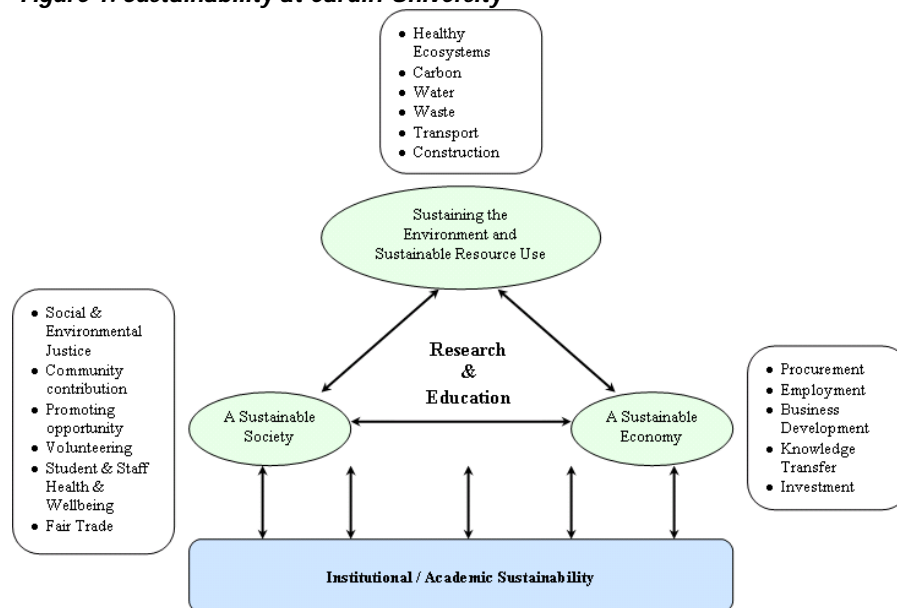


Cardiff University Sustainable Development Strategic Framework Implementation Plan 2010/11

Cardiff University's Sustainable Development Implementation Plan is intended as a delivery mechanism for specific elements of the University's Sustainable Development Strategic Framework. Actions contained in this plan are explicitly linked to the Framework. It is therefore recommended that these documents are read in conjunction with one another.

The Plan sets out a number of specific actions to be undertaken in 2010/11 grouped under the themes of the Sustainable Development Strategic Framework. Priority objectives have been identified within each theme and accompanying actions that contribute to meeting each of these objectives are listed. Figure 1 illustrates these themes and the inter-connections between each area.

Figure 1: Sustainability at Cardiff University



The Plan is intended as an overarching plan and is supported by detailed University plans and policies as listed in Appendix 1.

Management Arrangements

The Sustainability Group, under the chairmanship of the Pro Vice-Chancellor for Engagement and International, will oversee the implementation and co-ordination of the Sustainable Development Strategic Framework, including monitoring progress against this Implementation Plan.

The Sustainability Group will provide advice, and receive advice, to and from various working groups and committees within the University on sustainability matters as required and report formally to the Innovation and Engagement Committee, Strategy and Resources Committee, and Council on an annual basis.

1. Our Academic Excellence in Sustainable Development

1.1 Our Research

Objective: Consolidate our sustainability research portfolio						
Action		Performance Indicator	Responsible	Proposed Timescale	Reference to Other University Plans	Ref. to Framework
1.1.1	Undertake coordinated interdisciplinary research programmes on sustainable places, spanning, but not limited to, the biological and earth sciences, business, law, engineering, architecture, medicine, social science and psychology through the Sustainable Places Research Institute	Sustainable Places Research Hub established Sustainable Places Research Affiliate Network established	Sustainable Places Research Institute	December 2010 December 2010		4.1.2
1.1.2	Develop the next generation of sustainability scientists via the Sustainable Places Research Institute	6 Research Fellows in post A minimum of 2 PhD students per year commencing 2011/12 increasing to a minimum of 3 PhD students from 2014	Sustainable Places Research Institute	April 2011 November 2011- July 2014		4.1.2
1.1.3	Establish a sustainability network for graduate students via the Sustainable Places Research Institute	Graduate School Network established	Sustainable Places Research Institute	June 2011		4.1.2
1.1.4	Set up and run a programme of industrial research and development projects in the low carbon / energy sectors as part of leading the	55 collaborative research and development projects	Low Carbon Research Institute (in collaboration with other	June 2015	LCRI Convergence Energy	4.1.1

