FSB, IoD, ICAEW and the West of England LEP. With advanced public exposure to the sustainable issues raised in mind, the events were opened up to the whole of social media as they were encouraged to discuss the event on Twitter using the hashtag **#BristolLectures**. During 2015, the lectures were inspired by the Green Capital year and promoted via the Bristol 2015 website. The speakers were chosen to represent the Green Capital themes and a variety of industries. This year's programme included

- Peter Mather (Grp Regional Vice President, Europe and Head of Country) on 'the long term context for the energy industry and more specifically what this long-term view means for Europe and the UK's energy challenges.'
- Angela Knight (Chief Executive Officer, Energy UK) on 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. Entitled 'Is Energy Just Another Power Game?', 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.
- Rick Haythornthwaite (Chairman of Centrica) on how disruption is rapidly becoming the new normal. Rick 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?'
- Mike Clasper (CBE, Chairman of Coats Group plc and CMI President) delivered the annual Bolland Lecture as part of the series. Mike talked about why leaders need to think again about the performance of middle management and why middle management could be key to their productivity and long-term success. He looked at why so many people are 'accidental managers', why they struggle with the difficult conversations that every manager faces – and why employer attitudes to investing in much-needed skills have to change.
- 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 potential?'

Who organised it?

The Bristol Business School

Attendance and reach

Representatives of numerous local organisations attended the event, including Low Carbon South West and the Bristol Green Capital Partnership. A minimum of 150 people attend each event.

Evidence (images, multimedia and artefacts)



Members of Project Zulu perform at a Bristol Distinguished Address events.

More photos (by Michael Lloyd) can be found at...

<https://www.flickr.com/photos/bristoluwe/albums/72157650499416348>

Case study (organiser) :

Nicholas O'Reagan (Associate Dean - Research and Innovation, Faculty of Business and Law) believed that the Green Capital has helped to attract a wider range of audiences to these events because of their relevance to sustainability. Nicholas said "we were aware that Bristol was European Green Capital so we tailored our invitation of speakers to relate to these themes".

Impact and legacy

The knowledge exchange, reputation enhancement and networking which derive from this series will benefit individual attendees, their organisations and UWE beyond 2015.

Relevant Green Capital themes

X	Energy		Health
X	Resources		Happiness
	Nature		Cities
	Transport		
	Food		

Activity type

	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement		Civic engagement
X	Faculty/service actions	X	Business facing activities
X	Academic conferences		Marketing and branding
	Cultural contribution		Campus sustainability

Project funding

The Bristol Distinguished Address Series is funded by the Faculty of Business and Law.

Did this activity happen for the first time during 2015?

Yes in relation to the theming of the presentations.

Will this activity happen again beyond 2015? (if yes, please provide details)

Yes, the Series will run again in 2016 and beyond.

UWE Green Capital Seminar Series

Contact

Dr Georgina Gough (Senior Lecturer in Education for Sustainable Development)

Georgina.Gough@uwe.ac.uk

Jim Longhurst, AVC

Description:

What happened:

UWE's Green Capital Seminar Series enabled UWE staff to present their expertise and experience linked to the themes of Green Capital. The 20 presenters were drawn from across UWE's four faculties and from professional services, as well as from key external organisations. All the seminars consisted of short, high quality, sometimes provocative presentations followed by open question and answer sessions that sparked stimulating debates and innovative ideas on the topics under discussion.

Seminar one (20th October) addressed the themes of resources, food and cities. Tom Appleby (Senior Lecturer in Law) based his talk on marine pollution with use of a Johnson & Johnson cotton ear bud. Darren Reynolds (Professor of Health and Environment) outlined his ambition of finding 'technological solutions to water sanitation issues globally'. He explained one element of relevant activity on UWE's Frenchay campus, whereby water from the campus pond is used to explore techniques on how to transform dirty water into drinking water by the push of a button. This work could lead to the provision of clean water for 6000 people a year. Green Capital has helped them to share their research and to offer experience to students via internships. Jo Barnes (Research Fellow: Air Quality Management Resource Centre and Programme Leader: MSc Environmental Management) commenced her talk by explaining how Green Capital has to inform the future years. She explained how a series of 'modules' have been produced as part of The Bristol Method – a legacy activity of Bristol 2015 which offers Bristol case studies for creating sustainable cities. Jo, and many other UWE staff, contributed to the Bristol Method and the module she shared was "How to reduce traffic and its impact". Mat Jones (Associate Professor of Public Health) tackled the relationship between growing urban populations and food production rates. He believed "changing the ways cities do food is one of the biggest challenges of our time" and cities are where the problems are most threatening. Richard Spalding (Senior Lecturer for Environment and Technology) used a jar of soil (pertinent due to 2015 being the United Nations Year of Soil) to engage the audience in his presentation on the exceptional characteristics of the particular soil he had with him, sourced from Bristol's Blue Finger of Grade 1 agricultural land. He used a giant map to identify the areas of Bristol and South Gloucestershire that produced this kind of soil, and described his views on how they should be used for agriculture to feed the city in future years.

Seminar 2 (6th November) was boosted by the presence of many international college students. This week's topic centred on "Urban energy and transport", with presenters including Graham Parkhurst (Professor of Sustainable Mobility), Bill Gething (Professor of Architecture), Fabia Jeddere Fisher (Energy Engineer), Billy Clayton (Research Fellow) & Chris Donnelly (Travel and Access Manager). The seminar explored challenges for both UWE and Bristol in moving towards a low carbon future.

The focus of seminar 3 (17th November) was "Business, Communities and Engagement in Sustainability". Firstly, Ian Brooks (Senior Lecturer in Sustainable IT) spoke on the contribution of the Environmental iNet, who support environmental small-medium businesses in the South West of England, to the Green capital year. Alan Greer (Associate Professor in Politics and Public Policy) provided a critical view of the Green Capital year and its achievements. This opened a debate on how to preach to the "unconverted". Ian Holmes (Director of the Centre for Performing Arts) detailed the way in which the Centre's programme of events for 2015 was themed (for the first time) to reflect the aims and themes of Green Capital. Sam Thomson (Director of Civic and Cultural Engagement) ran the

group through the many activities which have been conceived and lead by the Bristol Parkhive project. Finally, Gem Heywood (SU Vice President Societies and Communication) highlighted the impact of Green Capital on the SU's endeavours. She indicated the development and progress made under this year and how the title has fortified this.

In the final seminar (8th December), invited speakers were asked to reflect on the Green Capital year and next steps for Bristol. Speakers included Martin Bigg (Chair of Bristol Green Capital Partnership 2012–13), Andrew Garrad (Chair of Bristol 2015), Gary Topp (Development Director of Bristol 2015), Robin Hambleton (Professor of City Leadership) and Alan Bailey (Chair of Low Carbon South West). After this seminar, Andrew Garrad stated “Engaging young people is vital to our goals. I’ve been very impressed by UWE’s wholehearted participation in the year.”

Who organised it?

Georgina Gough with support from Vicki Harris, Steve Brown, Tom Putterill and Annie Stevens. Each seminar was chaired by Jim Longhurst.

Attendance and reach

Attendance across the series was in excess of 200 UWE staff and students.

External organisation involvement

The series included presentations from Bristol 2015, Bristol Green Capital Partnership and Low Carbon South West.

Evidence (images, multimedia and artefacts)



Attendees walking the Blue Finger at the Food, Nature and Resources UWE Green Capital seminar.



Presenters of the Energy and transport UWE Green Capital seminar. From l to r: Billy Clayton, Bill Gething, Fabia Jeddere-Fisher, Graham Parkhurst and Chris Donnelly.

Films of all the presentations are available. Please contact Georgina.Gough@uwe.ac.uk for details.

Case study (organiser) :

Georgina Gough (Senior Lecturer in Education for Sustainable Development and UWE Green Capital Coordinator) organised the series. She felt that it provided a valuable opportunity to bring together staff and students from across UWE who all have an interest in similar sustainability-related topics. "This series and UWE's activities over the Green Capital year in general, raised awareness of the huge range and diversity of knowledge, commitment and passion which UWE staff and students have for making UWE, Bristol and the world more sustainable. We need to share this and support the work of such individuals more".

Jim Longhurst (AVC) noted the wide range of world class research on sustainability undertaken by UWE that was showcased in the seminar series.

Case study (participant) :

Richard Spalding (Senior Lecturer in the Faculty of Environment and Technology) said that week four was the 'best set of presentations I have seen at UWE, ever. The practicality of the presentations and the answers to questions were really admirable.'

Fabia Jeddere-Fisher (UWE Energy Engineer) also praised the series and feels that opportunities like these should be facilitated regularly. "It's important to open up our work to students and staff that may not take the work we do behind the scenes into consideration."

Avril Maddrell (Associate Professor in Human Geography and Associate Head of Department) offered this reflection on the series: "I really enjoyed the Green Capital seminars which brought together researchers, policy-makers and service providers - a great example of UWE's 'research with impact.'"

Alan Greer provided a critical perspective on staff engagement in the Green Capital noting the challenge of promoting sustainability engagement to already stretched colleagues. Alan said he had been “disappointed”, and ultimately forced to view the year through a “negative lens” from the perspective of staff engagement but “students were much more interested”. He emphasised that his thoughts were “not a criticism” but a reminder of the challenge of engaging busy staff with sustainability issues when there is a busy day-to-day agenda.” Sam Thomson believed the year has “galvanised a level of activity for those already interested in sustainability” and Alan agreed, explaining how he felt as though events have been for the converted, not the unconverted.

Impact and legacy

- Increased awareness from within UWE of the range of sustainability related work being done across the institution.
- An unintended consequence of the series was engagement by students from Kaplan, UWE’s international college who attended a number of the seminars. As a result, Kaplan staff who led a sustainability project activity have been connected with UWE staff and mutually beneficial discussions have taken place relating to aligning project activity at foundation level to enable comparability of student experience and thus help with the transition into FET programmes in Year 2.
- UWE reputation raising: The series served to promote UWE’s reputation for high quality, sustainability-related research and action.

Relevant Green Capital themes

X	Energy	X	Health
X	Resources	X	Happiness
X	Nature	X	Cities
X	Transport		
X	Food		

Activity type

X	Student impact and engagement	x	Research and knowledge exchange
X	Staff engagement	X	Civic engagement
x	Faculty/service actions	X	Business facing activities
	Academic conferences	X	Marketing and branding
	Cultural contribution	X	Campus sustainability

Project funding This series was funded from UWE’s Green Capital budget.

Did this activity happen for the first time during 2015?

Yes, in this format

Will this activity happen again beyond 2015?

Not in this format, however, UWE will continue to put on a range of events related to sustainability in its broader sense.

Innovation: UWE Formula Student Electric Race car

Contacts

Tom Ward and Ken Williamson, UWE Formula Student

Description:

This year, the team at UWE Formula Student made the decision to design an electric car in the Student Garage, making our team the first in the South West to do so. The plans stemmed from a realisation that 2015 offered a unique opportunity: "What better year could there be to launch our green race car?" Electric cars can have a negative stigma attached to them for being sterile, lacklustre, boring and unimpressive. With UWE's car, the team plan to eradicate all traces of this misconception, harnessing the impressive performance with tremendous acceleration that an electric powertrain can offer. Combined with lightweight materials and construction techniques to create a highly competitive car.

Their design objectives are clear: simple, light, combine. They are considered in all aspects of the car maintaining its essence throughout its journey from conception to reality. The UWE Formula Student Electric team is comprised of 20+ engineers from a number of different backgrounds. The team operates in sub teams, each concentrating on a different section of the car while preserving a collective vision of the vehicle.

There was a free networking and educational event ran by our student engineers (25th March) 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 team and find suitable packages for brand exposure and company collaboration.

This project showcases UWE student's innovative approach to sustainability and renewable energy sources. It sustainability with career & enterprise projects, a fundamental aspect of higher education. Our students are actively paving the way for a future with lower carbon emissions.

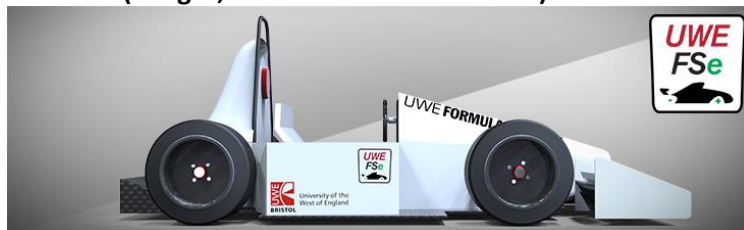
Attendance and reach

There are approximately 60 people in UWE Formula Student. Investors have been impressed with the project and the dissemination activities of the project will ensure wide reach of the vision and engineering behind the project.

External organisation involvement

The team are already working with the Environmental iNet and are developing a sustainably-minded local network of companies.

Evidence (images, multimedia and artefacts)



The design for the UWEFS-15e <http://www.uweracing.com/the-cars/uwefs-15e/>

You can test our race car simulator and see the work that's being done on the cars in the student garage at Frenchay.

Case study (organiser) :

Tom Ward (UWE Formula Student Team Principle) was grateful of the Green Capital title in many ways. Although the electric race car will not be their primary project for this year due to sponsorship complications, it is a project that the team of 60 have steadily in their sights. Tom stated that “electric race cars are the future... You go into any garage and they will be thinking about how to use electricity.” They always knew they wanted to build an electric car, but the Green Capital year definitely encouraged them to speed up the process in planning and designing. To reinforce their ambitions, the team will present their plans at Silverstone next year.

In terms of Green Capital influence, Tom firmly believes the added title has strengthened their capability of attracting sponsorship. It also kick-started their determination to take on an electric race car, which although has not come to fruition, still remains a key priority for the team. The launch event was hosted to entice potential sponsors, and the added Green Capital event, they believe, boosted the publicity. Tom Stated that their work is “driven by sponsorship”, so any efforts that can help this are of massive significance for the team. The team’s garage is always incorporating sustainability, from recycling materials to seeking alternative energy resources – they also offer the opportunity for outsiders to view the sustainability measures they take in the garage.

Impact and legacy

Its legacy will be the car, and the mind-set and appreciation from the team that has been moulded by the Green Capital year.

Relevant Green Capital themes

X	Energy		Health
X	Resources	X	Happiness
	Nature		Cities
X	Transport		
	Food		

Activity type

X	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement	X	Civic engagement
X	Faculty/service actions	X	Business facing activities
	Academic conferences		Marketing and branding
	Cultural contribution		Campus sustainability

Project funding UWE Formula Student is funded by UWE and external funders.

Did this activity happen for the first time during 2015? The idea was conceived in 2015, largely influenced by Green Capital.

Will this activity happen again beyond 2015? The car will continue to be built in the future.

Innovation: The Green Entrepreneur Business Challenge

Contact Katie Martin – UWE Enterprise
Description: On the 10 th of June, the two-and-a-half day Green Entrepreneur Business Challenge was run by UWE Enterprise which tasked members to apply business concepts to a real world environmental challenge. UWE Enterprise help to offer extra-curricular activities to increase the enterprise skill sets of students and in 2015 the organisers used Bristol’s status as European Green Capital to as a focus for the real life challenge set. With the help of Steve England (local conservation educator) , the team decided to focus on the urbanisation of city parks, especially Stoke Park, a space just a short walk from Frenchay Campus. Urbanisation included things like destruction from gangs, and the challenge was to come up with ideas to combat these issues, through punishment or support. Students explored the issues and devised a strategy in teams to combat the problems before offering a presentation to a panel of judges (including Sustainability Engagement Officer Vicki Harris). A £250 prize was awarded to the winning team. The programme included presentations from guest speakers, including key people involved in Bristol Green Capital and improving green spaces, as well as workshops on: <ul style="list-style-type: none">• Leadership and the Team• Creative Idea Generation• Business Model Canvas Tool• Marketing and the Power of Social Media• Pitching and Presenting• Wild Foods• Historic Parks Over 2.5 days , students had the opportunity to: <ul style="list-style-type: none">• Learn how effective teams are formed and trial different leadership styles• Participate in practical workshops on finance, effective presentations, creativity and influencing policy• Work on a real business challenge and pitch solutions to representatives from Bristol• Find out more about the history of Bristol’s local parks and forage for and make their own lunch using wild foods under the tutelage of Naturalist Steve England.
Who organised it? UWE Enterprise
Attendance and reach UWE Students, Enactus Members, UWE Volunteering, UWE Careers and UWE Sustainability Engagement Manager. 20 students took part.
External organisation involvement Steve England and Santander Universities supported the event.
Evidence (images, multimedia and artefacts) https://www.facebook.com/uwestudententerprise/photos_stream (N.B. This photo stream contains images from other UWE Enterprise activities too).
Case study (organiser) : Steve England (Chairman of the Stoke Park Steering Group) stated “it was a fantastic couple of days but all this is only possible because of the continued support from so many people such as Bristol Parks Department and The University of the West of England.” Bristol post article - http://steveengland.co.uk/

Katie Martin (UWE Enterprise) explained how the feedback suggested that students “went into this event wanting to improve their enterprise skill set, but they walked out with an open mind to nature and Bristol’s parks”. Some of the students (and Katie) had “never explored Stoke Park but they now know more about its history and features.” Katie said the students were “amazed by what they learnt and they loved the work they did with Steve England.”

Overall, Katie said that her work has been influenced by Green Capital; that “more opportunities have opened as a result of it. It has been constantly reiterated through the extensive advertisement and we have tailored our events around Green Capital themes.” She continues, “our main role is to support students who are seeking advice on enterprise but we still question them on the impact they have on the environment and the people involved in their business plan. We try to encourage an ethical approach to their business endeavours.” The themes and issues raised by Green Capital are “definitely important, and the students we interact with are realising this is more and more important thanks to a recent shift in the mind-set”, no doubt aided by Bristol Green Capital.

Case study (participant)

Two students shared their thoughts on the challenge. Gosia Smoszynska stated ‘The boot camp was a truly inspirational experience that changed the way I approach business ideas, as well as highlighted some key issues in the local community’

Whilst Abhishek Vaish said “This challenge provided me with a new vision towards our parks and the importance of maintaining them. It showed me how important it is to generate more support and to support a great cause. It made me use a commercial process to support a social one.”

Impact and legacy

Steve England, as a result of the boot camp was taking a combination of the proposed solutions to the ‘impact of urbanisation on city parks’ to propose interventions and strategies to deal with this key issue to councils and other key stakeholders.

Relevant Green Capital themes

	Energy	X	Health
X	Resources	X	Happiness
X	Nature	X	Cities
	Transport		
X	Food		

Activity type

X	Student impact and engagement		Research and knowledge exchange
X	Staff engagement		Civic engagement
X	Faculty/service actions	X	Business facing activities
	Academic conferences		Marketing and branding
	Cultural contribution		Campus sustainability

Project funding The project received funding from Santander Universities.

Did this activity happen for the first time during 2015? Our boot camps are reoccurring, but this was the first one dedicated to ‘green’ challenges

Will this activity happen again beyond 2015? Our boot camps will continue – where relevant they will engage with sustainability issues

Innovation: Pee Power Launch

Contact Professor Ioannis Ieropoulos			
Description A pioneering experiment using renewable energy sources is the result of a partnership between researchers at UWE Bristol and Oxfam. A 'pee-powered' toilet was installed on Frenchay campus on the 5 th of March that demonstrates how pee can be used to generate electricity. They intend to use the toilets in refugee and displacement camps and it is hoped the urine-tricity technology will lead to the lighting of cubicles which are often dark and dangerous places, particularly for women. Representing UWE outside of Bristol for the eyes of thousands, the toilet was trialed at Glastonbury music festival. Unlocked for festival-goers, it was hoped this would raise awareness both of the issues which this technology has been developed to address and of the potential for innovation in electricity generation. The toilet is located opposite Phaz café on Frenchay campus.			
Attendance and reach This project has received national and international media attention. For example: University installs prototype 'pee power' toilet			
Evidence (images, multimedia and artefacts) Pee Power Urinal at the University of the West of England: https://www.youtube.com/watch?v=A3dyegoKX_U&feature=youtu.be https://www.youtube.com/watch?v=6Fn74srVlhI			
Testimonials Jane Healy Glastonbury Festival Sanitation Manager claimed they were 'very lucky to have it here, very excited, Pee Power urinal, for me, I think it is the future.' 'Everyone is talking about it.'			
Impact and legacy The application of urine-tricity to lighting toilets in remote villages will benefit thousands of people, particularly women. The research behind the project is part of a wider UWE research agenda of innovation in the energy sector.			
Relevant Green Capital themes			
X	Energy	X	Health
X	Resources	X	Happiness
	Nature		Cities
	Transport		
	Food		
Activity type			
X	Student impact and engagement		Research and knowledge exchange
X	Staff engagement		Civic engagement
X	Faculty/service actions	X	Business facing activities
	Academic conferences		Marketing and branding
	Cultural contribution	X	Campus sustainability
Did this activity happen for the first time during 2015? No, the research project was underway well before 2015.			
Will this activity happen again beyond 2015? Yes			

Innovation: Ideas for Good: The Role of Social Enterprise in Building Sustainable Futures

<p>Contact Jamie Darwen</p>
<p>Description Social enterprises play a key role in the sustainability agenda, developing entrepreneurial solutions with communities in housing, waste, food and energy. This event (2nd June) focussed on the core value that social enterprises offer to the challenge of building sustainable futures – an asked how we can form the right partnership to further these aims.</p> <p>Featured in the agenda was an open space at The Engine Shed for participants to share their work, business or research with delegates. UWE’s contribution was through Dr Pam Seanor: Senior Lecturer, Strategy and Enterprise at the Faculty of Business and Law and PhD student Hazel Lee. A member of Bristol Leadership Centre, Pam’s research focus was on entrepreneurship & social entrepreneurship. Her recent work explored change with the city region and how sustainability is being enacted by the Bristol Green Capital 2015 project.</p> <p>2 minute promotional pitches were given at this event, including one by Callum Usher-Dodd on behalf of <u>UWE Enactus</u>.</p>
<p>Who organised it? GoodLab Southwest UWE, Bristol, University of Bristol, and Social Enterprise Works</p>
<p>Attendance and reach</p> <ul style="list-style-type: none"> • Social enterprises, individuals and any civic organisation or business working in sustainability • Academics, staff, researchers and students interested in using their academic value for public benefit
<p>External organisation involvement GoodLab Southwest Bristol Green Capital Partnership and Low Carbon South West Caroline Bird: University of Bristol Peter Thompson: Chair, Bristol Energy Cooperative Jackson Molding: Director, Ecomotive CIC</p>
<p>Evidence (images, multimedia and artefacts) http://goodlabsouthwest.net/news/goodlab-sw-sustainable-futures-video/</p>
<p>Case study (organiser) : Pam Seanor (Senior Lecturer of Strategy and Enterprise) praised the Green Capital’s influence on this event for “bringing together practitioners and social enterprises.” Pam was able to “meet practitioners who were not previously in contact” with her and it encouraged a “linking together of various strands of people and enterprise”. Despite the absence of Green Capital funding, (the event was funded from elsewhere) Pam believes some projects benefitted by having the platform of Green Capital to develop their ideas; “It gave people a focus”. Pam concluded by stating the green capital was great for Bristol’s business and sustainable achievements as the “world’s eyes were on the city.”</p>
<p>Impact and legacy The event enabled sharing of practice and creation of new connections across the city and between UWE and the city.</p>

Relevant Green Capital themes			
X	Energy	X	Health
X	Resources	X	Happiness
X	Nature	X	Cities
X	Transport		
X	Food		
Activity type			
X	Student impact and engagement		Research and knowledge exchange
X	Staff engagement		Civic engagement
X	Faculty/service actions	X	Business facing activities
	Academic conferences		Marketing and branding
	Cultural contribution		Campus sustainability
Project funding			
This project was funded by UWE and UnLtd.			
Did this activity happen for the first time during 2015? Yes			
Will this activity happen again beyond 2015? Yes			

Social Science in the City

Contact

Alan Greer

Description

Social Science in the City is a free public engagement event which represents the commitment of speakers and audiences to the generation of discussions about important questions relating to how we might live and work in today's society. The initiative is an opportunity for members of the public to listen and contribute to critical and informed debate in a congenial café atmosphere.

There have been many talks and discussions throughout the year which have focused on the themes of Bristol 2015. On the 22nd of January UWE Professor Paul Hoggett led a talk at the Bristol Watershed on 'the emotional and political dimensions of climate change denial.' The focus of the presentation was to ask whether there 'is some kind of perverse dimension to our culture which means we are only too ready to be deceived and reassured by the denialist lobby of fossil fuel industries and reactionary populism (Tea Party, UKIP) which tell us that the problem either doesn't exist or has been greatly exaggerated.'

"Who are we and what do we want from politics?" occurred at the Watershed on the 30th of April, 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 (UWE SSIC Convenor) who leads the 'Emotions in Public Life' stream of UWE's Social Science in the City.

On the 23rd of September 2015, UWE's Social Science in the City held a Knowledge Café in the heart of Bristol's Harbourside called Climate Change: Connecting Conversations. This event offered a unique opportunity for discovering thoughts, ideas and insights into this topic and to consider the ways in which there is collective pressure to 'silence' and censor thinking about climate change: both in the wider world but also perhaps in our own inner worlds.

This was a partly facilitated event but mostly it aims to provide an opportunity to hear ourselves think as citizens. It was led by Anne-Marie Cummins and Professor Paul Hoggett (Chair Climate Psychology Alliance and psychoanalytic psychotherapist in private practice).

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.

Who organised it?

UWE Social Science in the City.

Attendance and reach

These talks were ticketed but open to all members of the public.

External organisation involvement

Events were held at the Watershed and the Bristol 2015 Lab with extra attention gained from Bristol Green Capital promotion.

Evidence (images, multimedia and artefacts)

<http://www1.uwe.ac.uk/hls/research/socialscienceinthecity/videosandpodcasts/videos.aspx> Videos and podcasts available here.

Impact and legacy

Vicki Harris (UWE Sustainability Engagement Officer) believes these events are “something to be replicated in the future”. She feels that Green Capital helped in attracting “a wider audience” partly through the promotion of the event on the Bristol 2015 website and partly because of the venue of the specially allocated Bristol 2015 Lab space in central Bristol.

Relevant Green Capital themes

X	Energy		Health
X	Resources		Happiness
	Nature	X	Cities
	Transport		
	Food		

Activity type

	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement	X	Civic engagement
X	Faculty/service		Business facing activities
	Academic conferences		Marketing and branding
	Cultural contribution		Campus sustainability

Project funding

The event was supported in part by UWE’s Green Capital budget and by the Faculty of Health and Applied Sciences.

Did this activity happen for the first time during 2015?

Not as such, but the climate conversations event was a Green Capital initiative.

Will this activity happen again beyond 2015?

Social Science in the City will continue.

Sustainable Healthcare: A Green Solution?

Contact Emily Downs
Description: What happened: Glenside campus hosted “Summer School in a Day 'Sustainable Healthcare: The Green Approach’” run by The College of Medicine on the 14 th of November. The event focussed on improving the health of both patients and the planet simultaneously. This was a unique multidisciplinary student event for current, potential and recently graduated healthcare students. It was a fantastic day of fascinating talks, discussion and interactive workshops that 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 at informing and inspiring students in the theory behind and application of green principles in healthcare. Presentation by expert speakers included: <ul style="list-style-type: none">• ‘The Fall of the Disposable Curtain - how high quality healthcare doesn't have to cost the earth’ by Dr Trevor Thompson (Reader in Healthcare Education and National Teaching Fellow 2015).• ‘Organic Blooms – a model for preventative healthcare?’ by Joanna Wright (Director Natureworks Training CIC)• ‘Green Care: Principles, Practices & Evidence’ by Jon Fieldhouse, (Senior Lecturer for Occupational Therapy)• ‘Setting up a new centre for integrative medicine-the vision and the challenges’ by Dr Elizabeth Thompson (CEO, Lead Clinician and Honorary Senior Lecturer School of Social and Community Medicine Portland Centre for Integrative Medicine)• ‘Entrepreneurial thinking – Bringing an idea to life’ Charlotte Downs (Managing Director and Education Ambassador at Cinter) These talks were supplemented by interactive opportunities to gain skills in forming innovative ideas for sustainable practice into meaningful business cases that can be taken to commissioning bodies. A poster competition also took place which gave students a chance to earn recognition for their work and boost their job prospects.
Who organised it? Emily Downs
Attendance and reach The event was open to all health care students (under- and post-graduate) 15 students attended.
External organisation involvement The College of Medicine - a charitable organisation that promote innovation and new ways of thinking in healthcare – facilitated the event.
Evidence (images, multimedia and artefacts) There are images which haven’t been published yet but the organiser can be contacted if images are desired. A podcast of the event is in the making

Case study (organiser) :

Emily Downs (UWE graduate) organised the sustainable healthcare summer school event and stated that “It was so rewarding to see such enthusiasm for the environment and green principles from students bound to make our future healthcare professionals. One comment in the feedback from students said that the event had reminded them the reason they went into healthcare. The great ideas put forward in our Dragon’s Den competition just go to show that our health professionals of the future are not just healers but innovators and have the potential to change healthcare for the better.”

