



## Tomorrow's Sustainable Universities

Sustainable University -  
Current Experience, Future Challenges and Opportunities

2 day Conference  
University of Bradford July 15th and 16th 2010

[www.bradford.ac.uk/sustainable-universities](http://www.bradford.ac.uk/sustainable-universities)

This unique, free, event will:

Examine current best practice in achieving institution-wide sustainability in higher education and;

Consider the challenge of achieving even more – for example, HEFCE's target of an 80% reduction in sector carbon emissions by 2050, compared to 1990 – in the light of likely changes in funding models, student expectations, and technology and other innovation opportunities.

It is being organised by the University of Bradford's Ecoversity initiative, in collaboration with the Higher Education Academy (HEA) and the Higher Education Funding Council for England (HEFCE). The second day Campus 2020 session has also been co-organised with the Association of University Directors of Estates (AUDE), the Higher Education Environmental Performance Improvement (HEEPI) project and the Joint Information Systems Committee (JISC). This UK experience will be supplemented by inputs from North America, and the global experience of several UNESCO collaborators.

## Key Topics

The key topics - which will be addressed within a variety of ways during the event – will be:

**Leadership** – What are the required roles and competences of institutional (e.g. PVCs, Directors), academic (e.g. Deans, Heads of Department) and other leaders in driving sustainability within institutions? Are these common to all universities and colleges, and the same as those required to drive any kind of change within higher education?

**Campus** – Is a more virtual higher education model the most sustainable one, by reducing building and travel requirements, and supporting increased inclusion both within the UK and internationally?

**Curriculum** - How can sustainability best be embedded in curricula on a faculty- or institution-wide basis?

**People** – How can engaged staff and student communities be created and maintained, especially during times of economic difficulty and consequent pressures on time and trade-offs with other objectives such as employability?

The event will involve sharply focused key-note presentations and maximum time will be devoted to interactive workshops and discussion. There will also be an opportunity to learn more about two University of Bradford developments which are aiming at BREEAM Outstanding – the Sustainable Student Village (site visit) and the Sustainability and Enterprise Centre (exhibit).

Verbatim theatre will be used in place of plenaries and rappoteurs. Please note that you are not required to appear in the subsequent performance on day 2.

## Booking

To ensure maximum participation, the conference on both days is free. A charge of £25 will be made for the evening event. Delegates are invited to attend both days. However the conference has been designed so that people can book just the day of their choice. Parts of the event will be video streamed and podcast for those unable to attend. We have booked rooms at Bradford Victoria Hotel at a special conference rate of £65 per night for those wishing to attend both days or arrive the night before. In place of a conference dinner we have booked one of Bradford's best Curry Houses to have a more informal meal, allowing more time for networking and circulation.

## Conference Details and Updates

Visit the conference website at: [www.bradford.ac.uk/sustainable-universities](http://www.bradford.ac.uk/sustainable-universities)

## Day 1 – Large scale curriculum initiatives, student experience and wider cultural change

The first day focuses on strategies for large scale change within universities, and the specific experiences of two sustainability projects – Ecoversity in the UK, and Ponderosa in the USA – in achieving institution-wide change in curricula and staff and student engagement. These discussions will be complemented by the work of Paul Trowler who has studied the challenges of large scale curriculum change across many agendas in different HE settings. International perspectives will also be introduced, based on the experiences of the Association for the Advancement of Sustainability in Higher Education (AASHE – the US equivalent of EAUC), and a UNESCO Chair in issues of higher education sustainability in developing nations. The workshops will focus on themes identified as central to the process of cultural change.

### 10:00 Registration and Refreshments

### 10:30 Welcome and Introduction

Professor Geoff Layer, Deputy Vice Chancellor (Academic) and Ecoversity Programme Sponsor.

### 10:40 – 12:30 Keynotes and Discussion Panel

Professor Geoffrey W Chase: San Diego State University.