	Low Carbon Research Institute (LCRI) Convergence Energy Programme in partnership with Welsh HEIs (Bangor, Swansea, Glamorgan, Glyndwr and Aberystwyth)	between enterprises and universities	Welsh HEIs)		Programme Business Plan	
1.1.5	Develop collaborative research and development projects between enterprises and the SEREN team as part of the SEREN project (the SEREN project aims to deliver new and innovative ground engineering technologies that address the low carbon agenda)	25 collaborative research and development projects between enterprises and the SEREN team	Geoenvironmental Research Centre	June 2015	SEREN Business Plan	4.1.1

1.2 Our Courses and Modules

Objective: Integrate sustainable development principles within our courses and modules						
Action		Performance Indicator	Responsible	Proposed Timescale	Reference to Other University Plans	Ref. to Framework
1.2.1	Organise a Quality and Innovation in Learning and Teaching (QUILT) seminar for teaching staff on embedding sustainability within the curriculum	Seminar held and outcomes disseminated	Registry	December 2011		4.2.2
1.2.2	Develop case studies on embedding sustainability within the curriculum that can be used as a learning and teaching resource	Case studies published on Learning and Teaching website	Registry	December 2011		4.2.2

2. Sustaining the Environment and Sustainable Resource Use

2.1 Emissions and Carbon Reduction

Objective: Achieve a 3% year on year reduction in carbon emissions from 2010/11 onwards (compared with the 2005/6 baseline)						
Action		Performance Indicator	Responsible	Proposed Timescale	Reference to Other University Plans	Ref. to Framework
2.1.1	Complete deployment of the University's energy and water saving initiatives as part of the Carbon Trust Higher Education Carbon Management Programme	Achieve a 14% reduction in carbon emissions compared with 2005/6 baseline (32,000 tonnes of Carbon Dioxide)	Physical and Financial Resources	End 2011/12	Higher Education Carbon Management Programme: Strategy and Implementation Plan Cardiff University	5.2.1
2.1.2	Create and implement a carbon reduction plan for 2010/11 onwards in line with HEFCW and UK Government requirements	Plan developed and published on University web pages	Physical and Financial Resources	April 2011		5.2.1
Implement an Environmental Management System (EMS) to ISO 14001 standard by November 2011						
Action		Performance Indicator	Responsible	Proposed Timescale	Reference to Other University Plans	Ref. to Framework
2.1.3	Complete roll-out of the EMS to all schools and directorates	All schools and directorates have an EMS action plan in place	Occupational Health, Safety and Environment	April 2011	Environmental Management System Implementation Plan	5.2.1
2.1.4	Review and update of Safety, Health and	Policy updated and	Occupational	June 2011	Environmental	5.2.1

	Environment Policy to strengthen the environment component of the Policy and include more tangible environmental requirements	published on University web pages	Health, Safety and Environment		Management System Implementation Plan	
2.1.5	Review and update register of legislation	Register reviewed periodically	Occupational Health, Safety and Environment	April 2011 December 2011 April 2012 December 2012	Environmental Management System Implementation Plan	5.2.1
2.1.6	Write EMS manual	Manual complete	Occupational Health, Safety and Environment	April 2011	Environmental Management System Implementation Plan	5.2.1
2.1.7	Develop environmental awareness training	Training courses held	Occupational Health, Safety and Environment	July 2011	Environmental Management System Implementation Plan	5.2.1
2.1.8	Increase information available on environmental matters for staff and students	Information published on University website	Occupational Health, Safety and Environment / Information Services	Ongoing	Environmental Management System Implementation Plan	5.2.1
Implement the University Travel Plan during 2010/11						
Action		Performance Indicator	Responsible	Proposed Timescale	Reference to Other University Plans	Ref. to Framework
2.1.9	Raise staff and student awareness	Travel choice impacts	Campus Services	December	Cardiff University	5.2.4