When asked about the impact of Green Capital on her role as an organiser, Emily said “It was the knowledge of Green Capital that made me keen to host this first College of Medicine satellite event in Bristol rather than allowing it to go to another city. I am very proud of Bristol’s Green endeavours and wanted to do anything I could to spread the word and share the success.” Also, “The Healthy City Week as part of Green Capital acted as a brilliant leading example of how healthcare can link to green and provided some excellent contacts and promotional support.” In relation to the potential of the event for bringing people together, Emily was delighted as “staff, students and speakers actively networked during the refreshment and lunch breaks and many commented how interesting and well-chosen the talks were.” Overall, Emily believes that Bristol as European Green Capital 2015 “is a fantastic initiative and an achievement Bristol can be proud of for many years to come”

Impact and legacy

Feedback forms were collected from students and feedback paragraphs from speakers. All seemed positive and suggested inspiration and boosting of motivation.

Relevant Green Capital themes

	Energy	X	Health
	Resources		Happiness
	Nature		Cities
	Transport		
	Food		

Activity type

X	Student impact and engagement	X	Research and knowledge exchange
	Staff engagement		Civic engagement
X	Faculty/service actions		Business facing activities
	Academic conferences		Marketing and branding
	Cultural contribution		Campus sustainability

Project funding

UWE provided the venue, catering and security for the event. The Bristol Green Partnership provided mugs for delegates and supported promotion on their website.

Did this activity happen for the first time during 2015?

The main summer school has happened previous but this was the very first satellite event, held in Bristol in 2015 because of European Green Capital status.

Will this activity happen again beyond 2015?

Yes, the next satellite event will be held in Birmingham in 2016 with a topic to be decided. To keep informed visit: www.collegeofmedicine.org.uk. Students are also entitled to free membership to the College for one year. See: <https://www.collegeofmedicine.org.uk/support-us/...>



do. change. give. perform. create

Bristol Parkhive

Contact

Sam Thomson – Sam.Thomson@uwe.ac.uk

Lisa Friedberg- Lisa.Friedberg@uwe.ac.uk

Description:

What happened:

Bristol Parkhive was a remarkable success and a beacon of achievement for the university's Green Capital efforts. It exceeded initial goals and enveloped a variety of the university's ambitions as well as Green Capital initiatives.

Members of UWE Bristol's Faculty of Arts, Creative Industries and Education congregated at the beginning of the year to brainstorm ways in which they could enhance the university's civic engagement. As Sam Thomson (Director of Civic and Cultural Engagement for the faculty) recalls, they strived towards 'improved outcomes for the city'. This emphasis on city-specific interaction was combined with an encompassing involvement from the entire university as they aspired to use student skills and intellect across a wide range of faculties.

As a result of Bristol being the European Green Capital, the members pinpointed a unique opportunity to make a contemporary change. They reunited previous links with Bristol Parks Forum to commence a project that would be beneficial for all involved. They deliberated on the ways in which our students and staff could help local communities to reach a positive outcome, whilst developing their own skills. The "State of UK Public Parks" report remarked that 'parks are in a big crisis' in the UK. Subsequently, the status as Green Capital with the capitulation of local parks proved the stimulus for the conception Bristol Parkhive.

This project set about gaining a deeper connection with local communities whilst providing students the experience of work internships and volunteering. The scheme offered an array of opportunities that supported our students from a wide area of academia. These related to any of the following:

- App related
- Art & Design
- Architecture
- Media
- Biology/Environment/Geography
- Social Sciences/History/English
- Health/Sports

Bristol Parkhive was a "Green Capital" collaboration between UWE and Bristol's network of volunteer parks groups, working to help raise the visibility and celebrate the value of Bristol's parks and green spaces. The project had four main components: the 'Parkhive' smartphone app, a crowd-sourced digital photographic archive, UWE student community-parks outreach projects, and media workshops for parks volunteers. Parkhive preached for public participation by downloading and using the free 'Parkhive' app and contributing photos taken in Bristol's parks and greenspaces to the public digital photo archive.

Parkhive was at the forefront of advertisement for the Festival of Nature and was a UWE showcase project. This was the event that the Bristol Parkhive app was launched with the purpose of advertising any park or open air green space near the user. You can view the selection through various images of the park, the name of the park or where it is on a map of your location. There is even a 'feature view' which identifies the various aspects or landmarks at that specific park e.g.

castles, food, football pitches etc. By encouraging users to submit their photos of parks, Parkhive have developed an extensive archive from hundreds of contributors, documenting a host of green spaces over the city. By advertising their collection at Green Capital events such as the Festival of Nature, citizens are presented with a catalogue of glamorous and beautiful photos of the parks in their community. Some onlookers were amazed at the previously unknown beautiful parks that are easily accessible to them.

The success of the project has led to requests for the project team to support similar initiatives at Southampton University and across South Gloucestershire, amongst other places.

Parkhive have been actively advertising their scheme as they attended The Tree Party Eco Festival at UWE and countless other events over the city.

During 2015, a number of spin off projects were launched as a result of Parkhive activity:

- 'Artride' was launched providing an opportunity for aspiring artists to showcase their talent via a board connected to a bike, which artists can cycle to green spaces all over the city. This both exhibits local talent and advertises a sustainable form of travel.
- The 'Pipeline Walk' aimed to celebrate the first source of clean water delivered to Redcliff from the 12th century. UWE Creative Industries Teaching and Learning Fellow, and Digital Media Specialist, will work with VPAG and other community organisations in South Bristol to create a showcase app combining this walking route with stories of the people and histories of the area through film, photography and sound.
- Project Ardagh involved a collective determination from UWE (Architecture and Planning, Environment and Technology, Sports Management and others) with the aim of transforming the neglected Ardagh sports facility site on Horfield Common into a multi-purpose community centre.
- There has also been a film on the function of parks in a city told through those directly involved with Bristol's green spaces.

During the end of November at Bower Ashton Campus, the Bristol Parkhive exhibition unveiled an exhibition of photographs celebrating Bristol's parks and green spaces. There were talks and presentations from the staff and students involved in the projects described above. The team have received more than 1200 images that have been archived, available for public perusal.

More information on the project can be found on the pages of the Parkhive website:

<http://www.bristolparkhive.com/about-us.html>

<http://www.bristolparkhive.com/our-programme.html>

<http://www.bristolparkhive.com/current-opportunities.html>

<http://www.bristolparkhive.com/digital-photo-archive.html>

<http://www.bristolparkhive.com/the-app.html>

<http://www.bristolparkhive.com/artride.html>

<http://www.bristolparkhive.com/petition-ff4parks-campaign.html>

Who organised it?

Sam Thomson

Additional staff:

David Smith

Graduate interns:

Lisa Friedberg

Marton Gosztanyi

Samantha Milton

Hugo de Brett

Attendance and reach

Approx. 800 for all events and activities. These included student volunteers; interested persons at our info booths at our UWE and Bristol University events; interested persons at our info booth and photo archive exhibition at the Festival of Nature in June; people who participated in our outreach activities-public workshops, schools and heritage events; people who downloaded our app; people who contributed to our digital photographic archive; people who attended our exhibition at Art on the Hill in October; people who attended our Bower Ashton F-Block exhibition in November

External organisation involvement

Bristol Natural History Consortium (Festival of Nature); Calvium; Bristol Parks Forum; Bristol City Council; Bristol 2015, Love Parks/Keep Britain Tidy; Historic England (Heritage Schools); Steve England; Royal Horticultural Society; Architecture Centre; Bristol Neighbourhood Partnerships; Avon Wildlife Trust; River Malago Schools; Horfield Common Primary School; Various parks 'Friends of' groups: Friends of the Downs and Avon Gorge, Victoria Park Action Group, Sneyd Park, Troopers Hill, Horfield Common, Lawrence Weston Community Farm, FrANC; the Big Park Draw

Evidence (images, multimedia and artefacts)

See social media accounts:

<https://twitter.com/bristolparkhive>

<https://twitter.com/uweartsandci>

<http://bristolparkhive.tumblr.com>

www.facebook.com/bristolparkhive

<http://www.bristolmedia.co.uk/news/2019/bristol-parkhive-is-seeking-photo-submissions-for-a-new-digital-photographic-archive>

<https://info.uwe.ac.uk/news/UWENews/news.aspx?id=3039>

Further images and audio and video resources are available. Please contact

Sam.Thomson@uwe.ac.uk or Georgina.Gough@uwe.ac.uk for details.

Our 'Parkhive' smartphone app- free to download from Apple App Store and Android Google Play; photos from our Digital Photographic Archive (located <http://bristolparkhive.tumblr.com>)--
Cannot use or display photos without permission; 'The Downs' smartphone app we built- available on the Apple App Store and Android Google Play

Case study (organiser) :

Sam Thomson indicated their efforts to ensure Parkhive is 'not just a one year project' but has the

capacity to expand and develop. This provides students with the 'opportunity for skills' development and 'brilliant outcomes' that are 'very visible in the city'. They would like to expand into other civic agendas, with the potential of helping homelessness and many more municipal concerns. Sam Thomson believes all students should have the chance for placements and by combining all faculties and uniting the university, the Parkhive model can provide these opportunities to support the healthy sustainable development of the city.

Whilst speaking at the Green Capital Seminar Series, Sam highlighted some influences for the project. She showed how in 2010 sixty eight parks in Bristol were proposed to be available for sale. 30 000 people protested – "the largest public response in Bristol ever." Sam said that most of these parks were smaller areas but integral to communities and Parkhive is a way of "making these parks visible".

Testimonials :

"Bristol has a huge number of wonderful green spaces but it has often seemed to want to keep them secret and not tell people about them. Working with Parkhive this year it has been refreshing to find a group of people who want get the message out that these spaces exist and also want to encourage more people to get involved with looking after them."

-Rob Acton-Campbell, Chair, Bristol Parks Forum

"It has been a pleasure to work with the enthusiastic and determined Parkhive team. Being part of a project that has engaged so many community groups is really rewarding and we are delighted by how well the app has been received."

-Jo Reid, Managing Director, Calvium

"Happy to say that working with Sam Thomson and the Parkhive Team has been great."

"The Parkhive App is a great resource that allows local citizens and visitors to the city to quickly and easily find out more about our parks as well as sharing what's great about our parks and green spaces."

-Rob Stephen, Environment and Leisure Project Manager, Bristol City Council

"Parkhive is such an exciting innovative project – and has huge potential. The team were enthusiastic and ambitious and came up with eye-catching ways to promote the launch of the Parkhive app at the Bristol Festival of Nature (such as on a bike trailer, photo boxes, and on the big screen). It was great to have them. I hope the project continues to grow, and can play a role in helping people in Bristol protect the green spaces that they enjoy!"

-Bethany Squire, Bristol Natural History Consortium, Festival of Nature

"The Love Parks Programme is striving to develop and support parks and green space communities across the country. A vital component of our work is providing guidance and reference for these groups, to showcase innovative, progressive activity by partner organisations. Parkhive is a great example of such an approach enabling us to also highlight the valuable role of the Bristol Parks Forum as an enabling body to facilitate and deliver sustainable support for both green space and their committed communities."

-Nigel Sharp, Network Coordinator of Love Parks, Keep Britain Tidy

"The two most successful collaborations we have had (this year) have undoubtedly been the restoration the Victorian Steps and the production of the [Parkhive supported 'Downs'] app."

"I see the collaboration we have had this year as something very special and a model we may want to replicate in the future."

-Roger Garrett, Friends of the Downs and Avon Gorge (FOD+AG)

“The Architecture Centre is pleased to have worked with Bristol Parkhive in the City Ideas Studio, and been able to share their work celebrating the city’s green spaces as a vital resource for all, and to help improve and protect them for everyone. Bristol Parkhive’s digital app is an excellent tool to enable people find out about local green spaces and to help them make the most of what’s there.”

-Jodie Marks, Exhibitions and Events Curator, The Architecture Centre

“We thank Bristol Parkhive for the support and focus, especially on our 22nd April event.”

“Loving our local park and being a part of it, enjoying a larger context and the confidence to continue activities at our public space has been given an uplift by Parkhive – an initiative that inspired and enabled our own efforts to recruit interest in our local group.”

“Being taken seriously helps a lot! The subject is amateur, in a good sense – and Bristol Parkhive kept a light touch with the collective authority that gave confidence to work with fun in the open!”

-Dave Holden, Mina Road Park Group

Impact and legacy

The App: The Parkhive App will remain a great resource to help enable residents and visitors to Bristol to get out, explore, and enjoy the City’s myriad parks and green spaces. We are proud to say that the Parkhive App received formal recognition from the European Commission-European Green Capital headquarters, and we believe it can serve as a model for other local authorities, both nationally and internationally, to follow in order to highlight and centralise information about their parks and green spaces.

The Digital Photographic Archive: Our publically crowd-sourced archive of nearly 800 photos provides evidence of the various uses of green spaces in the city, and demonstrates that the City’s green areas are not in fact under or little used by the public. It is our hope that this can help provide a bulwark against future threats of parkland disposal and imbalanced development.

Student engagement: To date, we’ve had 53 separate students get in direct contact, to which 31 of them have officially engaged with working with us on projects. It was very important to us that we try to create project opportunities for students across all courses— from the social sciences and humanities, to the creative arts and natural sciences—and we aimed to foster a model of interdisciplinary and collaborative working across academic departments. We believe that the students who worked with us gained valuable experience applying their academic content to real-world situations, learned new skills, and increased their confidence and professionalism by interacting with external partners.

Model for outreach: We believe this project demonstrates that the University can in fact serve as an anchor institution, and that it has showed the benefits of working more collaboratively with the city of Bristol and community groups.

The Fair Funding for Parks Campaign: Through this we hope to develop the conversation and galvanise a campaign around the issue of statutory funding for parks in the months and years to come.

Tips/advice for others wishing to embark on a project like this (or components thereof, e.g. tip for working with external organisations, or tips for starting on big complex projects, etc.):

Keys for successful outreach and project management:

1. A team, rather than solo effort, is best to undertake a complex project, with each member having clearly defined, separate roles and responsibilities.
2. To have a ‘project development’ point of view, in order to spot and create new opportunities.

The relevant members need to act as ‘creative producers’ or ‘intrapreneurs’, in order to generate new projects and relationships.

3. To have a ‘collaboration mindset’, with an eye and desire to work across faculties, departments and academic subject areas. One should think about what skills, knowledge, and strengths staff members and students of each faculty/course possess, and how they could best be utilised and built upon. This collaborative mindset also has a view that external organisations or groups can come together to share resources and skill sets.
4. Having clear objectives and tangible final outcomes for every project, thus being accountable for internal staff, students’ and external partners’ time and effort.
5. Setting and maintaining relatively short timescales, recognising that successfully working with external partners requires a fairly quick turnaround and response time in order to get projects off the ground. Higher Education timescales are generally too long and slow.
6. Monitoring and oversight of student placements and projects- first vetting students and then shepherding first contact with external partners to make sure it is a good fit for both. Checking in on project progress periodically, and keeping final outcome on track for completion.
7. Having a completely accessible, clear point of contact and centralised information source for internal staff/students and external organisations to engage with.

Parkhive was also used as a case study for the “Bristol Method” module entitled “How to protect and enhance green spaces in a city”

Relevant Green Capital themes

X	Energy	X	Health
	Resources	X	Happiness
X	Nature	X	Cities
X	Transport		
	Food		

Activity type

X	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement	X	Civic engagement
	Faculty/service actions	X	Business facing activities
X	Academic conferences	X	Marketing and branding
X	Cultural contribution	X	Campus sustainability

Project funding

HEIF (for Parkhive App); Staff time (Green Capital, HEFCE); £500 ACE Green Capital Dept. Funds; Careers (graduate internships); UWESU Change for Change Fund (for individual student project); Better Together Fund (individual project)

Did this activity happen for the first time during 2015? Yes

Will this activity happen again beyond 2015? Yes – In process

Student Action: Green Capital Student Capital

Contact

Billy Clayton, Georgina Gough, Jamie Darwen, Jenny Idle, Jim Longhurst & Laura-Kate Howells

Description:

The University of the West of England and The University of Bristol collaborated with Bristol Green Capital in order to fully capitalise on the potential for the power of their combined student populations to contribute to the ambitions of Bristol's Green Capital year. This collaboration was possible thanks to HEFCE Catalyst funding for the Green Capital Student Capital project. Students were encouraged to undertake voluntary activity in the city and were recognised for their efforts with "Green Capital Change Maker" award. To receive the award, students had to complete at least seven hours of activity with a focus on sustainable issues - environmental, social, economic, or cultural. If the student completed twenty hours or more of sustainable activity then they were eligible to be a "Gold Change Maker".

This student engagement project has also led to the development of Skills Bridge, an online web portal which aims to simplify the process of connecting organisations across Bristol with the universities to facilitate student-community engagement projects. Opportunities are available for businesses, social enterprises, schools and colleges, local authorities, charities and community groups to benefit from student time and skills. The portal provides examples of the work that students and communities undertake together; whilst making it more straightforward to reach the teams involved, either to start up new projects or join existing ones. Whether a team of volunteers is needed to help clear up a potential green spot, or a research report required to inform a fundraising strategy, this platform helps match organisations requirements to students skills.

The "Green Capital Student Capital" project simultaneously celebrated and promoted our students' efforts. And enabled students to be put at the heart of UWE's Green Capital year, encouraging and facilitating student engagement in a wide range of both curricular and extra-curricular placement and volunteering activities with a Green Capital focus. The objectives for "Green Capital Student Capital" are:

Element 1 – Increasing student engagement in business, community, and voluntary organisations

- 100,000 hours of student engagement in Green Capital activity
- Two cohorts of "Green Capital Change Makers" with participation certified by their HEI
 - Cohort 1: January – June 2015
 - Cohort 2: September – December 2015
- Five Green Capital projects brokered
- 200 students engaged in voluntary activity
- 60 organisations hosting a student voluntary project

Element 2 – Dissemination activities to examine the role of Higher Education in Green Capital initiatives

- A minimum of 150 delegates taking part in two international conferences/events
- Four academic papers generated and published in peer-reviewed journals by the end of 2016
- Six video case studies disseminated via the Sustainability Challenge Shop
- An online archive of Green Capital Student Capital material, benefitting universities, organisations, and student volunteers in other Green Capital cities
- Two evidence reports submitted to HEFCE and sector agencies, to demonstrate where the learning from Green Capital Student Capital can help shape future HE engagement in comparable activities

Element 3 – Evaluation of the experience of Student capital for both students and host

organisations

- Achieve a target of 80% of students involved in Student Capital perceiving themselves to have had a meaningful experience
- Achieve a target of 80% of the 60 organisations involved perceiving a meaningful contribution to Bristol Green Capital from the students placed with them and their universities

The first 'Change Makers' award ceremony saw sixteen students recognised for their efforts, with projects that included: increasing the breadth of recycling activities on university campuses, delivering lessons on sustainability in primary schools, campaigning to reduce consumption of plastic bags and single-use plastic items, creating a student long-term bicycle hire scheme, raising awareness of homelessness by getting groups of students to knit items for donations, writing business plans for local NGOs, volunteering for local organisations and campaigning for divestment from fossil fuels and running a BioBlitz on the University precinct.

The awards were presented by Dr Andrew Garrad (Chairman of the Bristol 2015 Board of Directors) who said "It is vital that young people are engaged in the greening of our society. In Bristol 2015 we have encouraged that through the primary schools education programme, the Green Youth Day and now through the active engagement of our two universities: 'Green Capital – Student Capital'. Today we are recognising some students who have done exceptional work of all different types – the Change Makers. Well done."

The second Change Maker award ceremony in February 2016 saw 6 students from across the two universities receive awards, again from Andrew Garrad. These six represented 7000 students who have been made eligible for the award thanks to their voluntary activity during 2015.

The Student Capital project was short-listed in the Student Engagement category of the 2015 Green Gown Awards, run by the Environmental Association of Universities and Colleges.

Who organised it?

This was a result of collaboration between UWE Bristol, The University of Bristol and Bristol Green Capital.

Attendance and reach

UWE students have gained important experience and life skills from their voluntary and placement activity. Organisations have benefitted from the time and skills of students in a variety of ways, examples of which are detailed above.

External organisation involvement

University of Bristol, University of Bristol Students' Union, Bristol 2015, HEFCE.

Evidence (images, multimedia and artefacts)



<http://info.uwe.ac.uk/news/uweneews/news.aspx?id=3117>

A Change Maker with Andrew Garrad (Chairman of the Bristol 2015 Board of Directors)



Tom Rowlands (UWE SU Sustainability Officer) contributing to 'Plastic Ain't My Bag'.



Daisy Bryant (Graphic Design Graduate from UWE) created an animation called 'Bristol on 2 Wheels'. Vimeo clip of Daisy's video <https://vimeo.com/125175861>



Members of the Green Capital Student Capital project team at the second Change Makers Awards, February 2016

Case study (organiser) :

Dr William (Billy) Clayton, (UWE Green Capital: Student Capital Project Manager) said, “UWE students have given more than 60000 hours of their time to improving our university and city. This is a huge achievement and students truly deserve their title as Green Capital Change Makers.”

Professor Jim Longhurst (UWE Assistant Vice Chancellor: Environment and Sustainability and project lead) said: “I am delighted that HEFCE has funded this exciting project and that it has recognised the benefits it will bring to students and the city. It will unleash student energy and creativity and allow them to become active participants in developing a more sustainable Bristol. It will enable students to gain valuable experience and skills that will be useful for their future careers.”

Case study (participant) :

Tom Rowlands (Former Sustainability Officer) led the ‘Plastic Ain’t my Bag’ campaign to reduce the amount of single-use plastic on campus. As a result of the campaign, Tom successfully lobbied the Students’ Union which resulted in a policy change to ban plastic bags and introduce more Fairtrade products in all Student Union shops. Tom commented “Meeting like-minded people and proving to myself I am capable of being useful when given the opportunity. Encouraging others from years below to share my passion or ambitions for change and good cause.” Laura-Kate Howell (UWE Green Team co-ordinator) commented, “Tom has made some really positive changes to the Students’ Union this year and proved the importance of the new Sustainability Officer role. This year the Green Leaders have helped to change the way students think about single-use plastics and recycling and we hope to build on this to make the university an even greener place for students”.

With support from the Students’ Union Green Leaders Project, **Daisy Bryant** put her Graphic Design degree into practice in the name of sustainability. Daisy put together a 5 minute film about cycling in Bristol called ‘Bristol on Two Wheels’, a beautifully hypnotic film promoting cycling and giving some top tips to encourage students and the wider community to give cycling a go for 2015. Daisy says that she learnt that Bristol “loves cycling, and that it’s green and very concerned with reducing carbon emissions”. She also commented about sustainability, “I learned that it is important in more than one aspect of society. We at the moment have a warped view of how to live life in a city and I believe that things like my film can show alternate ways of living”. Laura-Kate Howell (UWE Green Team Co-ordinator) commented that “Students at UWE have a wealth of skills and abundance of enthusiasm that can be shared with the city and organisations in Bristol. Daisy is just one example of hundreds of students who could help promote sustainability campaigns and bring about change for the city”.

Impact and legacy

UWE Project Leader Billy Clayton believes “Change Makers has been key outcome of Green Capital and hopes that the award will continue as it provides deserved recognition for the good will and hard work of students.”

For more on this, contact William2.Clayton@uwe.ac.uk

Relevant Green Capital themes

X	Energy	X	Health
X	Resources	X	Happiness
X	Nature	X	Cities
X	Transport		
X	Food		

Activity type

X	Student impact and engagement		Research and knowledge exchange
	Staff engagement		Civic engagement
X	Faculty/service actions		Business facing activities
	Academic conferences		Marketing and branding
X	Cultural contribution		Campus sustainability

Project funding

This project is funded by the HEFCE Catalyst Fund, match funded by UWE Bristol and the University of Bristol.

Did this activity happen for the first time during 2015? Yes, this project is conceived and executed as a Green Capital project.

Will this activity happen again beyond 2015? The collaboration between UWE and the University of Bristol will continue beyond 2015. Skills Bridge will constitute the key legacy of this work. The project will conclude in 2016 with an evidence report in June 2016 and a final report to HEFCE in December 2016.

Student Action: UWE Volunteering

Contact

Jamie.Darwen@uwe.ac.uk and Jenny.Idle@uwe.ac.uk

Description

UWE's volunteering team have developed and facilitated many volunteering opportunities which have enabled UWE students to contribute to the ambitions of Bristol European Green Capital 2015. There has been a focus on opportunities which enable students to engage with the city and the communities within it. By contributing their time and sharing their skills, students simultaneously enhance their own work experience whilst having an impact and real influence on the community/organisation which they have helped. Volunteering is a great way for students to gain skills and experience to add to their CV and gives them the chance to meet new people whilst supporting local communities. Examples of volunteering opportunities and projects are detailed here:

On the 30th May, UWE Volunteering engaged students in tidying the beach at **Sand Bay near Weston Super Mare** 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.

On Wednesday the 30th of September, UWE hosted a **Volunteers' Fair** at the ECC. The fair gave students the chance to speak to over 60 organisations offering a variety of volunteering opportunities, many of those being environmentally themed. The opportunities on offer ranged from long term projects with local community organisations, to international summer break volunteering. The fair provides organisations with an opportunity to enlist practical support from students and offers students the opportunity to share and gain skills and experience, whilst supporting environmental and social projects. Whether students wanted to know more about organisations on their doorstep or had ambitions to travel to new and exciting countries during their summer break, the UWE Volunteering Fair had something for all interests.

My Future My Choice was an opportunity for students to work with Bristol Loves Tides, - an education programme exploring water flows, tides and systems - over, under and around Bristol. All activities are led by specialist trainers and take place on a boat or other harbour locations. UWE volunteers supported activities by helping children explore the issues.

Green Spaces clean up – including at Splatts Abbey Wood

The team behind UWE Green Space aim to protect, maintain and improve valuable areas of woodland in the local area. Students volunteer on a fortnightly basis to tackle a particular area of woodland with the aim of restoring respectability and beauty. Splatts Abbey Wood and Sims Hill are in close proximity to Frenchay campus and those behind its preservation are always grateful for the support and efforts of students from UWE Bristol. The volunteers set about tidying, reshaping and organizing a pond area at Sims Hill. They transformed the area into a more socially viable and friendly destination. Many other gatherings have resulted with a similar success – making the woodland areas a safer, more attractive area for people to enjoy. The projects started last year and David Bell from Splatts Abbey Wood claimed he 'can't believe how successful it was' and that UWE volunteers have been 'amazing' in their efforts to preserve and improve local woodland areas. They offer students the opportunity to lead a project for the day to enhance their management skills for future employability, but also to encourage direct influence in helping their environment. The work is critical considering the development pressures that threaten the woodland areas. David continued, "The Splatts Abbey Wood Group is incredibly grateful to UWE Volunteering and the UWE

Student volunteers for their help and support. The UWE Volunteering team has put a great deal of effort into this project and the students have been enthusiastic and hardworking. They are a credit to themselves and to UWE. They are helping to get a lot of important work done.

The Green Ambassadors Project works in partnership with schools and community groups to help to teach children in Bristol about the importance of sustainability and how they have the ability to contribute to a greener city. The project began in 2013, using groups of student volunteers from the BSc Creative Product Design programme to plan and deliver a series of workshops based around topics of climate change, sustainability and energy to school children. Workshops are usually delivered in Spring term. The project has been a great success with the volunteers and the children attending the workshops alike. Students from the university are given support for developing engaging and inspiring teaching and workshops for the children. For example, volunteer Josephine Gyasi even found herself performing as a giant earth to really bring the topic of climate change to life for the children. She enjoyed the challenge of working in the community, and being pushed to think on her feet in order to respond to some thoughtful questions from the children.

As part of the project, all the children are encouraged to take what they have learnt and feed it back to the rest of the school, their family and friends. The project offers student volunteers the opportunity to improve their knowledge around the subject of sustainability while also learning more about research and practical application of teaching and presentation skills can be very rewarding for all involved. Schools get to access fantastic workshops for their pupils and students get to nurture a new skill which will also help them with the completion of their degree courses. Workshops are usually delivered in Spring term. We are keen to work in partnerships with schools and community groups, so if you think this or a project like this could be of interest to you, please get in touch with us.