Large Scale Curriculum Change - Campus Stories and Strategies for Change.

Professor Paul Trowler: University of Lancaster.

Large Scale University Curriculum Change – from Practice to Theory.

Dr Peter Hopkinson: University of Bradford.

Bricolage- Behind the Scenes of an Ecoversity.

### 12:30 - 13:30 Lunch

### 1:30 – 15:00 Workshops

There are four workshops to choose from, based on various strands of the Ecoversity project and the work of the HEA Education for Sustainable Development team but very much open to inputs of experience from other institutions:

1. Engaging Students (led by Sheri-Leigh Miles, Ecoversity)
2. ESD Curriculum – Where are we with ESD (led by HEA ESD project team)
3. Creating internal community and communications (led by Dr Christine Sefton, Ecoversity)
4. Institutional learning (led by Dr Lou Comerford Boyes, Ecoversity)

Each workshop will be supported by briefing papers setting out a number of key issues and discussion points. These will be posted in advance of the event on the main conference website. Individuals attending the workshops are invited to provide short evidence based documents (max 2 pages) in advance to support, inform and stimulate discussions on the day. Each workshop will produce a written report on the key points – which will be circulated to delegates after the event.

### 15:00 - 15:30 Break and Refreshments

### 15:30 – 16:00 End Note

Professor David Francis: UNESCO Chair, University of Bradford

The new UNESCO African Peace University Initiative as an illustration of Tomorrow's Sustainable University.

### 16:30 – 17:30 Tour of Sustainable Student Village Project

### 19:00 Curry + Drinks

## Day 2 – Creating and Leading the Sustainable Campus?

This second day focuses on leadership for sustainability; scenarios for tomorrow's campus and learning methods, their environmental implications; sustainability in the curricula and other aspects of the STEM subjects which Government is placing at the heart of its plans for future higher education. The scenarios workshop is being organised in collaboration with the AUDE 2020 Campus Group and JISC.

### 09:30 - 10:00 Registration and Refreshments

### 10:00 - 10:30 Verbatim Theatre

A verbatim theatre uses the real words from interviewees/delegates to construct a play or performance. A script will be crafted from vox pop interviews, discussions and anecdotes from Day 1 and played out in a performance to inform and hopefully entertain Day 2.

### 10:30 - 10:40 Welcome and Introduction

Professor Geoff Layer, Deputy Vice Chancellor (Academic) and Ecoversity Programme Sponsor

### 10:40 - 12:30 Keynotes and Discussion Panel

Steve Egan: Deputy Chief Executive Higher Education Funding Council England ( HEFCE)  
Leadership, Governance and Management for Sustainable Universities.

Professor Peter James: University of Bradford  
Changing Higher Education Futures - Good or Bad for Sustainability?

Sarah Porter, Head of Innovation JISC  
The transformed university: the role of technology in enabling the sustainable campus

### 12:30 – 13:30 Lunch

### 13:30 – 15:30 Workshops

There are three workshops to choose from

1. 2020 Campuses: What will they look like, how will they work, and how virtual will they be?
2. 2020 Technologies: New Industries, New jobs. Sustainability education for a low carbon future. Led by Michael Grove. What are the new industries and new jobs, What will the future economy look like? What is the role of Higher Skills, STEM and HE education? Is education for sustainable development joined up with this agenda?
3. 2020 Leadership for sustainability: Where are the leaders and what will be the future governance requirements for sustainable HE?

The second day workshops will be supported by briefing papers setting out a number of key issues and discussion points. These will be posted in advance of the event on the main conference website. Individuals attending the workshops are invited to provide short evidence based documents (max 2 pages) in advance to support, inform and stimulate discussions on the day. Each workshop will produce a written report on the key points – which will be circulated to delegates after the event.