	regarding travel choice impacts and alternative travel choices	publicised including development of walking maps and additional information on the University website		2011	Travel Action Plan	
2.1.10	Encourage active travel (e.g. walking and cycling)	Current cycle provision reviewed and active travel choices publicised and incentivised	Campus Services	December 2011	Cardiff University Travel Action Plan	5.2.4
2.1.11	Encourage the use of public transport	Public transport options publicised to staff and students	Campus Services	December 2011	Cardiff University Travel Action Plan	5.2.4
2.1.12	Reduce single occupancy vehicle trips	University Liftshare Scheme promoted Possibility of car share only parking spaces investigated	Campus Services	December 2011	Cardiff University Travel Action Plan	5.2.4
2.1.13	Develop and promote alternative business and working practices which reduce travel	Alternative practices identified and promoted (to include videoconferencing and Modern Working Environment tools)	Campus Services	December 2011	Cardiff University Travel Action Plan	5.2.4
2.1.14	Encourage the use of, where practicable, alternatives to air and car transport for business travel in the United Kingdom	Alternative modes of transport publicised and hierarchy of acceptable modes for business travel produced	Campus Services	December 2011	Cardiff University Action Travel Plan	5.2.4
2.1.15	Critically review the Cardiff University	Audit of vehicle fleet	Campus Services	December	Cardiff University	5.2.4

	vehicle fleet to identify opportunities to reduce its carbon footprint	complete and recommendation made regarding alternative vehicle options / types		2011	Travel Action Plan	
Increase recycling rate to 40% by December 2011 compared with 2009/10 baseline (34%)						
Action		Performance Indicator	Responsible	Proposed Timescale	Reference to Other University Plans	Ref. to Framework
2.1.16	Establish a centralised collection scheme for IT waste (WEEE) across the University	Collection scheme established	Occupational Health, Safety and Environment / Estates	July 2011	Cardiff University EMS: Suggested University Objectives and Targets 2010/11	5.2.2
2.1.17	Establish a defined recycling collection for battery waste from the University	Battery collection schedule established	Occupational Health, Safety and Environment / Estates	Ongoing – subject to review	Cardiff University EMS: Suggested University Objectives and Targets 2010/11	5.2.2
2.1.18	Complete food waste recycling trial at Main Building and Trevithick and review the potential for expanding the scheme across the University campus	Recommendation made	Campus Services	January 2011		5.2.2
2.1.19	Attain the Welsh Assembly Government's Value Wales Level 5 for waste	Level 5 attained	Occupational Health, Safety and Environment / Estates	October 2011		5.2.2
Sustainably develop our estate including our land						
Action		Performance Indicator	Responsible	Proposed Timescale	Reference to Other University Plans	Ref. to Framework

2.1.20	All new buildings to be built to BREEAM Excellent Standard	Achievement of BREEAM Excellent Standard on all new builds	Estates	Ongoing		5.2.5
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3. A Sustainable Society

Objective: Contribute to a sustainable society through supporting social progress including the health, safety and wellbeing of our students, employees and the wider community						
Action	Performance Indicator	Responsible	Proposed Timescale	Reference to Other University Plans	Ref. to Framework	
3.1	Arrange a Positive Health and Environment Week (PHEW) in 2011, to include a range of health, wellbeing and environment activities as part of the University's Positive Working Environment initiative	PHEW 2011 held	Human Resources	June 2011		6.3.2
3.2	Develop further the University's evidence base against which to measure the University's progress in delivering a Positive Working Environment through conducting a Staff Attitude Survey	Staff attitude survey results analysed and an action plan produced to address areas of concern	Human Resources	End of session 2010/11		6.3.2
3.3	Implement the Corporate Health Standard Action Plan	Welsh Assembly Government's Corporate Health Standard silver or gold standard awarded	Campus Services	December 2011	Cardiff University Corporate Health Standard Action Plan	6.3.2
Public Engagement						
3.4	Organise an annual Sustainability Week to showcase the University's sustainability	Sustainability Week held annually	Communications and International	Annual		8.3