<http://skillsbridge.ac.uk/2015/05/green-ambassadors/>

UWE Bristol's student consultancy scheme has been working in partnership with a wide range of community or voluntary groups, social enterprises and others in the Bristol area for the last 30 years. The projects are run by final year student teams on UWE's BSc programmes in Web Design, IT Management for Business and Computing. The projects are diverse, ranging from developing websites, to designing social media strategies, to enhancing databases and developing IT strategies.

The Enactus Student Society was set up to bring together students who are passionate about the transformative power of entrepreneurship. Their focus is on supporting local groups with ideas and innovations related to sustainability. They undertake a broad range of work in the community for example in 2015 they recently supported a local cycling enterprise to improve sales, boost profit and open a permanent shop.

Further opportunities have included:

1. Drop in sessions at the **Community Garden** have run once a month for staff and students and one Action Day on December 9th involving 6 students and 3 staff members. There are plans to recruit Project Leaders for the Community Garden next year to give the garden direction and increase engagement.
2. On the 7th of October, 10 students visited **Windmill Hill City Farm** to help turn the soil over and feed the animals.
3. On the 15th of October for **Milestones Trust**, 10 Students helped moved one of the service users' raised beds from one home to another to help him settle in.
4. 20 Students went down to **The Community Farm** on the 17th of October to help with hoeing and planting and learn about organic farming while they were there.

5. On the 7th of November for the '**Surfer's Against Sewage Avon River Clean**', 7 Students help to clean the river of rubbish to improve the environment. They ventured out in cold, wet and rainy conditions to make a big difference as part of a bigger event organised by the Surfer's Against Sewage organisation.

Who organised it?

The UWE Volunteering team have co-ordinated student engagement in many of these events.

Attendance and reach

Volunteering has been undertaken by UWE students, often co-ordinated by UWE volunteering staff or The Green Team. This activity has benefitted individuals, community groups and organisations across Bristol and beyond.

External organisation involvement

A small selection of external organisations who have worked with UWE Volunteering during 2015: One Tree Per Child, Splatts Abbey Wood Conservation Group, Sims Hill Community Woodland, Growing Support, Green Space, Windmill City Farm, National Trust - Tytnesfield, Azafady Madagascar, UWE Green Team, Bristol Energy Co-operative, BCR NP Streetscene Group, Marine Conservation Society.

Evidence (images, multimedia and artefacts)

Contact Jenny.Idle@uwe.ac.uk or Georgina.Gough@uwe.ac.uk or visit UWE Careers and Employability <http://www1.uwe.ac.uk/students/careersandemployability.aspx> or UWE Volunteering <http://www1.uwe.ac.uk/students/careersandemployability/volunteering.aspx> or Skills Bridge <http://skillsbridge.ac.uk/>

Case study (organiser) :

Paul Hulbert, Senior Lecturer in Computer Science and Creative Technologies, and consultancy project module supervisor, said, "The student teams do real projects for real organisations so they get a real flavour of working for a client. Clients discuss what they want and this may well end up being very different from what they need, so the students have to unpick the best way of doing things creatively and collaboratively. We have a big network of contacts because this module has been running for a number of years, and in fact most years we have more clients than student teams so the clients actually have to bid for the consultancy rather than the other way around."

Case study (participant) :

BSc Hons Environmental Sciences **student Thomas Haines** attended the Volunteer's Fair. The recently made Project Leader for Green Spaces wants to help 'save the planet' and he was enthusiastic to volunteer on behalf of one of the projects available to him. He explained how people keep mentioning future generations but he wants to start 'doing things now' to help the environment. He wants to 'act locally before acting globally'.

Natalie Selwood (Third year BSc Hons Environmental Resource Management student) volunteered for the Big Beach Clean and was also awarded the "Change Maker Award". Natalie was partially influenced to study in Bristol because of its "green" mind-set and UWE for their efforts towards the sustainability route. She believed her experience of volunteering helped her realise that Bristol is "moving in the right direction towards a greener city." She has always wanted to participate in a beach clean-up, with her connection to the sea from growing up in the Caribbean. "I really enjoyed it" but felt "like a drop in the ocean...a little bit helpless". Nevertheless Natalie still feels that they made a difference. Personally, she states, the event "opened my eyes to the stuff that's left behind. There

were toys, gun shells and cotton buds... Lots of cotton buds.” Cleaning helped to raise her awareness of the extent of damage and she was particularly shocked that it was happening on our own beaches – in a country where people are supposedly trying so much to help the environment. Her fellow beach-cleaners were also surprised at the amount of rubbish they retrieved, but the determination and ambition to do more; (which Natalie believes was a direct result of the clean) derives from the feeling that you have done something - “made a difference”. She also received a change maker award which was a “nice recognition” and a positive addition to her CV. Overall, Natalie feels proud of the positive impact she made, but she was fully aware of the fact that this was only a minor operation. She claimed “if everyone does a little bit, it can collectively be a lot”. In her evaluation of the event, Natalie believed it helped her realise “the things that we throw away without thinking, end up in our seas and on our beaches that kids then play on! Unless we reduce our consumption and throwaway culture, then our natural world will be destroyed. We are leaving behind a legacy that the next generation would not thank us for.”

UWE campuses have hosted many gatherings for local community charities to congregate and appeal to UWE students. Many projects already embrace our students who volunteer to aid whichever cause the project is concerned with. For example, **David Bell from Splatts Abbey Wood Conservation Group** said, "The Splatts Abbey Wood Group is incredibly grateful to UWE Volunteering and the UWE Student volunteers for their help and support. The UWE Volunteering team has put a great deal of effort into this project and the students have been enthusiastic and hardworking, and are a credit to themselves and to UWE. They are helping to get a lot of important work done. The Splatts group is also delighted to be able to offer Students the opportunity to volunteer and enhance their experience and skills."

This engagement can be seen at an international scale. Projects such as **Azafady Madagascar** that attended UWE Volunteer Fairs offer students the opportunity to undertake volunteering or internship roles in Madagascar where they can help the local population conserve their habitat. Volunteers can help build schools, grow plants and trees and they can observe the wildlife activity of animals including lemurs and geckos. The programme involves conservation research and environmental education for the natives. This indicates a global concern for the environment that UWE students are encouraged to participate in. They can extend the legacy of Bristol 2015 onto countries.

'The A team', a group of five students, worked with Thornbury in Bloom to help them reach out to the younger community in the town. **Guy Rawlinson (Chairman of the Thornbury in Bloom group and Mayor of Thornbury)** said he found out about the student consultancy projects following a social media course run by the Thornbury Volunteer Centre in the town. “We really wanted to engage a wider section of our community and to get young people involved in civic pride and making the town look beautiful which is at the heart of the 'In Bloom' national competition. We were very lucky to win a bid for the consultancy run by UWE Bristol as the scheme is well known now and has a reputation for delivering excellent work. The student team were fantastically professional in their approach and have helped us to develop a new website that is easy for us to use. The team also extended our social media presence growing our twitter following from a handful of followers to over 1,500. We are delighted with the work they have done for us.”

Christina Appleton (Final year Web Design student) was part of 'The A Team' student consultancy team and said, “Thornbury in Bloom set us a challenge to revamp their web site and grow their Facebook and Twitter following in a way that would appeal to younger people. We set up a WordPress site and redesigned the appearance to make more of their content. The A team also developed a map showing the route of the Thornbury in Bloom planting to help the judges find their way around. “We were quite flattered when they included a page relating to the project with our team and it was good to see how quickly the volunteers took to uploading text and images after a few

tips from us. We also learned all about creating a web site using a WordPress template which was ideal for the client, as when we are no longer there to offer support the group will not need to understand complex coding. “The placement was a fantastic opportunity for us to work to a brief for a real client. We all now have something tangible to show that will help us to demonstrate our abilities to potential employers.”

The Enactus Student society worked with the **business owner Dan Bradshaw** to develop a business model, conduct market research and find a suitable location for a permanent shop. “It gave me confidence to go for it, a chance to experiment and an opportunity to see what sells. It gave me the belief to move to Bristol. I now sell three times as many bikes. The increase in income has allowed me to enjoy myself more, and afford a holiday. To date, the business has made a healthy profit of over £10,000, cut the carbon impact of driving around in a van and given old bikes a new lease of life and good homes. Other projects led by this society include delivering workshops with young people to help them learn business skills and put them into action. Participants in the sessions commented: “I used to be very shy but after they (Enactus) came in that changed. They motivated me to go to university because they shared their experiences with me. I will now be going to UWE to study HR because I like working with people”.

Andressa Amaral (workshop participant) stated “The students couldn’t stop talking about this, it gave them all so much confidence and allowed us to apply for the International 4 Entrepreneur Live competition in London for the very first time”.

Anna Price (Course Leader) believed “projects like this give UWE students real opportunities to put the skills learnt from their courses into real-world situations. They are always on the lookout for new partnerships with those looking to implement a sustainable action in their community.”

Josephine Gyasi (Green Ambassador Volunteer) said, “Going in to the school and delivering the workshops was the most fun part and it was worth all the effort. Thinking on the spot when children ask questions is sometimes a bit tricky but it also helped me learn some new things for myself”.

1. Community Garden help day feedback:

- “It is a good amount of time to spend down there. The ideas of having a crop every month is great.”
- “Meaningful and unforgettable day”
- “The event was great, enjoyed the day and felt like a good school relief, passing out all the school stress. The gardeners helped us to enjoy the event, very friendly”
- “Good opportunity for office-based staff to get some fresh air

2. Windmill Hill City Farm help day feedback:

- Very fun, loved feeding the animals and getting to know about the city farm
- It was great fun. I really enjoyed meeting new people and having fun at the city
- I loved the goats and working in teams
- Lizzie Spencer - Lovely to have students here getting stuck in and nice for them to get into the community!

3. Milestones Trust work feedback:

- Enjoyed doing something I don’t usually do while being able to meet new friends 😊

4. Community Farm help day feedback:

- Good organised event. I have so much fun and meet new friends

- Great for taking a break off hectic studies. It's important to do something different
- Nice experience for people who live in city to feel how gardening feels like
- It's great! I have learnt something new and know the importance of teamwork
- It was great fun. I found it really refreshing to get into the country and help around the farm
- Ian Sumpter - It was a great day. Thanks UWE

5. Surfer's Against Sewage Avon River Clean feedback:

- The event is so meaningful, really see the difference after cleaning
- Was a great experience and I have learned to care for the environment more

Case Study – Action Days

Jun Yi Loo

Students Give a Little Time to Make a Big Difference!

Through the Students' Union at UWE, students get to experience one-off Action Days that allow them to make a small volunteering commitment but have a big difference in one day!

2015 has seen a broad range of Green Action Days, related to gardening, conservation, litter-picking and supporting social sustainability. Examples include students taking part in cleaning the Avon Gorge, as part of Surfer's Against Sewage, harvesting and planting at The Community Farm and gardening activities at Windmill Hill City Farm and Milestones Trust.

The days involve a group of around 10 students getting stuck into a big task and making a tangible difference. UWE students travel all over the city to make a big impact whilst finding out about the range of voluntary organisation across Bristol.

One student, Jun Yi Loo, who was new to Bristol as an international student from Malaysia, proclaimed: "After being in this city for 3 months, I found out that Bristol is a very beautiful green city."

She took part in gardening activities at Milestones Trust and The Community Farm Action Days and was so inspired that she went on to take part in the ongoing GreenSpace project, a student-led volunteering project doing conservation work in local woodlands! From the volunteering activity Jun developed a greater depth of understanding about sustainability, stating: "The environment has to be protected at all times to not only preserve the ecosystem, also to maintain and improve the quality of life."

Impact and legacy

See above

Relevant Green Capital themes

X	Energy	X	Health
X	Resources	X	Happiness
X	Nature	X	Cities
X	Transport		
X	Food		

Activity type

X	Student impact and engagement		Research and knowledge exchange
X	Staff engagement	X	Civic engagement
X	Faculty/service actions	X	Business facing activities
	Academic conferences		Marketing and branding
X	Cultural contribution	X	Campus sustainability

Project funding

These opportunities were coordinated by UWE Volunteering and the Placements and Internships team, partly with funding from UWE's Green Capital budget.

Did this activity happen for the first time during 2015? No, only Creative Club did although there were more Green Internships during 2015 thanks to UWE funding.

Will this activity happen again beyond 2015? Most projects and events will continue beyond 2015.

Student Action: Big Beach Clean

Contact

Jenny Idle

Description:

The description of this event can be seen in the Volunteering report. However, this template contains event specific information such as case studies.

Who organised it?

UWE Volunteering

Attendance and reach

25UWE students and staff travelled to the beach to help tidy it.

External organisation involvement

Marine Conservation Society

Evidence (images, multimedia and artefacts)



<http://info.uwe.ac.uk/news/uwenews/news.aspx?id=3100>

Case study (participant) :

Third year student Natalie Selwood (BSc Hons Environmental Resource Management) volunteered for the “Big Beach Clean” and was also awarded the “Change Maker Award”. Natalie was partially influenced to study in Bristol because of its “green” mind-set and UWE for their efforts towards the sustainability route. She believed her experience of volunteering helped her realise that Bristol is “moving in the right direction towards a greener city.”

She has always wanted to participate in a beach clean-up, with her connection to the sea from growing up in the Caribbean. “I really enjoyed it” but felt “like a drop in the ocean...a little bit helpless”. Nevertheless Natalie still feels that they made a difference.

Personally, she states, the event “opened my eyes to the stuff that’s left behind. There were toys, gun shells and cotton buds... Lots of cotton buds.” Cleaning helped to raise her awareness of the extent of damage and she was particularly shocked that it was happening on our own beaches – in a country where people are supposedly trying so much to help the environment. Her fellow beach-cleaners were also surprised at the amount of rubbish they retrieved, but the determination and ambition to do more; (which Natalie believes was a direct result of the clean) derives from the feeling that you have done something - “made a difference”. She also received a change maker award which was a “nice recognition” and a positive addition to her CV.

Overall, Natalie feels proud of the positive impact she made, but she was fully aware of the fact that this was only a minor operation. She claimed “if everyone does a little bit, it can collectively be a lot”.

In her evaluation of the event, Natalie believed it helped her realise “the things that we throw away without thinking, end up in our seas and on our beaches that kids then play on! Unless we reduce our consumption and throwaway culture, then our natural world will be destroyed. We are leaving behind a legacy that the next generation would not thank us for.”

Impact and legacy

This project has very tangible benefit to the state of the beach, with a large volume of waste being removed. The project also had impact on those participants such as Natalie, who aren’t normally exposed to these issues. Users of the beach are further beneficiaries.

Relevant Green Capital themes

	Energy		Health
	Resources	X	Happiness
X	Nature		Cities
	Transport		
	Food		

Activity type

X	Student impact and engagement		Research and knowledge exchange
X	Staff engagement	X	Civic engagement
	Faculty/service actions		Business facing activities
	Academic conferences		Marketing and branding
X	Cultural contribution		Campus sustainability

Project funding

This project is run on volunteer time and is coordinate by UWE Volunteering.

Did this activity happen for the first time during 2015? No

Will this activity happen again beyond 2015? Yes

Student Action: Green Internships

Contact

Hannah Newmarch Hannah.Newmarch@uwe.ac.uk

Description

UWE Bristol launched a new funding scheme during Big Green Week in June 2015 to help local businesses to recruit graduate interns. The new Green internship scheme hoped to enable businesses to develop green policies and practices. The scheme was one of the ideas created by the university to highlight commitment to Bristol Green Capital 2015.

The internships were offered to students who graduated in 2015 and took place during the summer for a four week period. Ten businesses each received £1,000 in order to pay a graduate to carry out a 'green' project, each with the option to match funding so that the internship duration has the potential to be doubled to eight weeks.

<http://info.uwe.ac.uk/news/uwenews/news.aspx?id=2860>

<i>Green intern host organisation</i>	<i>Intern position</i>
Daniel Black & Associates	Health/Sustainability Intern
Berwick Lodge	Green Officer
Change Agents	European Projects Support Officer
Friends of Horfield Common	Project Co-ordinator
Bristol Reconnect	Sustainability Officer
Bristol 2015 Ltd	Journalism Intern
Bristol 2015 Ltd	Marketing & Communications Intern
Bristol ParkWork	Environmental Management - Waste Services Intern
Co-Wheels Car Club	Environmental Marketing Intern
Love to Ride	Project Assistant
Bristol City Council	European and International Internship
Co-Wheels Car Club	Electric Vehicle Information Project Manager
Bristol ParkWork	Community Food Growing - Allotments
Meals.co.uk	Operation Lead
Co-LAB	Co-LAB - Independent Art Shop Intern
Wriggle (Gainly Ltd)	Sustainability Intern
St Werburghs Community Association	Event Co-ordinator for Picnic in the Park
FRANK WATER	Refillable Bristol Project Co-ordinator
Bristol Hotel	Green Project Intern - to achieve Green Tourism Accreditation
Bristol Green Capital Partnership CIC	Communication & Events Administration Intern
Babbasa Youth Empowerment Projects CIC	Marketing Officer
Wriggle (Gainly Ltd)	Sustainability Intern
The Community Farm	TCF/UWE Liaison Officer
Bristol 2015 Ltd	Journalism Intern
Low Carbon south west	Digital Content & Communications
Severn Net	Environmental Practice Intern
UWE-Centre for Research in Biosciences - Department of Biological, Biomedical and	Sustainable Off-Grid Small Scale Water Treatment Intern

Analytical Sciences	
Agilic	Sustainable Green Technology Project
Meals.co.uk	Operations Lead
UWE Faculty of Environment & Technology	Student Capital Press Officer
UWE Faculty of Environment & Technology	Capturing Stories & Evidence Intern
Who organised it? UWE Bristol	
Attendance and reach 35 local businesses and recent UWE graduates.	
External organisation involvement See list of host organisations above.	
Evidence (images, multimedia and artefacts) None available.	
<p>Case study (organiser)</p> <p>Hannah Newmarch (Head of Employer Partnership Services in UWE Bristol's Careers Service) helped to set up the scheme, she said, “As a university we do an enormous amount of work to highlight and support green and sustainable agendas so we thought that this would be a really good way of embedding values held up by UWE Bristol in a scheme that would enable businesses to achieve projects that they may not otherwise have had the chance to do. We are not putting any restrictions on the kind of project that a company might want to implement as we do not want to restrict creativity. The sole requirement is that graduate must be working in a role that in some way contributes to the sustainability of the business or the environment surrounding the business.</p> <p>Maggie Westgarth, Head of Careers at UWE Bristol, said, “We recognise that many small to medium size enterprises (SMEs) do not have resources to be as green as they would like to be. We are offering these opportunities to help local SMEs employ graduates to carry out work that will enhance their business through delivering projects that reflect their sustainability agenda. The only criteria we have are that the businesses will be Bristol based and that the projects offered to graduates will enhance the businesses' green credentials.</p> <p>“The scheme has been developed on the back of numerous other very successful internship schemes that we have devised over the years. UWE runs one of the largest funded internship programmes in the country and has subsidised over 800 regional businesses to offer over 1200 internships since February 2010. Many of the internships that the University has devised have resulted in graduates and students being offered permanent jobs in industries that are traditionally difficult to get into such as the Creative Industries. The rate of conversion from internship to job within the same company averages at 42% across all schemes, however this figure is much higher when we include those that get jobs elsewhere or are freelance</p> <p>“SME's value the chance to test out skills before committing and internships when managed properly benefit the intern and the business equally. The intern gets valuable work experience that often leads to a permanent graduate job and the company gets additional resource and the chance to establish how much a graduate might offer their business. Nearly 50% of undergraduate interns from 2013 retained part time work either with their internship employer or a different company.”</p> <p>http://info.uwe.ac.uk/news/uwenews/news.aspx?id=2860</p>	

Case study (participant) :

Kyle Sellick (UWE Law Graduate) undertook a Green Internship at Change Agents UK.

“My role at Change Agents UK Charity was that of the European Projects Support Officer. In brief, my primary role was to establish a movement towards creating a more sustainable future. This was achieved by facilitating a partnership between volunteers from our European partners, and 'green' orientated organisations within Bristol. Our intended purpose was to create a network where like-minded people could come together to work towards the common goal of creating a more sustainable future.

The core focus of this project was to support the green movement in light of Bristol becoming the European Green Capital 2015. Having achieved said title, now was the perfect opportunity to support the existing movement and achieve something truly great while the spotlight was on Bristol, leading by example to our European partners. By the end of this project, we had established a European network whereby numerous 'green' orientated people and organisations could work together, while promoting their work and achievements to both inspire and encourage others to join the cause. Through our efforts, we helped create a strong foundation upon which future organisations and volunteers could come together and achieve even greater results than had been made in 2015.

I took a lot away from this experience, but primarily I realised that sustainability is not just in the interests of 'green' orientated people, but it affects each and every one of us in a number of ways. Sustainability is not just about recycling and nature, but it about the way we lead our lives. By being sustainable you can help protect the wealth of our natural heritage and historical sites, preserving both natural beauty and helping to educate our community on the importance of responsibility and working together. I came to learn that sustainability affects everyone, including capital markets. The level of sustainability can affect everything from the price you pay for utilities, to the cost of land and property. More than anything, as a result of this experience I became alert the how out of balance the current system is, and the amount of work that is required to help set it right. The most valuable thing I took away from this experience was knowing that I helped create a legacy upon which future organisations, businesses and volunteers can act upon and help put society back on track.

As well as being personally enriching, my green internship had extremely positive implications in terms of my CV and therefore employment. This experience demonstrated my ability to both lead and work as part of a team, which is crucial when working as part of a business. The experienced enhanced both my communication and interpersonal skills, highlighting my capability to work with a variety of audiences and establish relationships with organisations and businesses within the community. These are but a few of the many things I took away from this experience and I would highly recommend that everyone either get involved in a green internship or at the very least seriously consider it as my experience has been extremely rewarding.”

Impact and legacy

Hannah Newmarch, UWE Careers: “A record number of Green Internships were supported in 2015. We supported 35 businesses to take on a green intern, some improving their sustainable practices, others developing green products, all spreading the message of the benefits of a green intern and playing a part in Bristol’s year as European Green Capital”.

Relevant Green Capital themes

X	Energy		Health
	Resources		Happiness
	Nature		Cities
	Transport		
	Food		

Activity type			
X	Student impact and engagement		Research and knowledge exchange
X	Staff engagement	x	Civic engagement
	Faculty/service actions	x	Business facing activities
	Academic conferences		Marketing and branding
X	Cultural contribution	x	Campus sustainability
Project funding			
The Green Internship scheme was supported with money from UWE's Green Capital Student Capital budget and from the UWE Careers service budget.			
Did this activity happen for the first time during 2015? The number of internships was increased for 2015.			
Will this activity happen again beyond 2015? The scheme will run again in 2016			

Student Action: The Green Team

Contact

Laura-Kate Howells, Green Team Co-ordinator, SU at UWE
Gem Heywood, VP Societies and Community, SU at UWE

Description

The UWE Students Union offer a student directed society called “The Green Team” which provides the opportunity to ‘identify, develop and support student lead sustainability projects. Being a member provides you with knowledge, training and resources to help you engage, motivate and support students and staff and encourage a sustainable university and lifestyle.’ Their passion and enthusiasm has been unremitting and their productivity will surely continue to flourish beyond 2015 into the future.

Co-ordinated by Laura-Kate Howells, The Green Team (previously Green Leaders) have organised, attended, supported and acted in an outstanding amount of quality events in the year. They have continually attended ‘Community Action Days’ and multiple Green Team meetings. SU representatives led and were present at the Tree Party Eco Festival, volunteering fair and the fresher’s fair (see specific documents). They have been highly popular at all these events, attracting over 400 signatures from the Freshers’ Fair alone.

Students that take part in activities on behalf of The Green Team can reap multiple rewards both intrinsically and extrinsically and can qualify a student for the **UWE Bristol Futures Award**.

Change for Change was introduced which offers up to £500 to support students to run their social/and/or environmental projects.

As an incentive to students of all interests to engage with sustainability, the “**Greener Futures**” certificate recognises Sports Clubs, Societies and Network’s commitment to a sustainable future. The Greener Futures certificate was awarded to Sports Clubs, Societies and Networks that took positive proactive steps in including their members to act think and be more sustainable. The group that displayed outstanding dedication and commitment to improving their sustainable habits were awarded a ‘Sustainability Shield’ and received a £100 ‘Your Street Gift Card’. There were 4 Commended groups who received a £50 ‘Your Street Gift Card’. The voucher received must benefit all members of the society.

Responsible Futures is an initiative of the NUS which provides an opportunity for universities to demonstrate their commitments and delivery in relation to education for sustainable development and receive an accreditation. It requires institutions to work with their students’ unions which strengthens the relationship between these two organisations and helps to ensure real action on education for sustainable development. The Student’s Union at UWE is working with staff at UWE to achieve Responsible Futures accreditation in 2016.

Frenchay campus is now home to its very own hive of bees, thanks to the persistence of the Students’ Union. Laura-Kate Howells reported that “we have around 60,000 happy and healthy European honey bees on campus” and she is optimistic that in 2016 it will be possible to harvest the honey and create a beautiful student enterprise.

In 2014/15 the Green Leaders began lobbying the university to develop a Green Wall on campus. They attended consultation sessions and were involved with choosing the plant species and designing the final design of the wall.

The first project of the year was 'Project Plastic' which aimed to lobby the union to reduce its reliance on single use plastics (with a particular focus on cups) and to raise awareness amongst students and staff of the detrimental impact of plastics. Also, a student designed some fabulous reusable tote bags.

Even from January, 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 Leaders for the UWE Students' Union, said, "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 2015 the SU launched their new campaign, Change for Change, where students can apply for funds to start projects, ideas or events to make positive environmental or social change."

'Go Green Week' was People and Planet's annual national week of climate action in schools, colleges and universities to raise awareness and demand stronger action to tackle the climate crisis. With Bristol winning the European Green Capital 2015 award the SU saw no better time to stand up and take action. The **"Go Green Week – Student planning session"** on the 29th of January was a chance to discuss ideas, plan actions and rally people together to make a change for 2015. Held in the Frenchay Community Hub, this was the initial flicker in the year's sparkling Green Capital contributions.

During Go Green Week, each day had a different focus; Meat-free Monday, Travel-light Tuesday, Waste-not Wednesday, Switch-Off Thursday and Friday-Action Day. Events during the week included: A special Farmers' Market which showcased some very special stalls with electric bikes, pushbikes for under £100, a sustainable travel info stall, and Oxfam, an 'Ecotricity' competition, and a showing of the film 11th Hour which explores the state of the global environment with visionary and practical solutions for restoring the planet's ecosystems.

On the 3rd of February, the UWE Students' Union (UWESU Green Leaders) and University of Bristol Students' Union (UBU Get Green) collaborated for a **"Green Capital launch party"** to celebrate student involvement in Bristol 2015 and the Bristol Green Capital Initiative. Against the backdrop of Banksy's "Mild, Mild West" at Hamilton House, there were also creative outlets, 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 members of the public to engage both with students and with Green Capital.

On the 20th of February the SU held the first Green Leaders meeting of 2015 for the 70 students who had signed up to the group. The meeting was an opportunity for students to put forward project proposals and "there were some cracking ideas being thrown about the place."

Bristol's two universities once more combined for a collaborative event on the 8th of October called "UWE SU and Bristol SU: Green Capital Showcase" which aimed to combine their efforts in an open showcasing presentation for those interested in the year's work. Held in a prime, central location, the organisers hoped to attract the public, students and any organizations willing to co-operate with the cities students. Those that attended could view the variety of events and projects that have been led or helped by either university.

On the 6th of October they held a Green team meeting and film night at the Phoenix Café. There have also been multiple 'Gardening and Growing Action Days' at the Frenchay community garden

(14th), The Community Farm (17th) and a Green Space Conservation Project (24th). Alongside all of this, there was The Green Team Project and Campaign Training Green Capital walk of fame and lunch.

The final Green Team meeting of the year was on the 8th December at The Phoenix Café. It was a chance to look back at what they have achieved this year and to explore all the exciting projects available for 2016.

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 changes they would like to see from their discipline in the future.

Students' Union Sustainability Officer, Leyth Hampshire, passed a motion at the Students Union Meeting (SUM) on 26th November. The Policy outlined how the Students' Union will strive to improve its environmental impact in all areas and operations - for example Say No to Plastic. The Students' Union also promised to lobby the University to push the implement sustainability into every curriculum.