### 15:30 – 15:45 Closing Remarks

### 15:45 – 16:00 Refreshments and Close

## Further Details on lead speakers

### Dr Geoffrey Chase

Geoffrey Chase, the Dean of Undergraduate Studies and the Director of the Center for Regional Sustainability at San Diego State University, attended Ohio Wesleyan University, where he received the BA in English in 1971. Dr. Chase joined Northern Arizona University in 1992 as the Director of English Composition. While at Northern Arizona University, Chase also served as English Department Chair, Dean of Liberal Studies, and as the Associate Provost for Undergraduate Studies. At NAU, he revamped the composition curriculum to give it an environmental focus and became a leader of the Ponderosa Project, a faculty development project aimed at helping faculty from throughout the university integrate issues of environmental sustainability into their courses. The Ponderosa Project has become a model faculty development project that has been introduced to faculty on more than 175 campuses in the United States and Canada.

In 2004 he co-edited, with Peggy Barlett, *Sustainability on Campus: Stories and Strategies for Change*, which was published by MIT Press. He currently serves as Board Chair for the Association for the Advancement of Sustainability in Higher Education (AASHE). He has also served on the Executive Committee for the American Conference of Academic Deans (ACAD), as Co-Chair for the Proposal Review Committee for the Western Association of Schools and Colleges (WASC), and has served as team chair for accreditation teams. Dr. Chase lectures widely on sustainability in higher education and, with Peggy Barlett, offers workshops on institutional change, curriculum, and sustainability.

For more details on his current work leading curriculum change for sustainability see <http://www.aashe.org/profdev/curriculum.php>

### Professor Paul Trowler

Paul's research focus is change and the implementation of higher education policy particularly at institutional and departmental level. His research and evaluation work focuses especially on the significance of disciplinary and contextually-specific locations for leadership and change management. He has a particular interest in academic staff and organizational learning as they relate to the enhancement of teaching and learning in higher education.

Paul is a Fellow of the Higher Education Academy and an active member of international organizations involved in higher education research and evaluation. Paul was the main organizer for the first three Higher Education Close Up conferences, the last in 2006. These are devoted to fine-grained research into higher education. Higher Education Close Up 4 was held in Cape Town in 2008 and Close Up 5 will be held at Lancaster University in July 2010.  
<http://www.lancs.ac.uk/fss/events/hecu5/index.htm>

Recent works include

Becher, T. and Trowler, P. (2001) *Academic Tribes and Territories: intellectual enquiry and the cultures of disciplines* (2nd edition). Buckingham: Open University Press/SRHE.

Trowler, P. (2008) *Cultures and Change in Higher Education*. London: PalgraveMacmillan.

Bamber, V., Trowler, P., Saunders, M. and Knight, P. (2009) *Enhancing Teaching, Learning, Assessment and Curriculum in Higher Education*. London: Open University Press.

## Dr Peter Hopkinson

Peter is Director of Education for Sustainable Development at the University of Bradford and Co-Director of the Higher Education Environmental performance Improvement project ([www.heepi.org.uk](http://www.heepi.org.uk)). Peter has led the £3.1M HEFCE funded Ecoversity StuDent project to embed sustainable development in the 'living and learning experience' of all our students at the University of Bradford. This project has been a catalyst for the institution wide Ecoversity programme ([www.bradford.ac.uk/ecoversity](http://www.bradford.ac.uk/ecoversity)), which won the Times Higher Award 'Outstanding Contribution to Sustainable development' 2009 and also the Sector wide Green Gown Continuous Improvement – Institutional Change and a 'Highly Commended' in Courses category for work on ESD (both 2009). Ecoversity was also flagged as a sector leaders in both 'teaching and learning' and 'integration' by Universities that Count; the sector wide index on Corporate Social responsibility. The core Ecoversity StuDent team will be lead facilitators for the workshops on Day 1 of the conference.

## Mr Steve Egan

Steve Egan has been Director of Finance and Corporate resources at HEFCE since 1996. In this role he has been responsible for the rewarding and developing staff initiative, creating the Equality Challenge Unit, the transparency review, project capital and the Council's work in leadership, governance and management which includes sustainable development and corporate social responsibility.