Not only that, Chelsea McNulty (Community and Welfare part-time Officer) also passed a notion to have more vegan and vegetarian options available on campus. The policy hoped to ensure that there are more options and promote "meat-free" Mondays to raise awareness of the effects this has on the environment.

'Love the Future' were seeking submissions by December 15th to create Fairtrade Valentines video shorts. In January, they'll award four separate film makers a budget to make these 2 minute shorts a reality, with final submissions for January 31st. Register your interest and submit your outline on our website.

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.

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.

'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 on the 23rd November on Bower and Glenside

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.

Current projects include:

Vegetarian and Vegan project: A group of Students at UWE are keen to introduce more vegetarian and vegan options on campus and want to raise awareness of the positive environmental and health benefits a vegetarian diet can have.

Temwa Degree Tree: The Degree Tree is a campaign unique to UWE. It involves encouraging students to make a small donation which goes towards the cost to plant a tree. Temwa is a charity based in Bristol that works with isolated communities in Northern Malawi to help them help themselves out of extreme poverty and underdevelopment. The idea is that as students we use a lot of resources throughout our degree and it is important to off-set our personal Carbon Footprint. The project is in its developmental stage. The project is being led by Ruby2.Makepeace@live.uwe.ac.uk

Further SU at UWE volunteering projects:

- Energy Champion
- Evaluation and Impact Volunteers
- Garden Volunteer
- Rural housing workshops in Ghana
- Maintenance Volunteer
- Ranger Group Volunteer Coordinator (Groundwork South)

Who organised it?

UWE student representatives and the Green Team coordinated by Laura-Kate Howells.

Attendance and reach

The Green Team members with other S.U representatives and UWE staff – plus the local organisations benefitting from their work.

More than 600 students signed up to the Student’s Union at UWE’s Green Team during Freshers’ Fair which has led to the establishment of 8 student-led sustainability projects

Evidence (images, multimedia and artefacts)

Contact Laura-Kate Howells or Rachel Colley in the Students’ Union at UWE.

Case study (organiser)

Gem Heywood (Vice President for Societies and Communications at the Students Union) stated how the green Team intends to “empower students” and “break barriers. Speaking at the Green Capital Seminar Series, Gem believes Green Capital has been “a platform acting as leverage for what we are doing” and that “personally, it felt like it was something bigger to be a part of”. Identifying the benefits of “Project Green”, she said “a lot has progressed because of Green Capital. Her highlight of Green Capital was ‘encouraging societies to work on a collaborative project towards the green agenda’.

Laura Kate Howells (Green Team Co-ordinator)

The Green Team has delivered a number of highly successful projects, and instigated bans on certain unsustainable behaviours. Bristol winning the European green Capital Award has provided the Green Team with additional energy to make a difference not only on UWE campus but to take their passion into the community.

As a result of their efforts:

- water fountains have been introduced on campus;
- plastic bags are now banned from shops within the Students’ Union;

- plastic cups have been removed from the Union's bars
- bee hives have been introduced on campus to help pollinate local flora and fauna;
- A Community Garden has been introduced in partnership with Bristol's branch of Incredible Edible and UWE's Grounds Team.

Students have been encouraged to reuse and recycle through upcycling events and initiatives like the Flea Market and the 'Still Good' swap shop. The Green Team also arranged talks on sustainable fashion so students could hear from activists involved in the Labour Behind the Label campaign. One particularly popular project has been the introduction of a Green Wall. This project encouraged students from geography, journalism, marketing, psychology, accountancy, architecture and planning and environmental science to get actively involved with the planning, delivery and marketing of the project. This project was beneficial for the students as it allowed them to use skills learned in their course and apply them to a real life project. Laura –Kate's Green Capital highlight was 'having over 800 sign ups to the Green Team during Freshers' week and seeing students develop their skills and confidence by running a range of student led projects to encourage students and staff to be more sustainable.'

Other members of the Students' Union also provided their Green Capital highlights:

Jack Polson (Students' Union President): "Installing GumDrops at The Students' Union encouraging students' to recycle their chewing gum!"

Rachel Colley (Experience Enrichment Project Officer): My Green Capital Highlight was seeing the number of students who attended the first Green Team meeting of the 2015 academic year – the Students' Union was full of passionate students, brimming with ideas for projects, initiatives and enthusiastic to make change.

Adam Brittain (Vice President Sports and Health): Seeing so many keen sports clubs sign up to the Greener Future certificate in a bid to green up their clubs

Lauren Conen (Vice President Education): My Green Capital 2015 Highlight was attending the Green Capital Awards supporting UWE and seeing all the achievements that businesses, institutions and people have contributed to the sustainability movement over the last year.

**Case study (participant) :Green Team: Matthew Dewsbury
Students Say No to Plastic!**

The Green Team is co-ordinated by the Students' Union at UWE and is made up of a team of students who are passionate about sustainability both on and off campus. The activities of the Green Team cover a wide range of areas including food, transport, recycling, campaigning and much more and students are encouraged to come up with their own ideas and projects around sustainability. One ongoing project for the Green Team has been the #saynotoplastics campaign which has seen the Students' Union get rid of plastic bags way before the charging system was brought in and reduce the usage of plastic cups in bars.

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". Using a recycled wooden board from Bristol Wood Recycling Project and the Green Capital logo, students and staff were encouraged to stick a bottletop onto a Bristol Green Capital stencil in order to help complete the artwork and sign a pledge that they would #saynotoplastic. 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. People were also educated about the negative impacts of marine litter through the visual display.

Matthew said of his experience: “The most enjoyable about my experience was being able to network with a variety of students all studying different subjects. I found it enjoyable educating them about the negative impacts of marine litter and encouraging them to say no to plastic by offering a free reusable water bottle.”

Impact and legacy

Jenny Idle (Student Enrichment Project Officer) said “Green Team recruitment was heavily influenced by Green Capital so this will help to leave a legacy of action from a larger number of members of the Green Team. More activities have been possible”.

Vicki Harris (UWE Sustainability Officer) believed that the Green Capital has “helped lift the profile of sustainability with the Students’ Union”.

The impact of the actions of UWE students on sustainability is potentially very significant and this is the reason why students were at the heart of UWE’s Green Capital activity, particularly via the Green Capital Student Capital project (reported separately).

Relevant Green Capital themes

x	Energy	X	Health
X	Resources	X	Happiness
X	Nature	X	Cities
X	Transport		
X	Food		

Activity type

X	Student impact and engagement		Research and knowledge exchange
X	Staff engagement	X	Civic engagement
X	Faculty/service actions		Business facing activities
	Academic conferences	X	Marketing and branding
X	Cultural contribution	X	Campus sustainability

Project funding

UWE’s Green Capital budget supported the Change for Change initiative, campaigns and event whilst The Students’ Union funded their officers, groups and societies from their annual budget.

Did this activity happen for the first time during 2015? The Green Team were previously called Green Leaders and were running before the year. The events listed above were almost all designed to support the ambitions of Bristol Green Capital.

Will this activity happen again beyond 2015? Yes, sustainability is now embedded in the policies, structures and actions of the Students’ Union at UWE.

Sustainable UWE: Estates & Facilities

Contact

Fabia Jeddere-Fisher, Energy Manager, UWE Bristol

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Description *(please note that there is a separate report for UWE Transport within this portfolio)*

UWE's Sustainability Team and wider Estates and Facilities team have a long history of engagement with sustainable campus management. The institutional Sustainability Plan includes a wide range of targets which ensure the facilities on campus are as sustainable as possible. Action on meeting these targets has been accelerated in many areas and communication of such activity received significantly greater profiling throughout 2015

In November 2015, the UWE Grounds Team installed new seats for the community garden on Frenchay Campus. The seats were made from pallets and cable reels and "a perfect example of staff initiative combining cost-saving with environmental sustainability," said Paul Roberts (Waste and Resources Manager). The community garden brings together staff and students to create a shared, growing and relaxation space away from the bustle of the campus. The garden has planted beds where people can grow their own herbs and fruit bushes, as well as some seasonal crops. Once a month there is a session, supported by grounds staff, with staff and students undertaking various tasks ranging from basic weeding, preparing of beds and planting as well as furthering the overall design and structure of the garden.

As a part of UWE's continuing commitment to providing a healthy and safe environment for all staff, Frenchay campus became smokefree from January 2016. Smoking was already prohibited in all UWE buildings. This policy now prohibits smoking in the main external areas of Frenchay campus. The changes are being made following staff and student feedback. A map was produced showing the smokefree area and in January, blue signs were located on pedestrian footpaths that lead into the smokefree space. Similar signs were located in courtyards and open spaces within the smokefree space.

<https://intranet.uwe.ac.uk/whats-happening/news/Article/Frenchay-will-go-smokefree-from-January>

As part of their ongoing commitment to sustainable campus management, the UWE estates team has set targets relevant to each aspect of its operations. For example, in relation to **energy**, there are proposals to set each Faculty and Service its own carbon budget so that individuals can take responsibility for their areas of the University. The University hopes to be a Carbon Neutral campus by 2040, and the carbon budgeting will contribute to the achievement of that goals.

UWE is committed to meeting the resource demands of our growing university with sustainable and low carbon measures. To meet our ambitious carbon reduction targets, we have been working on low carbon design of new buildings, focused on reducing energy demand, as well as tackling our existing buildings with energy efficiency improvements and on-site renewables. Our key targets include:

- Reducing Scope 1 emissions (from the burning of fuels on site) and Scope 2 emissions (from the generation of purchased electricity) by a 22.5 per cent absolute reduction from 2005/6 – 2020/21 **and** a 50 per cent relative reduction from 2001/2 - 2020/21 (based on kg CO₂ per m² and average weather)
- For Scope 3 emissions (indirect emissions out of our control), to set a baseline in four areas: transport, water, waste and procurement of goods and services, and to define how a 10 per cent absolute reduction by 2020 can be achieved.

In addition, to support South Gloucestershire Council's renewable targets, the University has set a target of 10 per cent and 5 per cent of the University's electricity and gas consumption respectively, to be generated from on, or near, site low or zero carbon technologies by 2020.

In relation to water management, the University has set a breakthrough indicator of using Masterplanning to maximise the opportunity for sustainable urban drainage system management of water, including full adoption of rainwater harvesting, grey water systems and habitat creation. The key target related to water use at UWE is a 20 per cent relative reduction (from 2011/2 baseline) in supplied water use by end of 2019/2020.

What actions are UWE taking to ensure this?

- **Major upgrades** to student accommodation including: cavity wall insulation, roof insulation, installing double glazing, draught-proofing for the older blocks and boiler replacements.
- **At Bower Ashton Campus**, bringing the buildings up-to-date with modern design and sustainability installations including double-glazed windows, solar panels, roof insulation and wind capture ventilation
- **Energy efficiency projects** across all our buildings: upgrading to LED lighting; PIR (passive infrared sensor) occupancy lighting controls; Phase Change Material cooling in PC labs; variable speed drives on major air handling units, voltage reduction at Bower Ashton Campus and implementing PC shutdown software
- **Recording data** on the majority of the estate on a half-hourly basis, with in-depth reviews carried out every six months by the Energy Team with a view to identifying areas which need improvement.
- **Expanding the [Student Switch Off](#)** campaign and working with staff on energy initiatives.

As a way of engaging staff and students, the sustainability team offers guidance on what individuals can do to help, for example by reporting water usage issues, switching off lights and being conservative with their printing.

For **waste and recycling**, the 2020 strategy target is for UWE to be wholly integrated in a circular economy: that is we consider the life cycle of products and buy things that have a future economic purpose designed into them from the outset, so that we can recycle them for new usage at the end of their life. Overall, we recycle 61 per cent of our waste, an amount improving year on year. Materials that are sent for recycling are transported to factories around the UK and Europe. There they are made into new products such as wheelie bins and drinks cans. Food waste is used by a Wiltshire company to generate electricity and fertiliser. On waste which has not been recycled, UWE spends a third of a million pounds on disposing the 1,000 tonnes collected from our operations, i.e. the equivalent of filling four Olympic sized swimming pools with rubbish.

What is UWE doing to reduce waste to landfill and overall volume of waste?

- Increasing our recycling rates year on year with an 80 per cent target by 2020, and an overall 10 per cent reduction of waste by 2016.
- Kitchen waste recycling bins introduced in all cafes, staff offices and student accommodation.
- Working with the Students' Union to provide swap shops on all campuses.
- Running an annual "Big Give" campaign at the end of the academic year to collect unwanted items and food from students in halls and private accommodation. In 2014, 11 tonnes of unwanted goods were collected, this is the equivalent of 110 tonnes of greenhouse gas emissions avoided. Approximately £20,000 was raised for the [British Heart Foundation](#) from the sale of the items.

We are working to make re-using rather than re-ordering the norm so we have introduced our own corporate recycling network, WARPit. This is an online tool which enables members of staff to

advertise any unwanted or underused items for donation or loaning both within UWE and to external organisations such as charities and partner organisations. This avoids unnecessary purchases, saves money and reduces the amount of waste going to landfill and associated carbon emissions. Students and staff are encouraged to be bold, use metal water bottles, take part in recycling challenges and sign up to [WARPit](#).

In terms of **Biodiversity and Ecology**, the 2020 goal is for the University grounds to be managed as an integrated ecological system. Through sustainable gardening and landscape planning, UWE is working to make the most of its green spaces. It aims to support biodiversity and the natural environment, whilst at the same time providing space for staff and students to enjoy, to use for studying and to grow vegetables fruit and herbs.

We are working to sustain the ecosystem at UWE through:

- Increasing nectar rich planting such as lavender by 10 per cent annually
- Increasing bird boxes and feeding stations, and recording diversity of birdsong on campus to measure changes in population
- Increasing artificial habitat creation by 10 per cent annually
- Increasing wildflower meadows by 10 per cent annually, involving a five year trial of different grasses grown from seed on site
- Decreasing lawn mowing and increasing in-planting of wildlife friendly ornamental grasses instead

Students and staff can join the Wildlife walks, embrace the UWE vegetable garden or simply take advantage of the facilities available for appreciating wildlife such as the willow arbour.

In 2014 UWE developed a Biodiversity Management Plan with input from academics, local wildlife trusts, local councils, residential and business neighbors and local schools. This is guiding our approach to biodiversity management.

UWE works hard to promote socially responsible choices to staff and students. As a large institution, we can have a big impact when we introduce initiatives of this kind which is why we encourage people to think globally and act locally. This awareness of the need for fairer resource distribution, particularly in less developed countries, is why Fairtrade is important to UWE.

There are many good reasons to support the Fairtrade ethos:

- To promote cultural, social and environmental awareness amongst staff, students and visitors – a marketplace of over 32,000 customers.
- To encourage socially responsible choices through trade.
- To ensure UWE remains one of a continually growing number of UK universities that have been awarded Fairtrade status, thereby allowing UWE to positively distinguish itself.
- To recognise that UWE is a major business that can have a significant impact on the environment and on both the local and global communities.
- To develop and underline UWE's commitment to sustainable development, both locally and globally, in line with HEFCE's recommendations and goals.
- To build on UWE's links with the city of Bristol which has been designated a Fairtrade City and with the South West Fairtrade group.

Sustainable purchasing successes

- Stationery: At least 95% of the paper used by the University is recycled – in particular, all the A4 and A3 paper used is 100 per cent recycled and is Carbon Neutral to our door. Our internal Printing Services also use vegetable based inks
- Toner Cartridges: We are increasingly buying 'Longbow' remanufactured toner cartridges, which perform as well as branded cartridges, reduce UWE's environmental impact and cost much less

The Sustainability Plan 2020 breakthrough indicator is to have: customer trust in a transparent sustainable UWE supply chain. Our aim: by 2020 to have achieved a 30 per cent absolute reduction in the carbon footprint of the UWE supply chain (excluding construction).

UWE is proud to have been awarded certification to the international standard BS:EN ISO14001:2004 in July 2014. UWE is one of a relatively small number of UK universities to hold this certification which covers the educational as well as the operational activities of UWE. The aims of the standard are to build on, embed and ensure our continuous improvement in sustainability on campus in accordance with a rigorous framework. To achieve the certification UWE had to demonstrate that it took an institution-wide, systemic approach to identify:

- Those operations and activities which have significant impact our environment
- The relevant environmental legislation with which we need to comply, to improve our performance on a year by year basis

Putting ISO 14001 into practice

We are putting the standard into practice using the five step process as outlined in ISO 14001:

1. Building on our established environmental policy
2. Appropriate planning
3. Implementation and operation
4. Checking action
5. Management review

To ensure successful implementation we are undertaking regular internal audits. As well as checking our progress under ISO 14001, the audits provide us with a vehicle to promote both the overall aims of UWE's Sustainability Plan 2013 - 2020 and the ongoing work of the sustainability team to deliver the ambitions of the plan.

Sustainable UWE: UWE Transport

Contact

James Morvan

Description

Transport was a key theme for Bristol Green Capital and UWE's Transport Team were actively engaged in the year and delivered many projects aimed at reducing single occupancy car journeys to UWE and increasing the use of sustainable modes of transport.

Firstly, cycling provision at UWE Bristol was expanded as it aimed to become one of the most bike-friendly universities in the UK. Dr. Bike has offered free, weekly bike check-ups in term time at his repair workshop across campuses. When at Frenchay, his van has been situated by reception near the P and Q block cycle stands. His expertise has helped to restore bikes to a fully functioning state, enabling and encouraging cycling to UWE. Multi-campus Bike Workshops have also offered bike repair basics sessions – 1 hour hands on group sessions with a mechanic running through the basics of brakes and gear adjustment and maintenance.

The Frenchay Travel Roadshow and the Bike User Group were both features of UWE's transport activity during 2015. The Travel Roadshow launched the 'European Cycle Challenge' - an urban cycling team competition, taking place from 1 to 31 May. On the day, the TravelWest roadshow team were on hand to give travel advice, maps, bus and train timetables and freebies including water bottles and high-vis gear. The Bike User Group provides a forum for the sharing of travel plans and the opportunity to receive feedback on what students wanted to see to support cycling for the coming year. Sustrans support cycling initiatives at UWE too. A Bike Train ran from the arches on the Gloucester Road to UWE to help people to become familiar with routes to Frenchay campus, taking in quiet roads, the Concorde Green Way and avoiding the major hills.

As a special event in 2015, mountain bike legend, Steve Peat, and friends created a marketplace for people to buy and sell new and used bikes, bike parts and other cycling paraphernalia (Peaty Bikes Bonanza). The marketplace allowed attendees to view items of interest and purchase them at discounted prices or direct from bike manufacturers.

UWE have made available Electric Cars for use throughout the year. There are 4 pool cars, two of which are hybrid, two electric and three are available as part of the car club. There have also been 6 electric bikes placed in docking stations at UWE properties to be open for use. These were introduced in the Green Capital year. To boost knowledge and awareness of this, UWE offered electric car and Bikes Taster Days to encourage people to use the more sustainable vehicles available to them.

Cycle To Work Day was on the 3rd of September, where everyone who cycled to work on this day were entitled to a free breakfast, free security marking, Dr Bike basic check-ups and an opportunity to test drive an electric bike. This was a national event, which aimed to encourage everyone to take to two wheels and cycle to work for at least one day. An additional Big Bicycle Breakfast initiative was part of UWE's green travel activities during 2015 which aims to improve health, make roads safer and boost the local economy.

Further developments included the installation of cycle stands by the new SU building at Frenchay, a new cycle hub outside P/Q block, the establishment of a cycle travel office on Frenchay campus, and the creation of a cycle lease scheme established for students only (75 bikes available).

The hire bikes have been hand-assembled by *Jake's Bikes*, an independent business based in Bristol city centre. With robust frames and high-quality components, the bikes come in two designs named after well-known city streets. Participating students will receive a lock, lights and cycle training. Loaned bikes will be maintained free of charge, with an on-call mechanic on hand to visit a student's home or site of a breakdown to carry out an emergency repair. Some 120 students have already registered an interest in joining the scheme.

The new timber and glass cycle station by P and Q blocks brought an extra 120 bike storage spaces with 70 lockers to Frenchay. With a total of 800 spaces, the campus now boasts one of the highest concentrations of cycle storage spaces of any organisation in the Bristol area. The facility has been funded with support from the Local Sustainable Transport Fund.

The investment at UWE comes as the cycling revolution continues in Bristol, which has seen a significant increase in numbers of cyclists since being named the country's first Cycling City in 2008.

UWE has set an ambitious cycling aspiration for 2020, when it wants 20 per cent of all journeys to and from the university to be made by bike in line with a commitment by Bristol's mayor George Ferguson.

<http://info.uwe.ac.uk/news/uweneews/news.aspx?id=3194>

Buses

Funded by Green Capital, UWE will soon be installing a bus induction charging plate. Wessex Red will release 2 new hybrid buses for the 72 route. These buses will be able to charge their batteries on the plate to be installed on campus. This is very rare, the first project to be constructed and run outside of London. The buses will use geo-fenced technology which identifies the air quality of the area the bus is driving through. If the bus is in an area where air pollution is high, then it switches to electric driving to reduce emissions. The announcement about this inter-agency project was made late in 2015. UWE academics in the Air Quality Management Resource Centre were involved in the evaluation of the project and mechanical engineering academics helped develop the plate itself. The project was led by Graham Parkhurst and is expected to service the buses for 10 years.

Media release

Best in the West: Investment in green travel earns UWE regional prize

A commitment to promoting green forms of travel has helped the University of the West of England land a regional award.

New measures introduced to encourage students and staff to change their commuting habits impressed a panel of judges at the Travelwest Business Travel Awards 2015, where UWE was named Employer of the Year.

The Employer of the Year title is bestowed upon companies or organisations which make an outstanding contribution to sustainable travel. Other shortlisted nominees were Ecosurety, Knowle West Media Centre, Wessex Garages and WSP Parsons Brinckerhoff.

James Morvan, Travel Engagement Project Officer at UWE, said: "It's fantastic to be recognised for the work we are doing in helping our staff and students travel in a greener and healthier way. This is

the second time in five years we have won Employer of the Year at the awards and we have big ambitions to make it even easier to walk, cycle or use the bus.”

The university was also nominated in the Most Improved Workplace category at the annual awards, held at the Grand Pier in Weston-super-Mare. Submissions for the awards were received from organisations and individuals across the West of England region: Bristol, Bath & North East Somerset, South Gloucestershire and North Somerset.

UWE's investment in cycling provision – made possible with financial support from the Local Sustainable Transport Fund - comes as it aims to become one of the most bike-friendly universities in the UK. It has set an ambitious cycling aspiration for 2020, when it wants 20 per cent of all journeys to and from the university to be made by bike.

<http://info.uwe.ac.uk/news/UWENews/news.aspx?id=3235>

Improvements to bus services and changes to parking arrangements have already seen roads surrounding the campus freed of 700 cars a day at peak times - the equivalent of five miles of queuing traffic.

Research and academic activity on transport

An additional element of UWE's support for sustainable transport is its research activity. One piece of work undertaken during 2015 was research into people's experiences on their commute to UWE. Researchers spoke 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 fed into the UWE staff travel strategy.

Work of the Centre for Transport and Society included the publication and launch of a book by Steve Melia at an event chaired by Professor Graham Parkhurst.

Who organised it?

James Morvan and the UWE Transport Team with support from the Centre for Transport and Society.

Attendance and reach

Staff and students from across UWE have attended these events and taken part in the specific initiatives described above. All staff and students, and the wider Bristol community will benefit from the reduction in car use which lies at the heart of these initiatives.

External organisation involvement

UWE's transport team work with the following organisations, among other: Dr Bike, Sustrans, TravelWest, South Gloucestershire Council, Bristol City Council, Wessex Star and First Bus.

Evidence (images, multimedia and artefacts)



New P/Q block bike shelter under construction, October 2015.

The bike shed and transport info hub by the bus station.

Case study (organiser) :

James Morvan, Travel Engagement Project Officer, recognised an “extra buzz” around the university’s engagement with sustainability this year because of the Green Capital title. He explained how it has helped “keep motivation levels up and it keeps me driven”. Having worked in sustainability for years, James stated that the year “makes you proud of the city.”

James highlighted the Green Capital’s influence in enhancing the completion and delivery of projects and schemes. He said it has enabled a smoother process in terms of delivering projects as “it helps the business case” because management are more enthusiastic to approve sustainable projects in the Green Capital year. The approval of plans has been complemented by the Green Capital addition.

James praised the university for having “amazing awareness” of Green Capital, from staff, students to senior management. James stated “people are always asking about Green Capital. It’s a real conversation starter.” He said “anything that shines light on sustainability is welcome”.

James believes the updated access to new transport has helped “facilitate better behaviour” in the university’s staff and students as well as the members of public who take advantage of the offerings.

Media release

<http://info.uwe.ac.uk/news/uwenews/news.aspx?id=3194> - **UWE's Travel Officer James Morvan** hoped the improvements will help cycling become seen as 'cool' and spur more students on to consider giving two wheels a go.

He said, “The aim is to get people cycling who wouldn't otherwise have access to a bike. We expect it to be particularly popular with international students.

“Also, we are starting to get a critical mass of cyclists. When students start seeing their friends on bikes, it becomes a normal, cool thing to do.

“With these facilities, our aim is to make cycling an aspirational activity. Having top cycling facilities encourages people to take up cycling, and having extra secure parking gives people peace of mind as well.”

For the hire scheme, UWE has teamed up with entrepreneur Jake Voelcker, who runs Jake's Bikes, based in the Bearpit at the foot of Stokes Croft. The UWE order is the largest the company has ever received.

James said, “We decided to go with a local bike manufacturer as we are keen to support a local business. Jake also impressed us as he has a wealth of knowledge developed as a bike mechanic of 10 years standing and he has designed the two bicycles with Bristol's hilly terrain in mind.”

Jake said, “We are really pleased to be selected as supplier for the UWE student bike loan scheme and fully behind this excellent idea to encourage students to travel to university by bike. It's great to see the commitment from UWE to run a scheme of this kind and the evident importance that they place on sustainable transport options.

“We have been running the business now for eight years but manufacturing for just two years and this contract has given us a real kick start. Our bikes are solid and designed around practicality and perfectly suited to commuting on Bristol roads. We believe that we have established a niche market for those wanting a reliable bike at a good price.”

UWE Student Union President Jack Polson said, “The scheme is great as it is cost effective, cheaper than the bus and promoting sustainable transport in Green Capital year. I am tempted to give it a try and I imagine that it will prove to be very popular with students.”

<http://info.uwe.ac.uk/news/uwenews/news.aspx?id=3194>

Case study (participant) :

Third year UWE student Karl Keating (BA Hons History) signed up for the ‘bike loan scheme’ in an effort to participate with Bristol Green Capital. He previously car-shared or took the bus to university, but having recently moved closer, he wished to transfer from four wheels to two. He described the scheme as ‘affordable, accessible and a great way to get fit.’ He uses his bike every day and he feels much healthier as a result, not just from the exercise but by the opportunity to ride along the cycle-paths, enjoying the wildlife and escaping the car fumes.

Tsara Smith (Internal Communications Manager)

My personal highlight of UWE Green Capital was getting on a bicycle for the first time in many years. I was given a pre-loved bike by a friend and used the free Dr Bike service at UWE to get it checked out and to get some advice - now I'm cycling along my local canal with my dog on a regular basis!

Impact and legacy

The university's investment of £450,000 in the past year has persuaded more people to make journeys to its campuses by bike or bus rather than by car.

During 2015, two new cycle hubs with a combined capacity to securely store 225 bikes have been created at Frenchay campus and a cycle loan scheme has been launched offering students the chance to hire a high-quality bike for just £50 a year.

UWE's green travel credentials have been improved further by the introduction of electric bikes and

electric cars for staff trips between campuses, along with electric vehicle charging points.

One of the most eye-catching recent additions has been a Travel Info Hub – a 40ft recycled shipping container – where bikes can be hired and students can visit for public transport advice.

UWE has seen a 22 per cent rise in bus travel to campus (approximately 2,000 daily trips during term time) and 27 per cent reduction in single occupancy car use (a drop of nearly 700 cars at peak times) since 2012.

- 1) Launch of the cycle loan scheme in October (60 students now have brand new Bristol made bikes for the year)
- 2) The opening of the new Cycle Station – a timber and glass structure to hold 110 bikes and a covered space for our Dr Bike sessions
- 3) The installation of our first 10 electric vehicle charging points – free to use for staff and students
- 4) The installation of an innovative super-fast electric induction charging plate for a new electric-hybrid bus that connects the city and Frenchay Campus (funded by Green Capital, to start operating this month!)

Staff cycling rate jumped from 15% in 2013 to 18% in 2015

Cycle club formed this year with 30 active members

The Bike User Group at UWE has nearly doubled in size over 2015

Relevant Green Capital themes

X	Energy	X	Health
	Resources	X	Happiness
X	Nature	X	Cities
X	Transport		
	Food		

Activity type

X	Student impact and engagement		Research and knowledge exchange
X	Staff engagement		Civic engagement
X	Faculty/service actions	X	Business facing activities
	Academic conferences		Marketing and branding
	Cultural contribution	X	Campus sustainability

Project funding

The activities were funded in part but UWE's regular transport budget. Funding has been received from councils and transport support funds.

Did this activity happen for the first time during 2015?

Some activities were 2015 specific.

Will this activity happen again beyond 2015?

UWE's focus on facilitating the use of sustainable modes of transport will continue well beyond 2015.

Sustainable UWE: Big Green Week

Contact

Vicki Harris

Description:

Throughout the week commencing the 12th of October, an array of events and activities were offered by UWE to get people involved with green activities. Communication of the key messages of the week and of details of activities and events was delivered students and staff via fliers, posters and online media.

Commencing Big Green Week was the UWE Frenchay commuter challenge. UWE ran this commuter challenge to show members of the university how long it takes to commute via alternative forms of transport. The challenge ran along a popular 3km route from Gloucester Road to Frenchay campus, beginning at 08:15 in rush hour traffic.

Monday also saw the launch of the Whole Earth exhibition by **Mark Edwards (Hard Rain project)**, **Helen Lloyd Wildman (Deputy Vice Chancellor)**, **Jack Polson (SU at UWE President)** and **Jim Longhurst (AVC)**. This is documented elsewhere in this activities portfolio.

At the "Small Green Fair 2015", staff and students were encouraged to sample the freebies, inspiration and ideas from:

- Viva vegan food stall
- 'Say no to plastics' campaign
- Student Union Green team with free water bottles and bottle top collage
- Creative cooking with leftovers - giveaway noodles
- Bristol travel team with high vis jackets for safe walking and cycling
- UWE Volunteering and Bristol 2015 - take social action!
- Vegan Lebanese hummus and flatbread takeaway.

'Pipe Panic' is a game for android - an arcade classic about managing water and was made available to the university community at the Students' Union building. The game's developer, **Christopher Light, a Games Technology graduate** now working at the International Water Security Network, was present to publicise the game.

UWE research staff presented a huge laminated map of Bristol which enabled viewers learn about the air quality where they live and work. **Dr Ben Williams (UWE Air Quality Management Research Associate)** was there to answer questions about air pollution, its impact on our health and the challenges and solutions involved in reducing it. In the light of the Volkswagen car emissions scandal, the aims of the project - to make us think more about how we are contributing to air pollution and how we can reduce our impact – were particularly pertinent. Ben believes it is vital to raise awareness of air pollution for both students and staff. He praised the map as a way of 'offering a visual stimulus for a problem that is invisible to the naked eye – a great way of raising awareness.' **Vicki Harris, UWE's Sustainability Engagement Officer** and organiser of Big Green Week shared her words of praise for the map. She remembered the impact it had on some of the officers at the Students' Union, and how it informed them of Bristol's air quality issues – a topic not widely documented.

Come Tuesday, the travel team set up a stand at Glenside info point which provided information and advice on all forms of travel in and around Bristol whilst offering some useful freebies.

There was a special Big Green Week Farmers' Market, attended by 450 people, with extra new stalls and a selection of street food:

- Moist: Lebanese hummus and flatbread for lunch or takeaway
- UWE Scouts and Guides: fundraiser cake stall
- Pudseys: Jams and pickles all local
- Lye Cross farm stall offering cheeses eggs and more
- Gales: meats, pies, sausages, poultry
- Cottage Bakery: brilliant breads and Chelsea buns
- Elm Tree farm: juices, plants, birdboxes, and salads
- CJ baking: for all your cakes and snacks
- Zaytoun Fairtrade products: couscous, spices, olive oil, soaps

With Wednesday came Action day at the UWE Community Garden. Those with an interest in gardening were invited to indulge in some gardening on campus. People could drop in any time to have a look at the garden and help the grounds team to work on our community garden; all planted out using permaculture sustainable gardening techniques.

Darren Hall, who stood for the Green Party in the last general election in Bristol West, offered a talk on Frenchay campus entitled 'What future for Green politics in the UK?' Fresh from the Green Party conference he spoke about the prospects for Green politics and policies under the current Conservative government. Alluring for any-one concerned about climate change and all its implications – the event enticed around 30 people.

The bee walk and talk was an opportunity for anyone to join **UWE's resident bee-keeper Jeff Davey** to discover more about the amazing hidden world of UWE's bees. He led a walk over to the hives past Wallscourt Farmhouse whilst he talked about the natural history, usefulness and husbandry of honeybees and other pollinators. There was the chance for few jobs to do at the hives like feeding and putting on mouseguards.

At the SU bar there was a chance to play "Pocket Planet", a game where residents manage the prosperity of their planets by saving water from their household. The objective of the project is to change the behaviours towards consuming water by using gamification and peer competition as an incentive. The project operates over technology, social, sustainability and hardware disciplines.

There was an Autumn Wildlife Walk and Glenside Autumn Trail. For cyclists, there was also free security marking and registration onto Bike Register's online database.

The **Students' Union at Bower Ashton campus** played host to a Green day in celebration of UWE Big Green week. Activities included a clothes Swap Shop, extra vegetarian options in the bar, photography students selling cakes including vegan options, sale of second hand books (with proceeds going to Greenpeace), 2 film showings in the bar: 'Cowspiracy' and a film called 'Best Before: a documentary about Skipchen' made by a 3rd year UWE BA Filmmaking student. 'Best Before: a documentary about Skipchen' is about a community food waste cafe on Stokes Croft, serving meals on a pay-as-you-feel basis. The cafe is run by Sam, Catie, Rob, Dylan, Ziggy and Rachael who source the food from supermarket skips and local donations. Each morning, the menu is written based on what they can create from the ingredients they have. The cafe plays a small part in the bigger aim to abolish food waste.

On Friday, a model of sustainable design, construction and performance on campus in the form of

the R2 building (which won the RIBA South West Town and Country Design Award in 2011) was highlighted in a walking tour. Sustainable features of the building include:

- Its biofuel boiler uses refined waste cooking oil from our own kitchens
- The gray rain-screen cladding has 93% recycled content from slate shavings
- The yellow chimney outside leads to buried ductwork which provides natural heating and cooling to the lower lecture theatre
- The ceilings are exposed to utilise thermal mass for absorbing heat and cooling building.

It was a super Saturday as students got involved in our one-off Action Day for Big Green Week at The Community Farm, Chew Magna. They could be a farmer for the day and help with the harvest with a big group of volunteers and find out about the farm. Transport and lunch was provided and the day ran from around 9.00 - 16.00.

Who organised it?

Vicki Harris.

Attendance and reach

Events during Big Green Week attracted staff and students from across UWE's main Bristol campuses.

Evidence (images, multimedia and artefacts)

Dr Ben Williams (UWE Air Quality Research Associate) Ola Michalec (UWE PhD Researcher) explain their air quality map.

See also:

<https://twitter.com/UWEBristol/status/653504172608851968>

Case study (organiser) :

Vicki Harris believes the Green Capital title had a significant effect on Big Green Week. She explained that the "amount of energy and enthusiasm had increased" from students, staff and participants compared to previous years.

Case study (participant) :

The creators behind Pipe Panic and Pocket Planet shared their opinions from UWE's Big Green Week: "This year's Big Green Week at UWE was a great opportunity to showcase our work around changing people's behaviour to water consumption via gamification. Pipe Panic, an arcade Android title, saw its first public outing with pre-release downloads and some free giveaways. There was a lot of interest in the game on the day, and initial feedback has been good."

"We also unveiled the gamification project for the UWE student village. Pocket Planet is a game where players manage the prosperity of their planets by saving water from their household. Using real-time data from meters at the Wallscourt Village, the game converts the water saved in the player's households into water available in the game. By using less water in the 'real world', the player has more water to play with in the virtual world, and this has to be used alongside food and energy resources to manage and sustain a human population on the planet. Players with the highest sustained populations will win awards and we hope to initiate competition between players and households."

"The objective of the project is to encourage students to use less water by using gamification and peer competition as an incentive. The project operates over technology, social, sustainability and

hardware disciplines.”

(Quotes source from: - <http://www.watersecuritynetwork.org/gamification-projects-showcased-at-uwe-big-green-week/>)

Impact and legacy

This week offered mass exposure to students of UWE’s Green Capital engagement. Not only this, but with the increased advertisement, promotion and events, Big Green Week educated staff and students about ways in which sustainable actions can be embedded into daily lives. With the unveiling of Whole Earth and an array of other activities, it’s hoped those that were exposed would alter their actions and be willing to engage in the future.

Relevant Green Capital themes

X	Energy	X	Health
X	Resources	X	Happiness
X	Nature	X	Cities
X	Transport		
X	Food		

Activity type

X	Student impact and engagement	x	Research and knowledge exchange
X	Staff engagement	X	Civic engagement
X	Faculty/service actions	X	Business facing activities
X	Academic conferences	X	Marketing and branding
X	Cultural contribution	X	Campus sustainability

Project funding

Big Green Week was funded from with UWE’s sustainability budget, with individual events receiving support from UWE’s Green capital budget.

Did this activity happen for the first time during 2015? No but Big Green Week was bigger in 2015 than in previous years!

Will this activity happen again beyond 2015? UWE will continue to run Big Green Week in future years.

Sustainable UWE: Healthy University Initiatives

<p>Contact Judy Orme and Lizzie Sabine</p>
<p>Description Many health related schemes and events have taken place for Bristol European Green Capital 2015. There have been monthly Farmers' Markets on campus that encourage local produce and Fairtrade goods. As well as this, there was a fruit and veg stall at Frenchay every week day offering healthy, locally sourced foods.</p> <p>This year's "Feel Good February" was a great success as can be seen below:</p> <ul style="list-style-type: none"> • 217 events held across campuses. Frenchay Campus - 130. Glenside Campus - 49. Bower Ashton Campus - 38. • 6,200 total participants. • 1,254 loyalty cards handed out. 947 prizes awarded. • 250 plus people in face to face communication with Feel Good Champions. • 1,700 views of the UWESU Feel Good website in February 2015. • £2,002 total amount raised for St Peter's Hospice by the Pedometer Challenge. • 6,670 weekly news email opens in February 2015. <p>Contributing to this, 545 members of staff took part in UWE Charity Pedometer Challenge 2015. A total of £2067 was raised for St Peters Hospice. The total distance walked was 41,304,831 steps which equates to 20,652 miles which is an increase of 6.3% steps compared to last year. This distance is the same as walking from Bristol to Melbourne and back.</p> <p>Food</p> <ul style="list-style-type: none"> • MSC award criteria to be rolled out to other campuses • Launch of fully compostable coffee cups and lids at Bower – 1st university to do this • Wellbeing charter commitment level achieved • UWESU focusing on locally sourced food and food miles • Sustainable cooking demos for students – focus on using leftovers and minimising waste • Bower Ashton new healthy food provisions <p>Active Travel</p> <ul style="list-style-type: none"> • 6 electric bikes on city campuses (Arnolfini, BA, Watershed) • Cycle stands to be implemented at new SU building • New cycle hub outside P/Q block • Cycle travel office established on Frenchay campus • Cycle lease scheme established for students only (75 bikes)
<p>Who organised it? Healthy University Group</p>
<p>Attendance and reach Staff & Students 6,200 for Feel Good February. 545 for the pedometer challenge</p>
<p>External organisation involvement HUG Partnerships.</p>
<p>Evidence (images, multimedia and artefacts)</p>

Case study (organiser) :

Judy Orme (Professor of Public Health and Sustainability) believed combining the healthy universities and the Green Capital agendas was ‘very important for the university.’ Judy enthusiastically envisioned a way in which the two collide. Although not explicit, people may enter Green Capital engagement through the healthy university agenda; for example, participants could have joined the “Pedometer Challenge” due to concerns about their health or weight. After increased physical activity, they gain the fitness, the confidence and the understanding to participate in greener activities. Physical fitness can also have an influence on mental health, so the more physically active people are, the more they can appreciate their surroundings and want to preserve it. By offering challenges such as this – people can reap the social benefits that come as a result. In turn, this can encourage conversation and competition between co-workers and participants which provides the impetus for discussion of Green Capital and future participation.

Judy did identify scope for improvement however, for she states ‘the profiling has been good, the links could have been targeted better... if the links between the event and Green Capital could be recognised from a glance, then people would begin to acknowledge their participation with the title.’ She also wished for a better working relationship with Green Capital organisers to fully benefit from city lead schemes and events that the university could have contributed to.

Case study (participant) :

Tracey Horton (Academic Regulations & Policy Manager) is an enthusiastic walker. Tracey commutes by walking an outstanding 9 mile round-trip. Unsurprisingly, she relished the opportunity to participate in UWE’s pedometer challenge and compete against her co-workers to see who takes the most steps in a day.

Tracey has always admired the benefits of walking so this challenge really appealed to her interests. She stated ‘I really like it, it’s healthy, hard work, good for the environment and I know exactly the time I’ll get home.’ One thing walking enables Tracey to do is to strengthen the bond that she holds with nature. She likes to vary her path and she prefers the scenic routes which makes her think about nature a lot more. “You get to see more, appreciate the weather, the seasons, sunrises and sunsets.” She has even seen a fox and a deer on her travels which really brightened her day. All this walking ensured Tracey could explore Bristol and the green attributes of the city. She even got involved in the “Gromit trail” and had a great view of the balloon fiesta, one actually landed on her path to work!

Praising the “Pedometer Challenge”, Tracey highlighted the personal, social and environmental benefits. “I met people through the pedometer challenge. People started walking everywhere, even in meetings! It stimulates the brain and I sometimes to walk to find solutions to problems”. She recently walked to Splatts (a local woodland area close to Frenchay campus) and just admired her surroundings, the peace and solitude granted to her from nature.

She has now bought a wristband which counts her steps and the calories she has burned. Tracey hopes to see a band and a pedometer challenge which counts the amount of CO2 emissions saved from walking rather than driving. This could provide an extra incentive for participants to add another dimension to what they are working towards, competitively, personally and environmentally. Tracey believed that the challenge influenced actions and changed mind-sets. She appreciated the fact that it was specifically for staff to get involved with. “It makes staff feel valued and the banter increased.” It helped people get out of the office and divert their gaze from screen to green.

Impact and legacy

Green Capital has helped to reinforce our messages around health and sustainability through our healthy eating and active travel initiatives. This helped raise awareness of healthy food options,

walking to work, cycling instead of using the car, how to cook with leftover food etc.. The Green capital has helped to influence our fruit and veg stall by encouraging local, seasonal and fresh produce being sold.

Relevant Green Capital themes

	Energy	X	Health
	Resources	X	Happiness
	Nature		Cities
X	Transport		
X	Food		

Activity type

X	Student impact and engagement	X	Research and knowledge exchange
x	Staff engagement		Civic engagement
	Faculty/service actions		Business facing activities
X	Academic conferences	X	Marketing and branding
	Cultural contribution	X	Campus sustainability

Project funding

This work received small grants from UWE for Pedometer challenge, Feel Good February and cooking demos. Funds were also received from Bristol City Council for the Workplace Wellbeing charter, and for a healthy eating initiative.

Did this activity happen for the first time during 2015?

New initiatives for 2015 included: Cycle scheme, Healthy food promotions – loyalty card and the submission of an application for Bronze soil association catering mark.

Will this activity happen again beyond 2015?

Yes - all

Hands on Bristol

Contact

Rachel Sara

Description:

'Hands on Bristol' is a collaboration between the Bristol School of Architecture, University of the West of England and the Bristol community, that seeks to encourage and strengthen knowledge exchange between education programmes and local communities through collaboration in live projects. 'Hands on Bristol' gives local groups and specialists the unique opportunity to transform spaces across Bristol. Previous projects have included self-built pocket parks, light installations, densification proposals, a community cinema, recycling clothes shop, community art interventions and greening the high street. The possibilities are broad and endless. For example in 2015 as part of the European Green Capital students undertook a visioning exercise to explore interventions which would encourage clean, safe and financially viable swimming within Bristol Harbour. Another commission came from the Bedminster Town Team. The question was, how can we design low-budget interventions in order to change perceptions and encourage a more vibrant high street? Following extensive consultation with businesses and local people, final proposals were developed for an outdoor gallery and the installation of a pocket park. Pocket parks otherwise known as a 'parkette' are tiny parks often created on a single vacant building lot, or small irregular pieces of land.

Using a built environment challenge posed by community groups or organisations as the starting point, Architecture students work through a number of steps to develop and deliver a design brief for a project.

Typical stages involve:

1. Client and student meeting to develop a detailed brief for the project
2. Survey of the project leading to the production of drawings and models
3. Context research exploring the wider surroundings and the networks of actors or stakeholders involved
4. Production of a design report including details of costings, and similar projects for comparison

Working with communities has helped to develop practice-ready professional experience for UWE graduates, whilst stitching a bond between the student and the city. Many of the proposals developed are self-build and (almost) zero-budget solutions.

Who organised it?

A collaboration between the Bristol School of Architecture, University of the West of England and the Bristol community

Attendance and reach

Community members, Architecture and Built Environment staff and students.

External organisation involvement

Many local community groups who worked with the students in their live projects are part of this project.

Evidence (images, multimedia and artefacts)

Images and further documentation can be found at - <http://www.hands-on-bristol.co.uk/>

Case study (organiser) :

Speaking at a seminar presentation on “Hands on Bristol”, **Matthew Jones (Senior Lecturer, Architecture and Planning)** described the project as a way to “develop skills and communication” and to “respond to community issues with the skills of Architecture students”. He explained the actions of students in the project “Reclaiming Totterdown” which aimed to reduce the speed of vehicles in the narrow, steep and busy roads and utilise the space that is neglected in the area. He also believed that the projects can lead to “social and professional benefits for new Master of Architecture (March) students” who can meet their peers and judge the level they are at in a practical environment.

Sally Daniels (Senior Lecturer, Architecture and Planning) offered information and examples of two contrasting projects from Bristol and Norway which expressed “the scope of the breadth of what the live projects do”. Sally said the “practical benefits can be amazing” as they can offer communities a “future vision, aspirations for fundraising and in some cases a physical structure to be used”. If only a semi-permanent building, then this can still be “a precursor to a more permanent building.”

Rachel Sara (Programme Leader for Master of Architecture) explained that “a lot of research of the benefits of students has been done” and that this project meant they can undertake a project with “something that makes a difference and isn’t just what the teacher’s mark.” The clients “learn a lot on the practicality of the students and they learn about the architectural process more so it’s a two way education between the community and the university.” Also, Rachel explained that all the clients are non-profit organizations to ensure the “students don’t feel exploited.” Rachel has held interviews for potential MArch students and she described how “they want to come to UWE for the live projects” and those that have undertaken live projects have stated it’s “a really rewarding process... never boring.”

This is a “socially sustainable project and it’s easy to forget the people that these projects have an impact on.” It helps to “connect UWE with the city” and epitomizes the “think global, act local” philosophy.

In terms of negatives, Sally underlined the importance of “being clear on the deliverables and what the client will get” as there is a danger of the community receiving a structure that they don’t want or don’t know what to do with.

Case study (participant) :

Chris Metcalfe (Master of Architecture Student) worked on the project “CO-HOUSING: 325 FISHPONDS ROAD”. Their research aim was “To use an inclusive co-design process to develop community-led landscape strategies to encourage interaction and group activity between co-housing residents, whilst creating a national exemplar with which to promote the viability of community housing schemes”. The group held 8 weekly meetings with the various residents of the community where they shared their ideas, responded to residents and presented their developments as the weeks went by. At the end of the project, the team presented a large scale model of their plans and offered it to one of the residents to keep. Chris recalls they were “very appreciative of this and they really liked it”.

He believes “It was really rewarding having such a large group of people with different interests gradually working towards a beneficial solution. I have definitely learnt a lot about collaboration. One thing we suggested was using recycled materials to create ‘Elephant steps’, perfect for sitting and eating on, especially as they were so close to the pizza oven we recommended! We planned to use some cool tables out of recycled scaffolding boards and a street of sheds for people to inhabit.” The site was originally a derelict school and newly built homes so it was imperative to make use of neglected space.

Chris continues “I came to Bristol with three friends from university and we specifically chose UWE to take advantage of their live projects. Having a sustainable outlook is definitely important in Architecture nowadays; I think it’s probably one of the most important things to have. It also enables you to express yourself, going out and actively seeking local materials to transform is much more rewarding than browsing the shelves at B&Q. This has opened my eyes to the abundance of good materials available to you like the scaffolding boards we found.”

In terms of Bristol as a sustainable city and its title as European Green Capital 2015, Chris states, “Bristol is such a forward thinking place, it’s clear to see and I’ve only been here for three months. All our projects and the ones that have happened because of Green Capital reinforce the act locally ethos. The environmental crisis is a global problem than none of us can solve as individuals, but these projects can help to raise the awareness of the issues which is vital. I think it’s great for Bristol as a city to have UWE attending these projects all over Bristol.”

Overall, “It’s really interesting to see a university course fused with ‘real’ projects. It gives you a different mind-set compared to a regular job.”

Impact and legacy

The immediate impact of a project from ‘Hands On Bristol’ is the sense of kinship created from connecting UWE to the city. There is a great impact on the neighbourhood as their environment is the centre of innovation and efforts for change whilst the students gain real life experience and education on local areas of their city of study. The legacy can be found through the transformations made in that area, sometimes a building or a structure that can be used by all. This project will run into the future and the awareness built from Green Capital can help it expand.

Relevant Green Capital themes

X	Energy		Health
X	Resources	X	Happiness
X	Nature	X	Cities
	Transport		
	Food		

Activity type

X	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement	X	Civic engagement
X	Faculty/service actions	X	Business facing activities
	Academic conferences		Marketing and branding
X	Cultural contribution		Campus sustainability

Project funding

This project is funded by the Department of Architecture and the Built Environment, UWE Bristol with additional support from UWE’s Green Capital budget.

Did this activity happen for the first time during 2015? No

Will this activity happen again beyond 2015? Yes

Centre for Performing Arts

Contact

Ian Holmes

Description:

UWE's Centre for Performing Arts has proficiently supported and reflected on the Green Capital themes in a number of different ways throughout the year. So far these have included a four night run of *The Secret Garden* at the Redgrave Theatre in March 2015 which was based on the novel by Frances Hodgson Burnett with lyrics by Marsha Norman (Playwright) and music by Lucy Simon (Composer). This was followed by a very successful and well-supported concert reflecting on the green theme in a concert at Bristol Cathedral in April 2015. Event organisers were particularly appreciative of the extra audience numbers seemingly attracted by the additional green capital website publicity.

Nevertheless, the year's performances were all building towards the group's pivotal event at Colston Hall - *Green and Pleasant Lands* on the 6th of December. This included the following music:

- George Fenton – *Blue Planet*
- Delius – *Sea Drift* with baritone soloist Martin Le Poidevin
- Paul McCartney – *Celebration* from *Standing Stone*
- Arnold – *English Dances*
- Vaughan Williams – *Toward the Unknown Region*
- Parry's – *Jerusalem*

These scores not only reflect on a green theme but also latterly celebrate 100 years of The Women's Institute.

Furthermore, the most significant part of the programme for *Green And Pleasant Lands* was the commissioning of a brand new piece of music supported by funding from the green initiative. This was a large-scale composition for symphony orchestra in the form of a theme and three variations on a Bristol Sea Shanty of approximately 10 minutes duration with the composers being three UWE members of staff all of whom work in FET as part of the extensive Music Technology programmes; it is hoped that this new work was warmly received by the Bristol audience with potential for many future performances by local and national groups.

The final CPA event for 2015 was the UWE Carol Service on 10th of December with music reflecting on the green theme. This included a brand new commissioned piece of music – *The Gift* – written by Liz Lane (Senior Lecturer in Music Technology - Composition and Performance) for the UWE Singers with organ accompaniment with the performers totalling about 200 CPA members. Ian Yemm (University Coordinating Chaplain) performed a particularly fitting tribute to the Green Capital year in his sermon which can be found here: <http://www.chaplainlog.blogspot.co.uk/2015/12/a-thought-for-december-2015.html>

He later described the event as "a great occasion!"

The UWE Big Band also performed at this year's Green Gown Awards organised by the Environmental Association of Universities and Colleges.

Lastly, the UWE buskers played at many Green Capital events that occurred throughout the year such as the *Whole Earth?* Exhibition launch, farmers markets, Go Green Week, Fairtrade Fortnight, Big Green Week and the Green Gown Awards.

Who organised it?

Centre for Performing Arts – Led by Ian Holmes.

Attendance/reach

350 performers at Green And Pleasant lands and approximately 900 attended. A similar number (896) attended the Secret Garden performances, of which there were 5 in total. There were 500 people present at the end of year Carol Service totalling around 2300 staff, students and members of the public who attended the two events.

External organisation involvement

Jonathan James (freelance music educator) spoke to performers before the Green and Pleasant Lands concert to explain his interpretation of the 'green' theme in

Evidence (images, multimedia and artefacts)

More images are available. Please contact Ian.Holmes@uwe.ac.uk or Georgina.Gough@uwe.ac.uk

A sound recording of the Secret Garden can be found at -

<https://soundcloud.com/uwebristol/secret-garden>

Contact Vicki Jones for promotional materials and programmes.

Maxwell Davies, Adrian Hull and Liz Lane created their own musical score which was performed at Green & Pleasant Lands.

Case study (organiser) (include image where possible):

Ian Holmes (Director of the Centre for Performing Arts) believed the added title of Green Capital was 'fantastic' for the Centre of Performing Arts' publicity, for raising awareness of their activities and achieving their goals. Although it was at times challenging to incorporate 'green' themes into artistic performances, Ian was adamant in expressing the positive impact the year's green efforts have had on his team – he stated "It's been a challenging year for us but we hope we have overcome these

challenges”.

Ian said ‘Bristol European Capital 2015 inspired our programming this year. We have been able to reflect on the theme and through this we have engaged with an ever-widening audience whilst raising awareness for sustainability issues.’ He believes that the CPA’s staff and students understand sustainable issues and goals ‘very well’ and that this year’s green involvement has influenced its members. One member of staff has decided against driving his car to regular rehearsals at Glenside and has instead opted for the electric car made available by the university to reach his destination and reduce his carbon output. The Green Capital year has benefited the Centre through to the core, with many events offering students the chance to perform, such as the UWE buskers who helped contribute to the ambience of the Whole Earth? Exhibition launch.

Ian pressed for further networking that has developed as a result of Green Capital’s knowledge sharing and brainstorming of ideas, whilst connecting with other university faculties and learning of their involvement.

Ian was also proud of the CPA’s contribution to the health and wellbeing goals of sustainability. Nature has posed as the muse for the most ingeniously creative thinkers, writers, musicians and artists throughout history; with this in mind, Ian was aware of the effects that the CPA’s events can have on a person’s wellbeing; whether they are watching for enjoyment, stress relief or as a form of escapism – the arts industry has the ability to directly improve someone’s happiness for the better.

Although embracing the Green Capital year, Ian did share his doubts on whether the Centre could sustain the engagement and continue to build on the awareness raised after the year is over. He believed that identifying a lasting legacy was one of the most difficult challenges when questioned on the Centre for Performing Arts’ Green Capital engagement. Despite this, he was more than happy to embrace sustainability and incorporate it into the Centre’s performances if the opportunity arises for future engagement.

UWE sustainability engagement officer, Vicki Harris, claimed the “buskers have been lovely” in their contribution to sustainable events this year. They have performed at farmer’s markets, the launch event and the Whole Earth exhibition plus much more. She highlighted their efforts as providing “a much friendlier response. The busking brings some of the events to life with their music”.

Maxwell Davies (Associate Lecturer – CPA)

Dr Max Davies (Associate Lecturer, Centre of Performing Arts) coordinated the UWE Buskers for on-campus Green events, organised the UWE Big Band and Sting Band at the EAUC Green Gown Awards and performed at the Green and Pleasant Lands concert. He believes the “individual awareness for CPA members, and audiences at our events, on what the Green Capital is, and what it is trying to achieve was improved by our efforts this year. Due to our focus on the Green Capital, our performers learnt to realise that Bristol is a beacon for sustainable thinking, eco-friendliness and environmental issues; and that it is important to contribute to this. I was privileged to be commissioned by the university, along with two other UWE lecturers, to write a piece for the UWE Symphony Orchestra for performance during the Green and Pleasant Lands concert at the Colston Hall. Its starting point was linked to the reasons why Bristol was awarded Green Capital from the initial application. The piece charts, in sound, our relationship with the environment and it was my hope that it would be an invitation to ponder the question of ‘how are we redefining our relationship with our natural surroundings while maintaining a comfortable way of life?’”