## Professor Peter James

Peter is Professor of Environmental Management at the University of Bradford and Co-Director of the HEFCE funded HEEPI project. Peter has a specific interest in promoting sustainability improvements in complex organizational settings where action requires technical understanding and cross-functional collaboration - green IT (SusteIT), high performance buildings (HiPerBUILD) and sustainable laboratories (S-Lab). His work on Sustainable Universities can be found at [www.goodcampus.org](http://www.goodcampus.org). His previous career included spells as a management consultant, as a BBC journalist and as founding CEO of the Centre for Sustainable Engineering. In his non-Bradford time, he continues to work as an environmental and business consultant and as advisor to Government departments and RDAs. His publications include books on Driving Eco-Innovation, Sustainable Measures and The Green Bottom Line.

## Professor David J. Francis

Professor David J. Francis is Chair of African Peace and Conflict Studies in the Department of Peace Studies and holds the UNESCO Chair at the University of Bradford. He established the Africa Centre for Peace and Conflict Studies (now the John & Elnora Ferguson Centre for African Studies (JEFICAS) and served as its Founding Director until 2008. During this time, he led the implementation of the £1.75 million Allan & Nesta Ferguson Trust project grant to the African Centre on 'Working for Durable Peace and Sustainable Development in Africa'. His research focuses on the nexus of peace-security and development in transition societies in Sub-Saharan Africa and has published six books and a number of journal articles, book chapters and policy reports. His recent publication is 'US Strategy in Africa: AFRICOM, Terrorism and Security Challenges' Routledge, Feb. 2010.

## Michael Grove

Michael Grove is Director of the National HE STEM Programme, University of Birmingham. Michael's academic background is as a Physicist with a particular interest in the polarisation of the cosmic microwave background radiation. He has previously worked on issues surrounding the learning and teaching of mathematics within higher education, and his interests include supporting students at the transition to university where he remains a member of the successful mathcentre and math tutor teams, the teaching of mechanics, supporting the professional development of new academic members of staff and part-time teachers, and developing graduate and employability skills to better prepare students for the workplace. He is a former member of the Higher Education Academy's Strategic Advisory Forum, and current Chair of the Mathematics Working Group for the 14-19 Science Diploma.

Michael was directly involved in developing the proposal for the HEFCE-funded More Maths Grads initiative and its subsequent implementation, and was a member of the team that developed the proposal for the National HE STEM Programme in 2009. Michael was appointed Director of the National HE STEM Programme in November 2009, and is responsible for its overall strategic direction the interaction of the Programme at a national policy level.

## Sarah Porter

Sarah is Head of the Innovation Group at JISC. The Innovation group leads activities that support core themes in the JISC's strategy through innovation programmes and initiatives. The Group works closely with colleges and universities to carry out action research, and develop advice and guidance, products and services.

Sarah has worked in the higher education sector for the last 12 years, in a variety of institutional and national roles. Her particular interest is in how technology can enhance the day-to-day business of education and research; in particular the central importance of technology-users, institutional processes and practices, and education's broader political and cultural context.

## Roger Bond

A Chartered Surveyor by profession. Have worked in property for 30 years and in Higher Education for 13 years. Currently Director of Estates at University of East Anglia. Previously at Robert Gordon University in Aberdeen and University of Hertfordshire.

Involved in Higher Education Working group, "Sustainability in HEIs" and developing high performance buildings for the sector.

Chair of AUDE Sustainability Group.

Chair of East Midlands Region of AUDE and member of AUDE EXEC.

Chair of the Norfolk branch of Constructing Excellence.

Married with two boys, one cat and two rabbits.

Deputy Chair of Governors at Attleborough High School Norfolk

Enjoys badminton and playing the saxophone but not at the same time.