Our aims at the CPA this year have been twofold. Firstly, we have helped lift the atmosphere at various Green Capital events such as the Green Gown Awards and the farmers' markets. Secondly, the work that we have done in terms of concert programming, new commissions, the composition competition and performances have all helped to highlight the green message.

If we just focused on one event, it would have been more difficult to raise this awareness amongst our members and audiences. Offering a series of events linked to the green theme helped us to achieve our objectives.

To continue the spirit of 2015, we have three projects in contemplation for 2016.

1. A composition competition, open to students and UWE alumni, to submit a piece of music, art, performance etc. to respond to the issues raised by the Green Capital.
2. We will be recording the commissioned pieces, and remembering the reason for their composition at the time of release.
3. This is only in its primitive stages of conception but we are hopeful of planning an "eco-performance." This would involve fashioning instruments out of recycled/recyclable materials, and would be produced in collaboration with the SU. Students would create a piece of music in response to Bristol European Green Capital. Although this is not yet confirmed, it emphasises Green Capital's as a focus for our creative thinking.

Case study (participant)

One performer offered his views on the Centre's engagement with Green Capital - James White is a trumpet player, CEO of his own company and former Development Officer of the CPA. James is already sustainably orientated as he prefers to walk than drive, recycles and is an advocate for saving energy. He believed the Green Capital title has "definitely" improved the university engagement with the UWE buskers and helped collaboration between the performers and the Student's Union – which has really "kick-started" thanks to the Green Capital engagement. He has noticed that there is a higher inclination to find other modes of transport within the centre, as "getting to and from rehearsal is a major part of performing with the CPA." Schemes such as UWE's "rent-a-bike" have influenced the transportation of CPA members. Similarly to Ian, James fully emphasised the effect that music can have on a person's health and wellbeing, with a proportion of performers playing "just to enjoy it". He played in *The Secret Garden* production and was impressed with the verdant aesthetics involved with the set and the music. He recognized the newly composed music for *Green and Pleasant Lands* as the standout legacy from this year, but identified that in hindsight, the link between their performances and Green Capital could have been more overtly advertised to the performers as a way of igniting a realisation of their involvement.

Another participant, Harriet Copeland, was in her third year of study for a Biomedical Sciences degree. Whereas James performs to benefit his career, Harriet is a player purely for enjoyment. She was a trumpet player in the April concert and was grateful for the contribution from John James, an external composer. The Green and Pleasant Lands concert is explicitly related to nature and a presentation from John James explained the 'influence of nature in the composition of the piece' which she highly appreciated and made her think about the ways nature can affect people.

Harriet believed the CPA did a great job in raising awareness for Green Capital. . She praised the CPA as being a 'nice, welcoming and appreciative environment' and she would happily contribute to sustainably themed performances in the future.

Impact and legacy

The legacy will also come in the forms of the original score created by UWE staff. Inspired by nature and with its roots in the Green Capital year, this piece of music will be played in the future to continue

the legacy of Bristol 2015.

Ian Yemm explained that the “music was chosen and prayers written with the Green theme in mind”.

Max Davies:

To continue the spirit of 2015, we have three projects in contemplation for 2016.

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2. We will be recording the commissioned pieces, and remembering the reason for their composition at the time of release.
3. This is only in its primitive stages of conception but we are hopeful of planning an “eco-performance.” This would involve fashioning instruments out of recycled/recyclable materials, and would be produced in collaboration with the SU. Students would create a piece of music in response to Bristol European Green Capital. Although this is not yet confirmed, it emphasises Green Capital’s as a focus for our creative thinking.

Relevant Green Capital themes

	Energy	X	Health
X	Resources	X	Happiness
X	Nature	X	Cities
X	Transport		
	Food		

Activity type

X	Student impact and engagement		Research and knowledge exchange
X	Staff engagement	X	Civic engagement
X	Faculty/service actions		Business facing activities
	Academic conferences		Marketing and branding
X	Cultural contribution		Campus sustainability

Project funding

The original music score was funded by UWE’s Green Capital budget

Did this activity happen for the first time during 2015? Yes

Will this activity happen again beyond 2015? The Centre will continue to consider the sustainability of their activities and, as Max outlines above, are keen to continue the spirit of 2015.



network. share. listen. collaborate. communicate

UWE Bristol Green Capital 2015 launch

Contact

Vicki Harris, Georgina Gough and Jim Longhurst

Description:

UWE's Bristol Green Capital launch (26th January) was a showcase event at the Community Hub which enabled participants to find out what is happening across the city and at the university during 2015. The tone of the event was of celebration and opportunity. There were staff and student information stalls accompanied by live music. The event was supported by Green Ambassadors and the UWE buskers equipped with promotional materials traversing the campus and informing people of the Green Capital year. These ambassadors surveyed 980 people, which revealed that 80% of students and 95% of staff knew Bristol was Green Capital.

Who organised it?

Vicki Harris and Georgina Gough with support from students, UWE volunteering, professional services and the Centre for Performing Arts.

Attendance and reach

The event was attended by approximately 440 staff and students. Over 900 people were spoken directly to plus e and paper communications during the lead up to the event and on the day. Nearly 500 people – the vast majority students – were spoken to around campus on the day.

To maximise the impact of the launch we had 5 student ambassadors a staff member and 2 volunteers out and about on campus in the cafes and main social spaces with the buskers telling people about 2015 and inviting them to come to the Octagon.

13 stalls in the Octagon – representation from across UWE and from Bristol 2015, including:

- UWE Volunteering - general
- UWE Volunteering - GreenSpace project
- Green leaders/SU
- Knowledge Exchange for Sustainability Education (KESE) and academics/curriculum opportunities
- Employer Partnership Team
- UWE Transport and Centre for Transport and Society
- UWE Sustainability team
- UWE Healthy University
- UWE Parkhive project
- UWE Public Engagement
- UWE Library Services
- Staff from Bristol 2015 - Volunteering
- Staff from Bristol 2015 – general

External organisation involvement

Bristol 2015

Evidence (images, multimedia and artefacts)



Staff and students at UWE Bristol’s Green Capital launch, January 2015.



Steve Egan (HEFCE), Steve West (Vice Chancellor, UWE Bristol) and Jim Longhurst (Assistant Vice Chancellor, Environment and Sustainability, UWE Bristol) at UWE Bristol’s Green Capital launch, January 2015.

For further images contact Georgina Gough.

Reflections on the event

Jamie Darwen Head of UWE student experience and enrichment stated that ‘I have never seen the Octagon so full of people!’

Impact and legacy

Student awareness of Bristol Green capital:

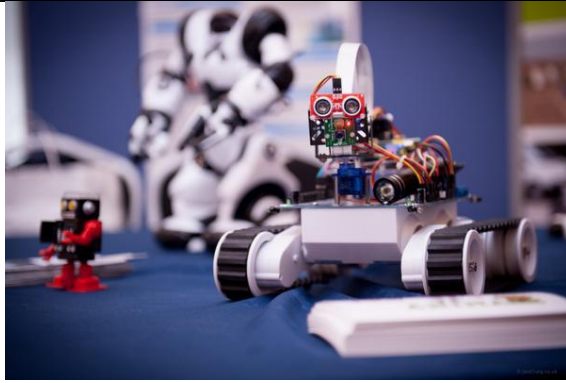
- o 20% of people knew what Green Capital was in some detail
- o About 50% of people had heard of it to a greater or lesser degree
- o A further 30% hadn’t heard of it at all.

Staff awareness: over 90% have heard of Bristol Green capital (based on ongoing soundings e.g. at the recent staff welcome fair – only 2 people out of 57 hadn’t heard of 2015)

Relevant Green Capital themes			
X	Energy	X	Health
X	Resources	X	Happiness
x	Nature		Cities
X	Transport		
x	Food		
Activity type			
X	Student impact and engagement		Research and knowledge exchange
X	Staff engagement		Civic engagement
X	Faculty/service actions		Business facing activities
	Academic conferences	X	Marketing and branding
	Cultural contribution	X	Campus sustainability
Project funding			
The event was funded from the UWE Green Capital budget.			
Did this activity happen for the first time during 2015? Yes			
Will this activity happen again beyond 2015? Not in this form but it doesn't stop here.			

Public Engagement

Contact Dee Smart
Description: UWE, Bristol students and staff have actively encouraged and participated in city-wide community involvement this year; attending, hosting and organising many Green Capital public engagement events. Bristol Food Connections in May, the Festival of Nature , in June, Bristol Bright Night in October, and The Festival of the Future City in November all received significant engagement from UWE. More detail on each of these events can be found in the individual activity reports contained elsewhere in this document. The 16 th of June was the launch of Bristol's global food project 91 Ways , the “power of food” was used to bring people together. Held at The Station in Broadmead, the day included inspirational speakers and food from around the world. The event website provided the following description of the 91 Ways project: 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. Organisers provided crèche, translation to several languages, transportation to and from the event. (See: https://www.eventbrite.co.uk/e/91-ways-to-build-a-global-city-launch-event-registration-16974612523?aff=ebapi) Sally Greenwood (Student Enrichment Project Officer) writes, ‘we have good relationships with 91 Ways as we are working together on the Creative Writing project. We have a team of student volunteers who will be delivering 5 workshops in a local primary school aiming to teach the children creative writing skills. The project will be themed around 91 Ways’ aims: about connecting communities and exploring language by focusing on food stories. The school, Fishpond Academy, have chosen a small group of children from diverse backgrounds who may be underachieving slightly in creative writing / English. At the end of the project a booklet/ anthology of the creative writing will be produced, both for the school and for 91 Ways’ summer exhibition.’
Who organised it? Dee Smart coordinated UWE’s involvement in all the above named public engagement events.
Attendance and reach Details of attendance can be found in the reports associated with specific public engagement events, namely Bristol Food Connections, the Festival of Nature, Bristol Bright Night and the Festival of the Future City.
External organisation involvement As above.
Evidence (images, multimedia and artefacts) As above.



<https://www.youtube.com/watch?v=lv1U2WB4f8M> - robots v animals

Case study (organiser) :

Dee Smart (Co-ordinator of Public and Community Engagement) believes her work was “strengthened and augmented by being under the Green Capital umbrella. For instance, researchers contributing to our events have been more engaged and the profile of the events, as well as individual researchers, has been raised because of the links with Bristol European Green Capital 2015.”

“It has been great to have the focus of the Green Capital, an important city-wide initiative, as it has empowered and encouraged us to develop very creative multifarious responses to the green capital themes. We all understand that sustainability is a good thing but sometimes it’s a hard slog to get things going because it feels you have to. What the Green Capital year did was to invite us to experiment, be playful and creative and that helped us do ‘green’ initiatives because we wanted to, not because we had to.”

“It has also strengthened the connections within the university and created a sense of connectedness.”

Case study (participant) :

See specific event reports (Bristol Food Connections, Festival of Nature, Bristol Bright Night and Festival of the Future City).

Impact and legacy

The Green Capital year has led to increased interest from UWE staff in city-wide events and provided inspiration to take part in ‘green’ initiatives. The legacy will be renewed and enhanced support for public engagement and sharing of knowledge and skills with the wider community.

Relevant Green Capital themes			
X	Energy	X	Health
X	Resources	X	Happiness
X	Nature	X	Cities
X	Transport		
X	Food		
Activity type			
X	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement	X	Civic engagement
X	Faculty/service actions	X	Business facing activities
X	Academic conferences		Marketing and branding
X	Cultural contribution		Campus sustainability
Project funding			
The individual events received funding from Bristol 2015 and Bristol City Council and other organisations. UWE's involvement was largely voluntary with promotional activities being supported by UWE's Green Capital budget.			
Did this activity happen for the first time during 2015? No, except 91 Ways. The number of UWE staff and students involved was significantly higher than in previous years.			
Will this activity happen again beyond 2015? Yes, it doesn't stop here.			

Public Engagement: Bristol Food Connections

Contact

Dee Smart

Description:

All over Bristol, dozens of individuals, groups, organisations and businesses – united by their passion for good food – came together to stage a food event unlike any other. “Food Connections” aspired 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. It ran from the 1st – 9th of May in the Millennium Square.

As the flagship food event for Bristol 2015, “Food Connections” comprised over 130 events all over the city divided into six themes: land and growing, wellbeing, feasting and festivities, get cooking, brain food and families.

UWE’s roaming social media team were out and about enjoying the producer markets, food trail, debates, classes, workshops and demos that make up the unique Food Connections festival! Their reporting took followers on a journey through Food Connections 2015 with their own unique insight on, and responses to, the wide-ranging and varied events.

Who organised it?

Bristol Food Connections

Attendance and reach

The event was available to all members of the public. Thousands of people attended.

External organisation involvement

Numerous local and national organisations support the event. See: <http://www.bristolfoodconnections.com/partners-sponsors/>

Evidence (images, multimedia and artefacts)

Photos seen here - <http://www.bristolfoodconnections.com/gallery/>

[View image on Twitter](#)



Marinated sardines & asparagus with roast garlic lemon mayo @TCFarm #thevalleysmokehouse @Bristolconnect #goodtimes

Case study (participant) :**From the Field to the Fork:****Engaging with Bristol's Catering Industry – Louise Denham**

Louise Denham (MSc Sustainable Development in Practice student) represented UWE at Food Connections in a project as part of her Master's course. She stated, "I worked for 'EatDrinkBristolFashion's' new sister company called 'Field to Fork', helping them prepare and document for their event in Queen's Square and associated Sustainable Food Conference." Louise created a 'how to' guide which combined "information captured during the summit and contained relevant advice, case studies and information for sustainable catering."

This project was beneficial for both parties for Louise believes it helped her gain "confidence in my own abilities and expertise" and for the employer, the 'how to guides' that Louise created "act as the legacy of the summit and allow us to remain engaged with the local catering and restaurant community, proving our commitment to helping them in their efforts towards sustainability. It demonstrates our understanding of the difficulties that can be encountered during this, but also offers practical and feasible solutions and creates a real business case for sustainability."

This is a great example of UWE students using their skills to offer practical benefits for local organisations.

Impact and legacy

The 'how to guides' that Louise created will influence the practices of the catering and restaurant community. The event is more broadly intended to encourage healthier, more sustainable eating behaviour amongst the general public.

Relevant Green Capital themes

	Energy	X	Health
	Resources	X	Happiness
	Nature	X	Cities
	Transport		
X	Food		

Activity type

X	Student impact and engagement		Research and knowledge exchange
X	Staff engagement	X	Civic engagement
	Faculty/service actions		Business facing activities
	Academic conferences		Marketing and branding
X	Cultural contribution		Campus sustainability

Project funding

UWE's engagement in Bristol Food Connections is part of its public engagement activities.

Did this activity happen for the first time during 2015? No although Green Capital, with its focus on food, provided added momentum to the event.

Will this activity happen again beyond 2015? Yes

Public Engagement: Festival of Nature

Contact

Dee Smart

Description:

What happened:

The Bristol Festival of Nature Wild Weekend was a two day city-wide celebration of the natural world that started on the 13th of June. Held along the Bristol Waterside, its key aims were to be exciting, educational and dynamic. UWE Bristol contributed this event with enthusiasm and innovation.

This festival provided a perfect platform for the launch of the UWE, Bristol's Parkhive app. UWE also pitched their own tent, where there was a range of interactive activities for visitors of all ages. Highlights included: Bug Booth (UWE bioscience experts), Your Green City, Avalon Marshes (Partnered and funded by UWE), Hydrocitizenship Project (Faculty of Environment and Technology) and Robots vs Animals (Science Communication Unit).

The Bug Booth with bioluminescent bacteria appealed to those interested in biosciences, whilst health fanatics could exercise 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.

Featuring over 100 organisations, the Bristol Festival of Nature Wild Weekend gave wildlife-lovers of all ages a unique opportunity to discover and enjoy the natural world in the heart of the city. With a line-up of hands-on activities, fascinating talks, live entertainment, a market bursting with local produce and much more, the weekend expected attracted over 12,000 people to Bristol's Harbourside. There was also a talk led by Sam Thomson about Bristol Parks and films were on display made by the MA Wildlife Filmmaking course.

Who organised it?

The Bristol Natural History Consortium, UWE, Bristol is a long standing member of the consortium.

Attendance and reach

Approximately 12 000 people attended the event with 100 organisations in attendance.

External organisation involvement

At-Bristol, Bristol 2015 Lab Space, the Watershed, Avon Wildlife Trust, Bath and North East Somerset Council, BBC, Bristol City Council, Bristol Zoo Gardens, Department for Environment Food and Rural Affairs, Environment Agency, National Trust, Natural England, Royal Society for the Protection of Birds (RSPB), University of Bristol, Wildfowl and Wetlands Trust (WWT), Wildscreen.

Evidence (images, multimedia and artefacts)





<https://intranet.uwe.ac.uk/sites/RBDH/PublishingImages/Pages/PublicEngagement/FON1.jpg>

Testimonials :

“Parkhive is such an exciting innovative project – and has huge potential. The team were enthusiastic and ambitious and came up with eye-catching ways to promote the launch of the Parkhive app at the Bristol Festival of Nature (such as on a bike trailer, photo boxes, and on the big screen). It was great to have them. I hope the project continues to grow, and can play a role in helping people in Bristol protect the green spaces that they enjoy!” -Bethany Squire, Bristol Natural History Consortium, Festival of Nature

Case study (participant) :

These are participating researchers/academic and technical staff who took part in Bristol Festival of Nature 2015:

Erik Stengler (Senior Lecturer in Science Communications) represented UWE at the Festival of Nature. “My participation in the last four editions of the Festival of Nature has been in the capacity of public engagement coordinator for the department of Biological, Biomedical and Analytical Sciences (BBAS), by encouraging and supporting BBAS staff to participate presenting hands-on activities on their research.”

“Having the Festival in the horizon every year has been useful for us to work towards a specific event and as such it has helped to increase public engagement by BBAS staff. It has worked well so far, especially by showing staff that their efforts pay off, given the large number of visitors and the overall positive feedback received.”

“It has been essential to count on UWE's central support in coordinating UWE's participation in the event, and in this regard I fear that current plans to discontinue institutional tents on the festival will dilute UWE's visibility and eventually diminish UWE's institutional interest in participating, with the consequence of providing less support for those who would like to participate. I therefore would recommend that UWE insists on having a UWE tent as has happened in recent years.”

Corra Boushel (Project Co-ordinator for Robots Vs Animals) explained:

“Robots vs Animals involved robotics PhD students who were registered STEM Ambassadors helping with robots that children could play with, as well as “drop in” experts (also Phd/recent graduates) from

- Open Bionics (prosthetic hands)
- Bristol Bioenergy Centre (Microbial Fuel Cells)

This was the final official activity as part of the RvA funding. We also used it to showcase work from schools that had won our competition, and invited local winners to come along and receive their certificates from us/have their photo taken with us.

It was valuable because it related robotics research to nature/people drawn to a biologically themed event (that was the purpose of the RvA project). It was much easier to participate because UWE had a coordinator (Dee Smart) so lots of the pre-organising was done by/with her rather than with the overall festival. We were busy throughout both days.

It’s nice to be part of festivals, and stalls offer a relatively easy way for PhD students and ECR to get some public engagement practice. However, FON specifically already pre-selects a science/nature-keen audience (as opposed to e.g. Harbourside festival) so it depends on which audiences you are trying to reach.”

Impact and legacy

The Festival serves many purposes including raising awareness of UWE and the variety of nature-based research and teaching activity which is undertaken here, as well as increasing public knowledge of nature and the environment.

Relevant Green Capital themes

X	Energy		Health
X	Resources	X	Happiness
X	Nature	X	Cities
	Transport		
	Food		

Activity type			
X	Student impact and engagement		Research and knowledge exchange
X	Staff engagement	X	Civic engagement
	Faculty/service actions		Business facing activities
	Academic conferences		Marketing and branding
X	Cultural contribution		Campus sustainability
Project funding			
<p>UWE's contribution to the Festival is supported by UWE. Individual projects represented with the UWE tent have specific funding, for example, "Robots vs Animals" was a specifically funded public engagement project (see www.robotsvsanimals.net) by the Royal Academy of Engineering. Additional funding was provided from UWE's Green Capital budget.</p>			
Did this activity happen for the first time during 2015? No – started in 2003			
Will this activity happen again beyond 2015? Yes			

Public Engagement: Bristol Bright Night

Contact

Dee Smart

Description:

UWE contains a dedicated, inter-disciplinary team of experts who are devoted to extending their knowledge and research of sustainable issues. **Bristol Bright Night** was an event that brought the excellent research that has been embarked on in Bristol to the public's grasp. Bristol was selected to stage one of only five science events in the UK, as part of the prestigious annual European Researchers' Night programme. On the 23rd of September, around 300 cities ran events simultaneously across 24 countries, and were funded by the EU Commission to engage citizens in celebrating the latest and most stimulating research at both a local and international level.

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 and there were engaging talks, debates and comedy taking place throughout the building.

The Planetarium was at maximum capacity as the Flavour and the Mind Show, from the Understory team, delighted audiences with drones, a brain scanner, edible bugs and the world's rarest chocolate. There was also a pop-up theatre group who roamed the city of Bristol with a series of weird and wonderful performances, before completing their journey at At-Bristol to the amazement of visitors. At the Green Capital Lab, there was a series of interactive debates on the complex topic of resuscitation; whilst the Watershed hosted a moving film and panel discussion from UWE's Centre for Appearance Research.

Collaboration between the Festival of Nature, University of Bristol and the University of the West of England, Bristol ensured this event was part of the prestigious annual Europe-wide Researchers' Night programme. European Researchers' Night was funded by the EU Commission.

Supplementing Bristol Bright Night was the Green Hour Talks at At-Bristol Learning Centre. Here, listeners could explore green research from air pollution to sustainable transport; as the speakers looked back at our past mistakes and forward to creating a sustainable future.

Air pollution – why we fail to learn the lessons of history – Prof. Jim Longhurst

This talk explored the contemporary issues of air pollution through the lens provided by history. It presented a perspective drawn from an analysis of historical, and mostly failed, attempts to manage air pollution from classical times until today. It asked the question 'why have we not learnt from the lessons history provided?'

Top gear or click: Transport's uncertain future – Prof. Glenn Lyons

Predicting tomorrow's British weather is a great enough challenge. Predicting future demand for transport in a changing society may now be asking the impossible. There are signs that our love affair with the car may be fading alongside a stronger pull towards city living and the opportunities the digital age is providing to 'connect' without as much reliance on motorised mobility. This talk highlighted divergent plausible futures that may lie ahead for transport and society. It suggested we may be undergoing a profound transition away from 'automobility' as we have known it. It signalled what this means for policymaking.

Getting to Sustainable Behaviour – What do we Change? Individuals or Society? - Dr Tim Chatterton

As we look to 2050 and a low-carbon future where we hope to reduce greenhouse gas emissions sufficiently to prevent 'dangerous climate change', there is a lot of emphasis put on getting

‘individuals’ to take action. But will this be enough? Or are the challenges we face only going to be met through concerted action to change society and how we think about our everyday lives. This might not be as daunting as it sounds – society changes rapidly anyway – just think of how different your, or your parents, lives were in 1980? Only by fully accepting that what we need to do is beyond the scope of individual action will we stand a chance of realising the collective action that will be necessary to both adequately mitigate and adapt to climate change.

For Bright Night, UWE’s social media team ran a ‘UWE campaign’ across four weeks, with a combination of tweets using Bristol Bright Night hashtag to generate conversation and promoting various ticketed events – including Facebook and Instagram posts. They conducted various interviews with UWE researchers and produced content for Instagram and BNHC news section. They also promoted articles on these events through our twitter. Each of these tweets had an average of 2800 impression and with a total of 930 engagements.

Three videos were live broadcasted through Periscope – each 20 minutes long and receiving an approximate 50 viewers. We promoted our live stream with various posts.

Who organised it?

A collaboration between Festival of Nature, University of Bristol and the University of the West of England.

Attendance and reach

The event was open to staff, students & members of the public. - More than 70 UWE researchers were there. More than 2,300 people attended (2370).

External organisation involvement

University of Bristol, At-Bristol, Bristol 2015 Lab Space, the Watershed, Avon Wildlife Trust, Bath and North East Somerset Council, BBC, Bristol City Council, Bristol Zoo Gardens, Department for Environment Food and Rural Affairs, Environment Agency, National Trust, Natural England, Royal Society for the Protection of Birds (RSPB), the Wildfowl and Wetlands Trust (WWT), Wildscreen.

Evidence (images, multimedia and artefacts)

<http://www.bnhc.org.uk/bristol-bright-night/highlights-and-gallery/>



Dr Ben Williams and Dr Jo Barnes explaining their air quality map.

https://www.dropbox.com/sh/w89fben9tsra017/AAAk3JnK5Z6GoSjsLfcNSTM0a?dl=0&preview=IMG_0020.JPG

<https://www.instagram.com/p/7Fi1qyDqeW/>

<https://www.youtube.com/watch?v=IT1VFDUarRI&feature=youtu.be>

Testimonial

The Bristol Natural History Consortium stated “We’d like to thank all the researchers, volunteers and staff from UWE, University of Bristol, At-Bristol, Bristol 2015 Lab Space, the Watershed and of course the public who joined us – you all made it a fantastic evening!”

<http://www.bnhc.org.uk/bristol-bright-night/highlights-and-gallery/>

Case study (participant) :

UWE’s Air Quality Research and Management team presented their huge laminated map of Bristol which enabled viewers the chance to learn about the air quality where they live, work and play. **Ben Williams (Research Associate - Air Quality)** was at Bristol Bright Night to inform attendees about air pollution, its impact on our health and the challenges and solutions involved in reducing it. Ben expressed his belief that it was vital to raise awareness of air pollution for students, staff and the wider public. He described the large Bristol map which his team uses to engage people in discussion about air quality as a way of ‘offering a visual stimulus for a problem that is invisible to the naked eye – a great way of raising awareness’. Bristol Bright Night was a chance for children to participate and engage with researchers across Bristol. ‘Once we got them sat down on our map, we could then talk to them about air pollution’. By offering a place to sit for the youngsters, Ben and the Air Quality Management team at UWE were then able to highlight the issues Bristol faces and what areas of the city suffer most from air pollution. Ben indicated that there were ‘masses of people viewing research that they normally wouldn’t, thanks to Bristol Bright Night. We helped by making an invisible issue visible whilst hopefully maintaining an engaging atmosphere for all that that attended our demonstration’.

Dr Enda Hayes (Associate Professor, Director of AQMRC and Principal Investigator for the Bristol Bright Night initiative) said the event was “a great platform which enabled us to showcase some of the research we have undertaken. It’s important to share our knowledge with the wider public so they can understand the risks they face from air pollution, risks that they probably don’t usually consider. It’s also interesting to hear the views of the public to grasp their knowledge of air pollution in the city and the role they can play in implementing solutions.” Further, he described Bright Night as an opportunity “for researchers from both universities to demonstrate the outstanding quality, diversity and significant impact of their work and its relevance to society both here in Bristol and globally.”

<http://info.uwe.ac.uk/news/uwenews/news.aspx?id=3164> -

Glenn Lyons, Associate Dean (Research and Knowledge Exchange, FET) and Professor of Transport and Society, used the event to explore sustainable transport and how the government decides where to invest in the future. “My activity invited people to explore their views on different plausible futures for connectivity in society (transport, cities, internet). They were then asked to put themselves in the shoes of the chancellor and transport minister and decide how they would invest. It was great to get a sense of strengthening the civic connection of our research and fascinating to be put to the test of communicating science to a very different type of audience. I’m very glad I took part – it stretched me personally and enriched my appreciation of how we communicate our knowledge to the world beyond academia.”

Jim Longhurst, Assistant Vice Chancellor, said “Bright Night provided a great example of the two universities working together to share their knowledge and excitement for research with their home city. Bright Night 2015 was a great success and I hope we are able to run it again in 2016.”

Impact and legacy

Bright Night organisers hope that members of the public were “left inspired by the fantastic research going on in their own city.” The event also help to reinforce links between UWE and the city, both in relation to the sharing of research to inform policy development but also in relation to promoting UWE as a approachable and Bristol-focused organisation.

Project funding

Bright Night is funded by The European Commission. The participation of UWE staff and students is entirely voluntary. Bright Night 2015 received some financial support from UWE Green Capital budget.

Did this activity take place for the first time in 2015? No but engagement by UWE staff and attendance by the public was greatly enhanced by Bristol’s Green Capital status.

Will it happen again beyond 2015? There are now plans to bid to the EU commission in January. If successful, we will run Bright Night in 2016 and 2017.

Relevant Green Capital themes

X	Energy	X	Health
X	Resources	x	Happiness
X	Nature	x	Cities
X	Transport		
x	Food		

Activity type

X	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement	X	Civic engagement
X	Faculty/service actions		Business facing activities
	Academic conferences		Marketing and branding
X	Cultural contribution		Campus sustainability

Public Engagement: Festival of the Future City

Contact

Dee Smart

Description:

The Festival of the Future City – one of Arts Council England supported Exceptional projects – was the largest debate ever about the city and the future ran from the 17th –20th of November. Organisers explained that “cities are the future: more than half of the world's population now live in cities”. Held in venues across Bristol including @Bristol, Watershed and the Arnolfini, this event brought together academics, city planners, artists, writers, filmmakers, games makers, architects, politicians, journalists and commentators, poets, community leaders, businesses, scientists, think tanks and others to debate the future city with the public. The festival was programmed by the Bristol Festival of Ideas with the University of the West of England as an academic partner. UWE experts attended and contributed to a multitude of these events across the duration of the festival.

The aims of the festival were as follows:

- To inspire wide thinking and debate about the future of cities
- To look at examples of good practice in cities that will help promote a better and more resilient, sustainable and prosperous future for all;
- To examine and debate good examples of city futures from the past and what they can tell us now;
- To provide models for future city development;
- To promote debate and discussion about the future city by the widest range of people and organisations.

The event brought together and provided a platform for existing programmes of work – such as Innovate UK, Foresight, Future Cities Catapult and Centre for Cities, amongst others. UWE, as always, offered a large contribution to the schedule of events. A large number of UWE members offered their time to share their expertise to the festival, thus, engaging with the city and educating the audience. On the 17th of November, UWE staff contributed to the health strand of the festival, coordinated by Bristol Health Partners. The event ‘How do we know if cities and neighbourhoods are healthy places?’ included a talk from Sarah Burgess (UWE). ‘Health, housing, places: how can we get better at creating places that support health?’ was attended by Jane Powell (UWE) and Hugh Barton (UWE) who both offered talks. Richard Kimberlee was a speaker for ‘How do we support mental as well as physical health?’

On the 18th, **Jonathan Mosley** spoke on ‘Assemble: The Hand-Made and the Improvised’ which asked whether hand-made, improvised and small-scale interventions have any real impact on the long-term social and political life of a city.

<http://www.ideasfestival.co.uk/seasons/festival-future-city/>

Who organised it?

It was organised by the Festival of Ideas and delivered by Andrew Kelly and his team at Bristol Cultural Development Partnership (BCDP)

Attendance and reach

These events were open to all members of the public.

Over 7,000 people came to listen to 170 speakers during the course of the week and the average attendance rate was 84% of room capacity.

External organisation involvement

The Bristol Festival of Ideas, Arts Council England, Arts & Humanities Research Council, Bristol 2015, Bristol City Council, Innovate UK, Bristol Health Partners, British Council, Business West, Society of Merchant Ventures, University of Bristol.

Evidence (images, multimedia and artefacts)



Assemble: The Hand-Made and the Improvised

Wed 18 November 2015, 18.00-19.30

Arnolfini, Bristol

£6 / £4

Do hand-made, improvised and small-scale interventions have any real impact on the long-term social and political life of a city? Do these projects really benefit those involved, and if so how? Assemble is a team of 18 young architects and designers who seek to champion a working practice that is interdependent and collaborative. They talk about their work, which includes two primary school commissions in Bristol and a project in Liverpool which has been nominated for the 2015 Turner Prize. Followed by discussion with Stephen Knott (Liverpool Hope University) and Jonathan Mosley (UWE).

This event is part of the 'Art in the City' Lecture series, organised by Arnolfini, Bristol City Council, and the University of the West of England. Supported by Bristol City Council.

Case study (participant)

Robin Hambleton (Professor of City Leadership at UWE) gave a talk on 'Leading the Sustainable City', and also chaired a discussion of leadership themes involving Mayor George Ferguson and Assistant Mayor Daniella Radice.

Robin said: 'There is no doubt that European Green Capital 2015 has increased the international visibility of the city. In particular, the international reputation of the city for trying out new ways of making the city more liveable has been enhanced. I say this on the basis of informal feedback received when I have been speaking about civic leadership in other countries. I am involved in a study of the impact of Mayoral governance and have given talks about civic leadership in Ireland, USA, Canada, China and the Czech Republic during 2015'.

Professor Hambleton was also a Keynote Speaker at the major, international City Leadership Summit - Time for Change - held at The Passenger Shed, Bristol, on 23 October 2015. This event, which attracted over seventy city and business leaders from numerous countries, advanced the international conversation about how to make cities greener and more liveable.

Tim Chatterton (Senior Research Fellow) said “The Festival of the Future Cities was my highlight. I was amazed by the vast amount of high quality, critical (and 'left-wing') thought that was presented at the festival. With all that good thinking, how are we still in the state we are as a country? I had a fantastic day and I wish I could have gone to more.”

Impact and legacy

This event had wide reaching impact in terms of planning for and management of future cities. The event also helped to profile UWE’s expertise in urban research.

Relevant Green Capital themes

	Energy		Health
	Resources		Happiness
	Nature	X	Cities
	Transport		
	Food		

Activity type

	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement	X	Civic engagement
	Faculty/service actions		Business facing activities
X	Academic conferences		Marketing and branding
X	Cultural contribution		Campus sustainability

Project funding

The festival had multiple sponsors including Innovate UK.

Did this activity happen for the first time during 2015? Yes

Will this activity happen again beyond 2015? Unknown.

Student Engagement: Your Green Future

Contact Chris Spencer
Description UWE Bristol hosted “Your Green Future” in May 2015, a free, two day event for schools across South Gloucestershire and Bristol. Through a range of interactive workshops and an exhibitor hall, young students had the opportunity to explore the growing job opportunities in a low carbon, resilient economy with over 25 businesses as well as UWE academics and students,. “Your Green Future” kicked off with keynote talks. Students went on to participate in a range of professionally facilitated activities. In each activity, students had the opportunity to work with diverse businesses and education providers. Event supporters include Jaguar Land Rover, Sainsbury’s and Ecotricity. The workshops tackled many key environmental and business related necessities such as: Innovation <ul style="list-style-type: none">• Student ‘Dragons’ decided whether to invest in cutting edge innovations pitched to them by businesses. Business <ul style="list-style-type: none">• Students worked with businesses to develop and enter products into the Future Food and Fashion Awards. Energy <ul style="list-style-type: none">• Students utilised the skills of businesses to develop a sustainable energy plan for Snowdonia National Park. Waste <ul style="list-style-type: none">• Students developed creative and ambitious ideas for meeting an organisation’s waste reduction targets. Exhibition <ul style="list-style-type: none">• Students were tasked with identifying the range of organisations and jobs involved in sustainability
Who organised it? University of the West of England co-organised it with Severn Wye & South Gloucestershire Council
Attendance and reach 440 students, from 15 local secondary schools, had the chance to work alongside 34 businesses and 16 university students
External organisation involvement Glastonbury Festivals, Ecotricity and University Hospitals Bristol. Wyke Farms, River Cottage and the Better Food Company, Airbus
Evidence (images, multimedia and artefacts)



Case study (organiser) :

Patrick O’Flynn (Senior Lecturer: Building Services and Energy Management) stated ‘I believe this outreach to be one of the best career advice events in the region.’

UWE lecturers provide content for the ‘carousel of activities’ that are performed at Your Green Future. Chris Spencer (Senior Lecturer for Geography and Environmental Management) praised the event for “taking students across a range of ages and showing them how relevant the problems shown to them to our world and careers. It explained how the issues with geography and the environment have a relevance to date, and that all areas of employment can have a green and environmental dimension.”

Case study (participant) :

Lauren Winfield (Architectural Technology and Design student and Green Ambassador) explained the educational benefits she gained from working at this event. Also a recognized “Change Maker”, Lauren does as much as she can for sustainability such as cycling to university and recycling where relevant. She helped students design the best ‘eco house’ and dab their hand in fashion with recycled material. Commending the event, she stated ‘it made students understand why we act sustainably and emphasised the importance of green living.’

She praised her faculty leaders for promoting the Green Capital through emails, and this how she was made aware of the event which she described as ‘a really interesting day that I learnt a lot from!’ One thing that she found particularly memorable was the energy efficient aircraft proposed by Airbus which she ‘never considered before’.

Lauren also undertook an ‘eco project’ for her university course. Similar to the “Your Green Future” tasks, they had to design an environmentally friendly house that could be implemented in Bristol. The Green Capital contributed to the motivation of this project massively, as her whole city was

wrapped in an eco-constructed bubble. She could create a direct link to what they had achieved and how it compared to Green Capital's intentions. Overall, she believed the Green Capital year 'makes you more conscious of what you are doing...It makes you stop and think "I need to do more" and it encourages a cross generational difference'. Lauren has ambition to work in an eco-driven industry and believes this experience has improved her determination in achieving this.

Impact and legacy

The students who attended later filled out an evaluation form to record the impact that this event had on the future generation. Before the event, 87% of students believed it was important that we create a low carbon, sustainable future; whereas after the event 93% agreed.

Creating a low carbon, sustainable economy will generate job opportunities 61% before, 84% after
 Businesses play an important role in driving forward a low carbon economy 65% before 88% after
 would like to get a job that helps towards improved sustainability 33% before 65% after
 78% either agree or strongly agree that they should learn more about sustainability in school.

91% of students enjoyed the event, 93% learnt new things, 86% would like to do something like it again, 88% now understand more about what engineering is and 85% had a better understanding of what engineers do.

Relevant Green Capital themes

X	Energy		Health
X	Resources	X	Happiness
X	Nature	X	Cities
	Transport		
	Food		

Activity type

X	Student impact and engagement		Research and knowledge exchange
X	Staff engagement	X	Civic engagement
X	Faculty/service actions		Business facing activities
	Academic conferences		Marketing and branding
	Cultural contribution		Campus sustainability

Project funding

UWE provided R-Block for free, offered funds to help run the event and provided ambassadors to work during it. The event was part funded from UWE's Green Capital budget.

Did this activity happen for the first time during 2015? No but involvement of UWE students was increased by Green Capital awareness.

Will this activity happen again beyond 2015?

Yes another event will be held on Tuesday 17th and Wednesday 18th May 2016 at the University of the West of England (in the Department of Architecture and the Built Environment).

Student Engagement: Green Youth & Student Day

Contact Jamie Darwen
Description Green Youth Day (20 th April) was led by an advisory group of young people. It was a day which addressed issues recognized by the group as important to them and their friends. Subjects included: <ul style="list-style-type: none">• the science of climate change• protecting wildlife and the oceans• human rights; the clothes we wear• equality• how to campaign successfully• why questioning the establishment is essential. <p>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.</p> <p>The UWE journalism team set up a ‘student blogging’ campaign to document the events of the day. This gave our students the opportunity to gain live experience in the world of reporting and blogging whilst engaging with a green capital event.</p> <p>The Bristol Festival of Ideas held a Student Day (21st April) 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.</p> <p>Both events were held at Colston Hall and At-Bristol.</p>
Who organised it? Bristol 2015 and the Festival of Ideas
Attendance and reach Over 1,000 young people attended the Green Youth Day. 100 Students from Bristol’s universities attended the Student Day, including UWE Bloggers
External organisation involvement At-Bristol, Knowle West Media Centre, Creative Youth Network and Temple Records all supported these events.
Evidence (images, multimedia and artefacts) UWE Journalism blog: http://uwejournalism.net/arnoldas_saltmiris/bristol-green-youth-day-2015-its-our-future/ http://livestream.com/accounts/5190079/greenyouthday/videos/84567580 http://www.ideasfestival.co.uk/blog/bristol-european-green-capital/bristol-2015-green-youth-day/
Case study (participant) :

A team of UWE 'bloggers' were present at Green Youth Day to record the day's events. In their final report, they explain "subjects covered on the day ranged from human rights and the real cost of the clothes that we wear, to climate change and protecting wildlife. As well as the talks from musicians, artists and activists from all around the world, all four floors were filled with a host of different activities, workshops allowing the attendants to create, learn new skills and interact with the speakers." Before stating "the sombre and serious tone of some of the talks showed that, despite the audience young age they were not being talked down to and instead were respected enough to make up their own minds when presented with the raw facts."

http://uwejournalism.net/arnoldas_saltmiris/bristol-green-youth-day-2015-its-our-future/

Impact and legacy

About the Student Day, Andrew Garrad, chairman of Bristol 2015 felt that the event gave "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."

Relevant Green Capital themes

X	Energy		Health
X	Resources		Happiness
X	Nature	X	Cities
X	Transport		
X	Food		

Activity type

X	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement	X	Civic engagement
	Faculty/service actions		Business facing activities
	Academic conferences		Marketing and branding
	Cultural contribution		Campus sustainability

Project funding

This project was not funded by UWE.

Did this activity happen for the first time during 2015? No

Will this activity happen again beyond 2015? Unknown.

Student Engagement: Students' Unions Green Capital Showcase

Contact

Laura-Kate Howells

Description:

This was a collaborative event between the Students' Unions at UWE and the University of Bristol to showcase ways in which students can benefit organisations in the city. Held in central Bristol at the Bristol 2015 Lab on the evening of the 8th of October, organisers hoped to attract the public, students and organisations. Those that attended could view the variety of events and projects that have been led or helped by either university.

Who organised it?

Staff at the two students' unions.

Attendance and reach

Stall from both universities attracted a steady stream of passers-by. Andrew Garrad came by to offer his support to the projects.

External organisation involvement

The event was supported by Bristol 2015.

Evidence (images, multimedia and artefacts)





Impact and legacy

The core intentions of this event were to promote the activities of projects designed to link students with the city. There is potential to enhance achievement, productivity and to help shape the city's sustainable mind-set.

Relevant Green Capital themes

	Energy		Health
	Resources	X	Happiness
	Nature	X	Cities
	Transport		
	Food		

Activity type

X	Student impact and engagement	X	Research and knowledge exchange
	Staff engagement	X	Civic engagement
	Faculty/service actions		Business facing activities
	Academic conferences	X	Marketing and branding
X	Cultural contribution		Campus sustainability

Project funding

This event was supported by UWE, Bristol and the University of Bristol.

Did this activity happen for the first time during 2015? Yes

Will this activity happen again beyond 2015? No

Student Engagement: Tree Party Eco Festival

Contact

Leyth Hampshire - Organiser

Description:

What happened:

The University of the West of England hosted 'The Tree Party Eco Festival' on the 28th of September 2015. This event was organized by the SU to provide a vehicle for sustainability-focused local projects and organisations to come together for a celebratory event and for awareness raising. Each of the attending organisations had one thing in common – their passion and aspiration to encourage a more sustainable and eco-friendly city on behalf of 'Bristol European Green Capital 2015'. The festival was located in an ideal setting outside the new Students' Union. There were approximately fourteen organizations present, each showcasing their own stands, activities and complimentary gifts to enhance the sense of community created at the event. Students were guaranteed a fresh insight into the efforts of Bristol European Green Capital 2015. They were informed of upcoming events, multiple organizations, ways in which they can become more environmentally friendly and the opportunity to get involved and influence the future.

Due to its location, the event attracted the attention of students without a previous sustainability interest and thus extended the reach of UWE's Green Capital activity. Items were sold to provide an immediate impact for certain charities such as Lifecycle UK, but awareness raising was the primary purpose of the festival. Attendees were encouraged to make 'pledges' to a small act in a big step of embracing sustainability and environmentally clean habits.

Who organised it?

Leyth Hampshire (Students' Union Sustainability Officer)

Attendance and reach

Approximately 300 staff and students attended the event and nearly 100 people were reached by the UWE Green Capital team at the event.

External organisation involvement

Bristol Nature Network, Bristol Parkhive, Lifecycle Bristol, Better By Bike, Bristol Green Capital 2015, Refill Bristol, Cities of Service, True Fair and The High Breed all attended.

Evidence (images, multimedia and artefacts)







Contact Georgina Gough for more.

A video of the day can be viewed - https://www.youtube.com/watch?v=B9I9h_IBf1Q&app=desktop

See also: https://twitter.com/Bristol_2015/status/648829420648722432

Case study (organiser) :

Leyth Hampshire (Students Union Sustainability Officer) organised the event and was proud of his effort to 'try something different' to engage students in sustainability. The aim for the festival was to 'raise collective awareness of students around sustainable development and green movements.' In keeping with the Green Capital intentions, he hoped the event would be a 'catalyst for change' by 'flooding' students with different organisations. He argued 'creating a festival atmosphere around sustainable development education is a great way to inform students'. Although 'very successful' he wished for a slightly higher footfall.

In terms of impact from the Green Capital title, Leyth can identify a 'higher student union engagement'. Also, it helped his organisation of the event hugely. He believed that the festival's connection to Green Capital enticed more organisations to attend. He used this as 'leverage to gain organisations' who all contributed to the event. He had no doubts that Bristol and UWE would capitalise on Green Capital, and that 'Bristol can be the catalyst for other cities in the country.'

Doing what he can to be sustainable in his day-to-day life, Leyth's intentions are for 'big things to make a bigger change'. One of his priority concerns is encouraging people to turn vegetarian; something he believes will have a 'massive impact' on the environment. As this event was based around organisations, he would like to focus on sustainable foods and people's eating habits. This is why a one day vegan food festival is commissioned for Feel Good February. He believes people's food habits are the 'biggest challenge to change as it is such a big thing to ask of people'. Major organisations tend to focus on simpler things such as turning off lights to save electricity because people are hugely more reluctant to give up meat, but Leyth envisions a massive impact if people just gave up meat once a week. He would also like the university to ensure an 'embodying, embedding and imprinting' of sustainable development into the curriculum.

Case study (participant) :

One participant pledged to start cycling to university and to eat less meat. He claimed "Today has been great! I've learnt so much about Green Capital and how UWE have been involved ... And, I've done it whilst enjoying a drink in the sun!"

Impact and legacy

It is estimated that between 300- 500 people attended but Leyth feels the festival could've enticed even more students to engage with the activities. Despite this, the Eco Fair had an impact on the record number of sign-ups for the Green Team and the attendee list at the Green Team meetings.

Relevant Green Capital themes

X	Energy	X	Health
X	Resources	X	Happiness
X	Nature		Cities
X	Transport		
X	Food		

Activity type

X	Student impact and engagement		Research and knowledge exchange
X	Staff engagement	X	Civic engagement
	Faculty/service actions	X	Business facing activities
	Academic conferences		Marketing and branding
X	Cultural contribution	X	Campus sustainability

Project funding

The Eco Fair was funded by the SU at UWE, in part from the receipt of funding from UWE's Green Capital budget.

Did this activity happen for the first time during 2015? Yes

Will this activity happen again beyond 2015? There are plans for a very similar event but nothing confirmed yet.

Student Engagement: Volunteering Fair

Contact

Jamie Darwen

Description:

The description for this event can be read in the Volunteering report but this contains event specific information such as photos.

Who organised it?

UWE Volunteering

Attendance and reach

Students and staff

Numerous community organisations, local, national and international.

External organisation involvement

Organisation present included: One Tree Per Child, Splatts Abbey Wood Conservation Group, Sims Hill Community Woodland, Growing Support, Green Space, Windmill City Farm, National Trust Tyntesfield, Azafady Madagascar, UWE Green Team, Bristol Energy Co-operative, BCR NP Streetscene Group

Evidence (images, multimedia and artefacts)



Twitter

Storify

<https://storify.com/communityhub/uwe-volunteering-fair-2015>





Case study (participant) :

UWE student Thomas Haines attended the Volunteer's Fair. The Environmental Sciences student wants to help 'save the planet' and he was enthusiastic to volunteer on behalf of one of the projects available to him. He explained how people keep mentioning future generations but he wants to start 'doing things now' to help the environment. He wants to 'act locally before acting globally'. The volunteering fair provided him with a number of opportunities to consider for taking action now.

Impact and legacy

The fair enables students to learn about a large number of extra-curricular activity opportunities and organisations to recruit support, through volunteering time, for their causes.

Relevant Green Capital themes

X	Energy	X	Health
	Resources	X	Happiness
X	Nature	X	Cities
	Transport		
X	Food		

Activity type

X	Student impact and engagement		Research and knowledge exchange
X	Staff engagement	X	Civic engagement
	Faculty/service actions		Business facing activities
	Academic conferences		Marketing and branding
	Cultural contribution	X	Campus sustainability

Project funding

The Volunteering Fair is organised by the UWE Student Enrichment and Experience team.

Did this activity happen for the first time during 2015? No although there was a stronger focus on sustainability-related organisations and opportunities at the 2015 fair.

Will this activity happen again beyond 2015? Yes.

Business Engagement: Environmental iNet

Contact

Ian Brooks

Description:

The Environmental iNet supports SMEs in the environmental sector. This support primarily takes the form of advice, consultancy, events and networking opportunities. One such event was 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. This event invited representatives from SME's in the region to learn about sustainable business adaptations.

The meeting explored funding and business opportunities in the fuel cells and hydrogen space. The benefits of using fuel cells and hydrogen in heat, power and transport applications were examined through various case studies. An update was provided on the roll out of hydrogen infrastructure and an examination of how markets are developing completed the day.

The event helped SMEs and other companies understand and access the opportunities offered by hydrogen and fuel cells and the important role provided by local authorities and other public procurers in supporting development of new markets and in stimulating sector development and growth.

Another related event was a talk and panel debate titled "Energy literacy - what does it mean for your practice?" chaired by UWE Professor Bill Gething. This session 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 the latest findings of a University of West of England research project carried out by Dr Sonja Oliveira (Senior Lecturer Architecture), Elena Marco (Head of Department Architecture and the Built Environment) and Prof Bill Gething (Professor of Architecture) examining the shaping of energy literacy in architectural education.

Further Environment iNets events included:

- UWE Electric Vehicle Innovation Hydrogen mobility
- UWE Unlocking innovation
- UWE Green economy
- Business Models for Sustainability, 1 day workshop
- Connecting Rural / Land-based Products to Urban Markets using Lower Carbon Logistics and Smart Technologies
- Innovation in the Low Carbon sector
- George Monbiot and Rewilding business round table
- Bristol Hotel, Going Green event as part of Big Green Week, succession and future opportunities for Environmental Goods and services businesses

Who organised it?

Environmental iNet

Attendance and reach

- Local authorities and other public sector bodies
- SMEs and their supply chain
- Energy and transport companies

- Government departments
- Press and Media

External organisation involvement

South West Environmental iNet, the Association of Public Sector Excellence, the Knowledge Transfer Network and the UK Hydrogen and Fuel Cell Association.

Evidence (images, multimedia and artefacts)



Ian Brooks of the Environmental iNet, UWE, Bristol.



<http://www1.uwe.ac.uk/business/innovationandfunding/inets.aspx>

Case study (organiser) :

Ian Brooks of the Environmental iNet stated that although the initiative that began before the 2015, the Green Capital has enabled an active delivery right in the middle of the year. "Green Capital has been a great vehicle for continuing engagement in an effective way". Continuing his praise, Ian

claimed it has been “a boom for us”. The Bristol 2015 activity calendar has been a “driving” mechanism to encourage larger audiences and the “Green Mingles” have been great in enticing more participants.

Impact and legacy

Although European funding has ceased, UWE will maintain the work developed through the iNet into the future. Ian believed that these workshops helped in “providing encouragement and skills to those with a good green idea”.

Relevant Green Capital themes

X	Energy		Health
X	Resources		Happiness
	Nature	X	Cities
	Transport		
	Food		

Activity type

	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement	X	Civic engagement
X	Faculty/service actions	X	Business facing activities
	Academic conferences		Marketing and branding
X	Cultural contribution		Campus sustainability

Project funding

The iNets were primarily funded by European funding with support for events from UWE.

Did this activity happen for the first time during 2015?

No

Will this activity happen again beyond 2015?

Following the successful conclusion of the iNet project UWE’s Research, Business and Innovation (RBI) Department are now managing the network of SMEs and other bodies developed by the iNet in its 5 years of operation. RBI now provides a an advisory and support service to the network ensuring an appropriate and targeted level of support for environmental innovation across the sector in the SW.

Green Capital Walks - Thinking about Bristol differently

<p>Contact Pam Seanor</p>
<p>Description: What happened: On the 28th of July, Pam Seanor (Senior Lecturer of Strategy and Enterprise) invited people engaged or interested in the Green Capital Initiative to start <i>thinking about Bristol differently</i>; to walk & talk about Bristol as European Green Capital. This was one part of the project; they then invited 3 differing community groups to walk in their neighbourhoods, to share their ideas and talk about what they do in the city. For these later events they were especially seeking the voices of those not engaged in Bristol Green Capital events and projects. For the initial walk, Pam had created a map and route whilst posing questions to open up conversation on Green Capital themes. Such questions included:</p> <ul style="list-style-type: none"> • 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 (examples were shown)? • How might these lead to new stories of change in cities? <p>They wandered from the Trinity Centre to the Frome River, St Matthias Park and back onto Old Market discussing key ideas along the way.</p>
<p>Who organised it? Pam Seanor</p>
<p>Attendance and reach Approximately 25 UWE staff and members of Bristol organisations and the city council attended these walks.</p>
<p>External organisation involvement ECO MEDIA filmed the event which was funded by the British Academy and Leverhulme Trust</p>
<p>Evidence (images, multimedia and artefacts) Ecomedia collective have produced the following film: https://www.youtube.com/watch?v=AHnn2RvVKVk</p>
<p>Case study (organiser) : For "Thinking About Bristol Differently", Pam was "trying to do something different to the original Green Capital themes. We wanted to ask how do we have different conversations? How do we take the work being done in Bristol forward? This was the beginning, to get people to open their minds and ask how do we change? We invited many people with different backgrounds to engage various perspectives. People sometimes become tied up by the meaning of sustainability." She believed that "having the spotlight on Bristol made it too insular, difficult to look outward. How can we connect more? How do all these other threads from the city come together?" "The wanders enabled fragmented groups to congregate, specifically people who weren't already heavily involved with the Green Capital. We wanted to explore different ideas that weren't just the Green Capital themes. It gave people who act sustainably the opportunity to say 'this is great, what I do really matters.'" More walks are expected in 2016 with a major event hopeful of being held in October.</p>
<p>Case study (participant) : The walkers entered many parks and recreational areas on their way and one participant who joined</p>

the walk claimed that 'every single green space is to be fought for'. It was hoped that events like this would enable people to realise the amazing spaces available to them in Bristol.

Impact and legacy

They hope this small research project sparks some engaging conversations and walks about Green Capital Initiative which could inform the shape of current and future projects.

Relevant Green Capital themes

	Energy	X	Health
	Resources	X	Happiness
X	Nature	X	Cities
X	Transport		
	Food		

Activity type

	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement	X	Civic engagement
X	Faculty/service actions		Business facing activities
	Academic conferences		Marketing and branding
	Cultural contribution		Campus sustainability

Project funding

This project was partly funded by the British Academy and Leverhulme Trust.

Did this activity happen for the first time during 2015? Yes

Will this activity happen again beyond 2015?

In Spring 2016 a session will be held that brings together the different ideas, stories and images collected on the walks. All those involved in the project will be invited to this event. The gathering offers participants the opportunity to share their views of Bristol and listen to those of others. A short-video of the walks and discussions will be shown. There will also be a project report available for all those involved.

Women in Engineering

Contact

Catherine Hobbs

Description

Media release

On the 30th of June, Year 12 girls were invited to the "Women in Engineering Schools Residential event" to explore engineering in an open, friendly and interactive environment. The event was built around a Green Energy Challenge - what are the engineering challenges we face in generating green energy? 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, which links to Bristol being Green Capital of Europe 2015, 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 the green energy topic in Bristol. The event culminated with a chance to present their work to each other and to a panel of experts.

Following this, 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. 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.

For more information please visit <http://nearyou.imeche.org/near-you/UK/Western/event-detail?id=11345>

Twelve participants completed the two day Summer School in July 2015. Eleven participants stayed in student accommodation overnight as part of the experience. Eight participants were from schools or colleges local to UWE Bristol and four from farther afield; Devon; Hampshire; Redditch.

Who organised it?

This event was conceived by staff in UWE's Department of Engineering Design and Maths but organised by the UWE Recruitment and Outreach Team.

Attendance and reach

Year 12 girls

Twelve participants completed the two day Summer School in July 2015. Eleven participants stayed in student accommodation overnight as part of the experience. Eight participants were from schools or colleges local to UWE Bristol and four from farther afield; Devon; Hampshire; and, Redditch.

Evidence (images, multimedia and artefacts)

Alternative Energy

Microbial Fuel Cells

Aims

- Provide renewable energy for developing countries
- Lower cost of waste water treatment
- Power robots sustainably
- MFC's can clean waste

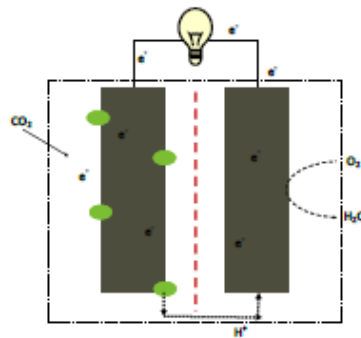
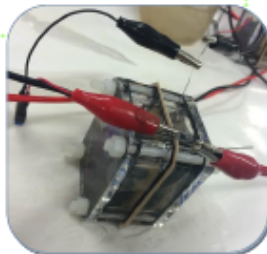
Materials and Methods

How we built it

1. Carbon fibre- cheap materials
Biodegradable materials can be used- gelatine, ceramic
2. Measured voltage

What can an MFC anode contain?

- Waste water
- TYE (Tryptone + Yeast Extract)
- Urine



Results

Found out that voltage produced increases over time.

Power produced :

$$I = V/R$$

$$P = IV$$

From these equations we found that we created roughly 240µW for each cell after 12 hours.

Conclusion

- Makes electricity for free from waste materials
- Can charge mobile phones, lights, robots
- Reduces carbon footprint (water captures CO₂)
- Cleans waste making clean water



Poster produced by participants of the Women in Engineering Summer School.

Case study (organiser) :

Catherine Hobbs (Head of Department for Engineering Design & Mathematics) described the event as “the department’s major contribution to the Green Capital year. We feel it incredibly important to educate Year 12 girls on the importance of sustainable behaviour and the benefits of a career in engineering. By ensuring a ‘Hands on’ approach the girls could demonstrate their growing knowledge of the sustainable solutions in Engineering.”

Impact and legacy

The Summer School experience helped all participants in deciding if a future career in engineering was for them, through a better understanding of the areas of engineering they were most interested in, to feeling more confident about making an application to study a related subject in higher education. The challenges were related to renewable energy and influenced by Green Capital. The feedback from the event suggests that the participants were enlightened to the importance of sustainable behaviour and the benefits of a career in engineering.

All participants either agreed, or strongly agreed, with the following statements;

* Summer School has given me a real feel of what it is like to be a student at UWE Bristol

* I have a better appreciation of what I would be letting myself in for if I study engineering.

The Summer School experience helped all participants in deciding if a future career in engineering was for them, through a better understanding of the areas of engineering they were most interested in, to feeling more confident about making an application to study a related subject in higher education. Below is a selection of their comments on the event.

The main thing(s) I got out of Summer School...

- I got to talk to a lot of students about their courses and experiences and what to expect from courses
- Experience of staying on campus, hands on experience in building renewable sources of energy
- The different types of engineering and what they involve. What uni life is like.
- That engineering is a much wider career path than I thought
- I learnt a lot about engineering, talking to other students was very helpful and interesting
- A different view of engineering I'd never considered before
- I learnt about the practical uses of engineering and how different things are tested and improved.
- Having a better understanding of why engineering is most needed.

Best part of Summer School...

- The practical work we did in labs for solar power, making the plane etc. was really fun (and the food!)
- A chance to learn different parts of engineering, and talking to uni students about engineering.
- Talking to alumni and students.
- Working with new people on a project together
- It was so much fun and the teachers were so helpful and friendly.
- How hands on it was made it so good, making the plane and solar oven.
- Working on presentations and making prototypes
- Hands on lab work – I've never really experienced it before and it was fun and informative

Relevant Green Capital themes

X	Energy		Health
	Resources	X	Happiness
	Nature		Cities
	Transport		
	Food		

Activity type

X	Student impact and engagement		Research and knowledge exchange
X	Staff engagement	X	Civic engagement
X	Faculty/service actions		Business facing activities
	Academic conferences		Marketing and branding
	Cultural contribution		Campus sustainability

Project funding

The summer school was supported in part by UWE's Green Capital budget.

Did this activity happen for the first time during 2015? Yes

Will this activity happen again beyond 2015? Yes, again in 2016

The Bristol Method

Contact

Katherine Symonds-Moore

Description:

The Bristol Method was created to offer information and understanding of Bristol's 40 year journey in pioneering sustainable living (which has gained momentum over the last five to ten years). It highlights the many dangers that threaten us, and by using Bristol as a case study, analysed ways in which we can combat these threats. The Method is a knowledge-transfer programme aimed at helping people in other cities understand and apply the lessons that Bristol has learned in becoming a more sustainable city, not just in 2015 but over the last decade. Made up of a series of modules, or chapters, each one is presented as an easy-to-digest 'how to' guide on a particular topic, which use Bristol's experiences as a case study. The modules contain guidance and suggestions that each reader can modify to their own circumstances. Many UWE academics contributed to the Bristol Method with hope of educating people on the issues they face and ways in which they can make a change. The Method meets two of the goals set out by Bristol 2015, those being international reach and sustainability leadership. It hoped to:

- **Motivate and empower** other local governments across the UK and the world to learn from Bristol's journey to become more sustainable;
- **Demonstrate and quantify the benefits** of the EGC award in order to inspire other cities to apply for it.
- **Grow Bristol's global profile** as the UK's most pioneering, sustainable city region;
- **Build awareness of and pride in** Bristol's sustainability achievements and leadership;
- **Increase Bristol's appeal** to investors.

For more, see <https://www.bristol2015.co.uk/method/>

Modules with the Bristol Methods are organised under the following categories:

Transforming the city

These modules will help you think about how to set a vision for the future of your city, unlock funding to achieve it, and then measure success.

European Green Capital: *Learn more about how we won the bid and chose to celebrate our year in the spotlight.*

Economy: *Find out how Bristol is promoting the green economy, championing a local currency and getting small businesses involved in sustainability.*

Energy: *Bristol City Council is pioneering projects to generate renewable energy, insulate people's homes and set up a municipal energy company.*

Transport: *Here you'll find modules on how to get people to walk, cycle and use public transport more often, as well as information about how to reduce traffic and make cities more 'liveable'.*

Resources: *This section contains information about promoting reuse and reducing food waste, increasing recycling rates and putting on sustainable events.*

Food and nature: *These modules will help you understand how Bristol has protected green spaces and worked hard to be a more sustainable food city.*

The Method is intended to showcase the local excellence and celebrate Bristol's leadership, UWE

has expertise in many of issues highlighted by the Bristol Method. The chapter titled “How to reduce traffic and its impacts” was a collaboration between UWE academics and Bristol organisations. UWE contributors were: **Dr Jo Barnes** (Air Quality Management Resource Centre), **Professor Graham Parkhurst** (Centre for Transport and Society), **Dr Miriam Ricci** (Centre for Transport and Society), **Dr Caroline Bartle** (Centre for Transport and Society) and **Dr Steve Melia** (Centre for Transport and Society). This module explains how “congestion leaves Bristol with some of the lowest peak hour traffic speeds of major UK cities and air quality fails to meet national and EU standards in much of the centre.” It looks at “the air quality impacts and the traffic reduction interventions which are being used to improve the situation.”

UWE influence was also found in the module “How to protect and enhance green spaces in a city”, which uses the UWE-led **Bristol Parkhive** project as a case study. This module praised Bristol as “a hub for naturalists, with many wildlife and nature organisations headquartered here, as well as leading academic research and courses at Bristol University and the University of the West of England, and a nationally important natural history collection held by Bristol's Museums and Galleries”.

UWE’s **Billy Clayton** was the author for the module “How to increase public transport use” and **Laura-Kate Howells** (Green Team Coordinator) contributed to the Bristol Method chapter entitled “How to empower and engage youth” which used UWE Green Team as a case study. She was quoted as saying “It’s inspiring to work with students who are standing up and demanding change and who are equipped with the drive and passion to create innovative solutions. I am proud to be part of a university that is harnessing that passion and providing students with a platform to turn their ideas into a reality.” **Jamie Darwen** (Head of Student Experience and Enrichment) also contributed to this chapter with the case study of “encouraging volunteering”. Visiting Research Fellow Dan Black and Jim Longhurst (AVC, Environment and Sustainability) co-authored the module “How to create cities that are good for people and the planet” which drew upon the experience of UWE’s WHO Collaborating Centre for Healthy Urban Environments to explore how cities can be designed, built or regenerated to be healthier and more sustainable places.

Who organised it?

Katherine Symonds-Moore on behalf of Bristol 2015

Attendance and reach

UWE staff contributed to the content of many modules. The chapters are available to all members of the public but are primarily intended to be used by other cities in promoting sustainable leadership, engagement and change.

External organisation involvement

Led by Bristol 2015, the Bristol Method has been developed in conjunction with many organisations across Bristol.

Evidence (images, multimedia and artefacts)



The modules can be viewed at <https://www.bristol2015.co.uk/method/>
<https://www.youtube.com/watch?v=l6jH3OhHEs0>

Katherine Symonds-Moore introduces The Bristol Method, a comprehensive and free resource documenting the shared learnings and expertise drawn from Bristol's year as European Green Capital.

Case study (organiser) :

Katherine Symonds Moore (Project Manager of the Bristol Method) said “The purpose of the Bristol Method is to share Bristol's knowledge about sustainability with a global audience, helping others to replicate the city's successes and learn from the challenges it has faced. The contribution of the academic community has been central: many different people at UWE have contributed case studies about a particular topic and two have authored complete modules from scratch.”

“The practical nature of so much of UWE's work has added huge value. In a number of instances, the academic writing about a particular subject has also been closely involved with the work itself at the city level, either as a consultant to Bristol City Council or as a member of a Green Capital Partnership subgroup. I was delighted by UWE's enthusiasm for this project. From the outset, Jim Longhurst and his team have been proactive supporters of the Bristol Method, initially helping to shape the strategic approach and then putting me in contact with the relevant people throughout the university. The project has benefited hugely from UWE's support.”

Case study (participant) :

Jo Barnes (Research Fellow at the Air Quality Management Resource Centre and Programme Leader for MSc Environmental Management) coordinated the module “How to reduce traffic and its impacts” for The Bristol Method. The chapter had an ‘air quality focus with wider impacts incorporated too’. Jo believed that ‘on the whole, our work for the Bristol Method was a good overview of things that have been done in Bristol to reduce the impacts of road traffic.’ She thought that higher education research can play an important role when working with the city as it provides an external view of how city council departments such as the transport, planning and environmental health work together. The Bristol Method enabled Jo’s team to ‘highlight the links between these departments and the potential for further co-operation.’

Jo hoped that her chapter would help in ‘raising awareness’ of traffic impacts and offer ‘information at an authoritative level’ for local authorities outside of Bristol. Altogether, Jo sees higher education’s role in helping a city become more sustainable is by ‘providing the academic and evidence based research’ on relevant issues. They can provide an ‘independent evaluation overview’ and ‘contextualise’ the topics. For example, air pollution is an ‘invisible problem’ that in Jo’s view ‘does not get enough political and public attention’, even though there are approximately 50 000 deaths nationally a year and more than 188 in Bristol. With this in mind, the Bristol Method and The Green Capital year can offer many benefits to Jo’s expertise as she believes ‘anything in the public realm helps to push the political agenda and therefore influences decision making and encourages behaviour change.’

Impact and legacy

UWE will continue to support the Bristol Method after the Green Capital comes to a close. The method is intended to help and support other cities including future Green Capitals, to become more sustainable.

Relevant Green Capital themes

X	Energy	X	Health
	Resources	X	Happiness
X	Nature	X	Cities
X	Transport		
	Food		

Activity type

	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement	X	Civic engagement
X	Faculty/service actions		Business facing activities
	Academic conferences		Marketing and branding
X	Cultural contribution		Campus sustainability

Project funding

The Bristol Method was funded by Bristol 2015.

Did this activity happen for the first time during 2015? Yes

Will this activity happen again beyond 2015? No, although the Bristol Method will remain accessible.

UWE Internal Communications and Marketing

Contact

Tsara Smith / Liz Broadbent

Description

UWE's Internal Communications team provides the University with professional expertise and advice on communicating internally with UWE staff. The team have provided comprehensive coverage of UWE's Green Capital activity to help increase awareness and enhance participation. Lead by Tsara Smith (Internal Communications Manager), the internal communications team have been 'supporting the communications to staff about Green Capital. Including what it is, why it's important, how they can get involved, attend events and much more.' They are a key driver behind UWE's efforts to engage students and staff in Green Capital activities. Without them, many people would have been unaware of key events occurring throughout the year, and less change would've been made.

Who organised it?

UWE Internal Communications

Attendance and reach

The content reaches out to anyone who uses Internal Communications channels. Green Capital news stories received a minimum of 6613 hits.

The Voice magazine is distributed across the university, with around 2,700 copies being printed (on carbon neutral paper from responsible sources).

Evidence (images, multimedia and artefacts)



The city event was packed with people

Bristol Green Capital – in it for good

Bristol's year as European Green Capital has started with a festival feel that will continue throughout 2015 and beyond.

A UWE launch in January officially marked the start of the university's activity, with people piling into the Octagon to get talking, sharing and learning. The fun was spread across campus by musicians and ambassadors in the cafés, helping to raise awareness of the event and the year of celebration ahead.

A second event in the city was organised by UWE Students' Union and the University of Bristol. The evening brought

together a whole host of community organisations to showcase their Green Capital projects.

"The place was so packed that people couldn't get in," said Laura-Kate Howells, UWE green leader

co-ordinator. "We had music, food and activities and there was a real sense that this was just the start of something.

"We're planning so many events, projects and initiatives throughout the year – we hope this is a year when every single student finds something that gets them interested, proactive and passionate about sustainability."

There is something for everyone this year: panel discussions, cultural events, volunteering, campaigns, distinguished addresses, lectures and more.

"The Festival of Nature, Food Connections, Bristol Bright Night and the Festival of the Future City all give us an opportunity to engage new people in Green Capital year," said Dee Smart from research, business and innovation.

"UWE is really driving forward this agenda with our partners and I'd urge all staff to keep checking in the Bristol Green Capital section of the events diary and the Bristol 2015 website www.bristol2015.co.uk as more opportunities are arising every day."

See page 23 to find out what green events are coming up.

In it for progress

In it for the future

Extract from The Voice internal communications magazine March 2015
(See: <https://docs.uwe.ac.uk/ou/Communications/Documents/Voice/2014-15/Voice%20Issue%2016%20-%20March%202015.pdf>)

Case study (organiser)

Tsara believes that the Green Capital "has given us a great amount of interesting content and has allowed us to highlight topics that would otherwise be difficult to engage staff with." She further reflected that "It has given me more work, but all good stuff and very worthwhile! I am now more conscious than ever of the breadth of the topic of sustainability as being more than just about 'green things'". She continues that the key to effective communication is planning and that a challenge of 2015 has been the pace at which events and activities have developed. However, her team were proactive in seeking out information and responded promptly where possible to communication needs of those leading UWE's Green Capital involvement.

Impact and legacy

The Green Capital has facilitated 'relationship and knowledge building for me and by proxy the rest of internal communications. I can also refer people to the contacts I have made when they have queries or ideas or I think they could benefit from an input on sustainability. Hopefully I am now better known by those working in the area of sustainability so I can support future projects from an early stage and more effectively.' Tsara Smith, Internal Communications.

Relevant Green Capital themes			
X	Energy	X	Health
X	Resources	X	Happiness
X	Nature	x	Cities
X	Transport		
X	Food		
Activity type			
X	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement	X	Civic engagement
X	Faculty/service actions	X	Business facing activities
X	Academic conferences	X	Marketing and branding
X	Cultural contribution	X	Campus sustainability
Project funding			
This work formed part of UWE's normal internal communications activity.			
Did this activity happen for the first time during 2015?			
Our coverage of Green Capital happened for the first time in 2015.			
Will this activity happen again beyond 2015?			
We will continue to support UWE's sustainability agenda.			

The Earth Champions' Foundation

Contact

Ben Williams and Gem Haywood

Description:

Earth Champions are individuals and organisations who dare to be different, inventive and courageous. They are doing positive work for our environment and wellbeing, often without recognition or reward." <http://www.earthchampions.org/>

UWE were designated an 'Outstanding Earth Champion' in 2015 for the university's contribution to the sustainability agenda. Professor Jim Longhurst and Dr Ben Williams were filmed as part of a Bristol Earth Champions film specially prepared for the Conference of Parties (COP) 21 climate meeting in Paris. They represented UWE's contribution to addressing the challenge of air pollution within Bristol and beyond.

The 22nd of October was designated "Earth Champions Random Acts of Kindness Day". The first of its kind, UWE actively supported the initiative. The SU offered students and staff the chance to win a £60 Ticketmaster voucher for uploading their Random Acts of Green Kindness onto social media. The SU went meat-free for the day and welcomed all actions from a variety of philanthropic UWE members. The foundation wanted to "pool together hundreds of simple, every day, socially inclusive, actions and solutions for our wellbeing and environment that are positive, kind or restorative that everyone can easily do." UWE staff and students delivered many acts of random kindness from buying a coffee for a stranger, sharing fruit with a friend and giving out free water bottles.

Who organised it?

Earth Champions and the SU at UWE

Attendance and reach

Staff and students of UWE, also members of Earth Champions.

External organisation involvement

Earth Champions Foundation

Evidence (images, multimedia and artefacts)

Earth Champions film prepared for COP21 <https://www.youtube.com/watch?v=ABISE9VOWTw>



The SU at UWE @TheSUatUWE · 22 Oct 2015

What have you done to make a difference today? #ECGreenKindness



BE AN EARTH CHAMPION FOR A DAY

22 OCTOBER 2015



EARTH CHAMPIONS
Local Heroes. Global Impact.



University of the
West of England

Copyright – Earth Champions Foundation – Please make sure your Acts are positive, safe and legal

<https://twitter.com/thesuatuwe/status/656892940862758912>

<https://twitter.com/search?q=%23ECGreenKindness>

<http://www.earthchampions.org/#!/random-acts-of-green-kindness/hqxtc>

Relevant Green Capital themes

	Energy		Health
	Resources	X	Happiness
X	Nature		Cities
	Transport		
	Food		

Activity type

X	Student impact and engagement		Research and knowledge exchange
X	Staff engagement	X	Civic engagement
X	Faculty/service actions		Business facing activities
	Academic conferences	X	Marketing and branding
X	Cultural contribution		Campus sustainability

Project funding

UWE's involvement in the Random Acts of Green Kindness was led by the Students' Union. Ben Williams and Jim Longhurst collaborated with the Foundation to produce the COP21 film.

Did this activity happen for the first time during 2015? No

Will this activity happen again beyond 2015?

UWE will continue to support the Earth Champions' Foundation

UWEBIC Student Sustainability Projects

Contact

Helen Brown

Description:

What happened:

In line with Bristol European Green Capital 2015, 70 international students from UWE, Bristol International College (UWEBIC) were tasked with designing a product or scheme to increase sustainability at UWE. The 12 groups carried out a pilot study and came up with a range of ideas that could benefit UWE's sustainability focus. These ideas included incentives for students to recycle, reduce their electricity or water consumption, also harnessing electricity from cycling and using fully recyclable cups.

The students were immersed with the sustainable side of UWE, driven by Vicki Harris (Sustainability engagement co-ordinator). Helen Brown explains how she "helped UWEBIC a great deal on this project by taking the students for a guided tour of the UWE grounds to look at what the university already has in place and also giving a lecture to the students, supported by a question and answer session to help the students to develop their ideas for this project." Alongside this, the students also attended some of the UWE Green Capital Seminar Series.

The college director; Martin Jones and the Science and Engineering Programme Leader; James Neville were the judges. The winning team, 'Biologica', pitched the idea of a student community garden to encourage students to grow vegetables and then sell them at the farmers market or use them in their cooking.

Who organised it?

Helen Brown

Attendance and reach

70 International students, staff judges and academics.

Case study (organiser) :

Helen Brown from the International College said: "With the sustainability project we hoped to improve students study skills, but also to make them more aware of Bristol Green Capital and the different projects and schemes that UWE offer to help make the university a more sustainable place, and to get the international students involved in the process. It was a very motivational and energising project for all involved! It helped our students think about ways in which they can be more environmentally friendly, whilst here and in general. We will be running the project again next year focusing on food waste and hope to link this in with Feel Good February."

Vicki Harris stated "It was inspiring and moving to see so many students from so many different nations connecting with UWE and Bristol in such a creative way, addressing green issues which aren't given much air-time in their home countries." "The winning project was about growing veg and fruits. This is already happening on campus – as you know there is the community garden which we are really trying to build up student support for. There are regular action days there – a Christmas one this Wednesday for students and staff."

Case study (participant) :

Sera Zalman (UWEBIC Student) had her say on the project. She says, "The project was a really good idea! I particularly liked the tour around the university grounds with Vicki Harris as I learned a lot

about what UWE does to improve its sustainability. I think it might even be a good idea to include such a tour in the regular 'welcome to UWE' tours, since I don't think many students know about all the secret garden places or the herbs that are there to use. Also it was interesting to listen to the different speakers, especially to the one who manages UWE's energy (Fabia Jeddere-Fisher)."

Omar Abid (UWEBIC Student) explains the personal and professional benefits of this course thanks to a focus on sustainability, "Advanced Skills' allowed me to engage with people whom I did not know much about. Not only did it allow me to engage with them but it also made me feel confident about sharing ideas relevant to sustainability in the class with them. 'Advanced Skills' helped me realise my potential of becoming a successful leader as I was the team captain of a winning group called BIOLOGICO consisting of 4 more team members, we came first in a project where we had to produce a good or a service which can be eco-friendly, profitable, and benefits the students of UWE. 'Advanced Skills' is something that helped me enhance my knowledge in communicating and writing skills. Thanks to 'Advanced Skills', I am now convinced of pursuing my dream of becoming a successful leader in a business based on my experience on sustainability."

Impact and legacy

This project has led to the establishment of a new working relationship between UWEBIC and UWE Estates. A better academic link has been formed between foundation students at UWEBIC and foundation students in the Faculty of Environment and Technology.

Relevant Green Capital themes

X	Energy		Health
X	Resources		Happiness
X	Nature		Cities
X	Transport		
X	Food		

Activity type

X	Student impact and engagement		Research and knowledge exchange
	Staff engagement		Civic engagement
X	Faculty/service action		Business facing activities
	Academic conferences		Marketing and branding
	Cultural contribution	X	Campus sustainability

Project funding

Supported by UWEBIC

Did this activity happen for the first time during 2015? Yes

Will this activity happen again beyond 2015? Yes

UWE Leadership Case Study: Martin Bigg

Contact

Martin Bigg

Description:

UWE Bristol was instrumental in helping the city of Bristol win the successful bid for the title European Green Capital 2015, through Professor Martin Bigg (Chair of Bristol Green Capital Partnership 2012 and 2013) and Professor James Longhurst, UWE Assistant Vice Chancellor (Environment and Sustainability). Martin has been a member of the board of the community interest company which runs the Bristol Green Capital Partnership since it became a company in 2014. From 2016 Jim Longhurst is now the UWE representative on the Board of Directors of the Bristol Green Capital Partnership Community Interest Company.

As a result of his work on securing the title of European Green Capital for 2015, after narrowly being defeated for the 2014 title, Martin was awarded the title of Chartered Environmentalist of the year by the Society for the Environment in June 2014. He has undertaken various activities for the Society for the Environment and the Institute for Environmental Management and Assessment for which he is the Chair of the Council and member of the Board.

From 6 to 14 February Martin was in Minneapolis as a guest of the British Embassy and UK trade and investment talking about Bristol as the European Green Capital, trade and investment and the work of UWE and its students in delivering sustainability.

On 2 April Martin travelled to Bordeaux to represent the City of Bristol at a European Smart Cities Conference organised by La Tribune. He spoke about the initiatives in Bristol for 2015 and the role of the University.

On 22 April Martin chaired an IEMA workshop on sustainability at @Bristol sharing the experiences of developing Bristol as a sustainable city.

As part of an interview for a series titled 'The Green and the Good' (focused on drawing upon the experience of veterans of Bristol's sustainability movement to explore what 2015 could mean for us all), Martin discussed the radical changes in Bristol since his student days. He attributed these to the communities and organisations of Bristol valuing their city and recognising the importance of sustainability. He particularly acknowledged the commitment to sustainability education that is being delivered at UWE.

For the 'Big Green Chair' series on 8 June 2015, Martin spoke on wasting energy, water and resources, air quality and noise, congestion and pollution, green deserts and empty spaces and the challenges and opportunities for a sustainable future.

Businesses gathered to celebrate 'Go Green' at The Bristol Hotel. The event was run by Go Green with support from Skanska and the Environmental iNet on 24 June and Martin Bigg was a speaker.

On the 25 June, Martin travelled to Beijing as part of a delegation organised by the Royal Society of Engineering and the British Embassy at the invitation of the Counsellors' Office of the State Council in China. During a tour over a week he presented papers on air quality issues and the contribution and regulation of industry to national, city and business audiences as well as visiting power stations and waste to energy facilities.

13th of May

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).

On 8 September Martin spoke at the international Education for Sustainable Development Conference and Exhibition organised by UWE Bristol and the University of Bristol at the Richmond Building. He described the work behind Bristol becoming the European Green capital and the achievements to date.

An event to showcase Bristol’s track record in green innovation was a one-day seminar hosted in partnership by Go Green and The Institute of Environmental Management and Assessment (IEMA). It took place at At-Bristol on the 5 October. It enabled delegates 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.

On the 8 December, Martin also contributed to UWE’s ‘Green Capital Seminar Series’ where he discussed the Green Capital partnership (of which UWE is part of), something he believes was ‘a major reason behind Bristol’s successful bid’ to become European Green Capital 2015.

Attendance and reach

Martin’s activities have reached members of Bristol 2015, UWE staff and students, the public and international ambassadors. He has worked closely with Bristol 2015, Go Green, iNet, Skanska, and The Institute of Environmental Management and Assessment.

Evidence (images, multimedia and artefacts)

<http://biggreenweek.com/wp-content/uploads/2015/04/BGC.jpg>

Photos available from the Green Capital Seminar Series. Contact Georgina Gough.

Testimonial:

“From helping Bristol secure the European Green Capital title, to ensuring a successful delivery of the year, Martin has been a bold ambassador for the University and a real asset to the city. He has championed the objectives and themes of Bristol European Green Capital 2015 and the involvement of University students and staff, regionally, nationally and internationally.” *(Jim Longhurst, Assistant Vice Chancellor – Environment and Sustainability, UWE Bristol)*

Martin’s view on the impact and legacy of Bristol’s year as European Green Capital:

Martin Believes this year has helped Bristol in the right direction to become a ‘low carbon city with a higher quality of life for all’. He disagrees with the term ‘legacy’, because the Green Capital year is ‘not something that has died, but is going forward into the future.’ It is essential that the outcomes of 2015 do not stay hidden in Bristol but help the city become ‘an environmental role model’ for other British cities.

The 'biggest change I have seen has been in relation to student engagement in the city as a result of HEFCE funding, volunteering programme' etc.

There has been a 'greater participation, awareness and engagement with the universities (especially UWE) – in relation to student attendance, engagement and contribution and getting something personal out of it.'

'Visitors have noted that UWE's promotion and engagement with 2015 is significant.'

"Having been heavily involved in losing then winning the title of European Green Capital, I had high hopes and expectations for the year, and they were met. It is almost impossible to identify a single event as there was so much and a key success of the year is the number of activities which are continuing and growing. A very encouraging event was the giving of awards, recognising the diverse engagement of students in activities in the community, in the presence of members of the Bristol Green Capital Partnership at Bordeaux Quay. Reflecting the international side it was great to have the opportunity to share Bristol 2015 in Bordeaux, Minneapolis and Beijing."

Relevant Green Capital themes

X	Energy		Health
X	Resources		Happiness
	Nature	X	Cities
	Transport		
	Food		

Activity type

	Student impact and engagement	X	Research and knowledge exchange
X	Staff engagement	x	Civic engagement
X	Faculty/service actions	X	Business facing activities
x	Academic conferences	X	Marketing and branding
X	Cultural contribution	X	Campus sustainability

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April 2016