	research and further engage with our staff, students and external stakeholders		Relations Division			
3.5	Arrange public engagement events via the Sustainable Places Research Institute	Sustainable Places public engagement events / activities held Engage with at least 1000 people in 2011 increasing to 1500 by 2014	Sustainable Places Research Institute	Ongoing	Sustainable Places Project Plan	6.3.4
3.6	Produce guidance on initial steps that can be taken when organising a sustainable event at Cardiff University	Guidance notes published on website	Communications and International Relations Division	December 2010		5.2.1

4. A Sustainable Economy

4.1 Sustainable Procurement

Objective: Contribute to a sustainable economy through sustainable procurement						
Action		Performance Indicator	Responsible	Proposed Timescale	Reference to Other University Plans	Ref. to Framework
4.1.1	Maintain the University's Fairtrade status	Fairtrade Foundation certification maintained	Campus Services/ Students' Union	Annual		7.3.4
4.1.2	Use the Welsh Assembly Government (Value Wales) Public Sector Sustainable Procurement Assessment Framework to embed sustainable procurement throughout the University and ensure continuous	Achievement of targets set on an annual basis to increase overall score.	Finance	ongoing since 2009		7.3.4

	improvement against the achievement of key objectives					
4.1.3	Use Sustainability Risk Assessment for all contracts for the procurement of goods, works and services exceeding the EC threshold as required by HEFCW	Used on 100% of contracts tendered by Cardiff University over EC threshold	Finance	ongoing since 2009		7.3.4

4.2 Translating our research expertise

Objective: Contribute to a sustainable economy through the provision of expertise to external organisations						
Action		Performance Indicator	Responsible	Proposed Timescale	Reference to Other University Plans	Ref. to Framework
4.2.1	Contribute towards the Welsh Assembly Government's 'Capturing the Potential: A Green Jobs Strategy for Wales' through the SEREN project which aims to deliver new and innovative ground engineering technologies and help businesses to commercialise innovative ideas and develop new products, services and technologies for the low carbon economy	Gross jobs created: 153 Enterprises adopting or improving environmental management systems: 30	Cardiff University Geoenvironmental Research Centre	June 2015		7.3.3
4.2.2	Contribute towards the Welsh Assembly Government's 'Capturing the Potential: A Green Jobs Strategy for Wales' through the Low Carbon Research Institute (LCRI) Convergence Energy Programme. The LCRI provides a research base for the energy sector industries in Wales to help them	Gross jobs created: 275 Enterprises adopting or improving environmental management systems: 250	Low Carbon Research Institute (in collaboration with Welsh HEIs)	June 2015		7.3.3

	deliver government targets for reducing carbon dioxide emissions and enable these industries to compete on an international stage					
4.2.3	Arrange a sustainability themed free business networking event as part of Cardiff University's Innovation Network (CUIN)	Event held	Research and Commercial Division	End of session 2010/11		7.3.1

Appendix 1

Cardiff University Corporate Health Standard Action Plan

Cardiff University Energy Savings Initiatives 2010

Cardiff University Energy, Water and Waste Management Policy

Cardiff University Environmental Management System Implementation Plan

Cardiff University Environmental Management System Suggested University Objectives and Targets 2010/2011

Cardiff University Environment Policy

Cardiff University Travel Plan 2010-10-13

Cardiff University Travel Action Plan

Fairtrade Policy for Cardiff University

Higher Education Carbon Management Programme: Strategy and Implementation Plan (SIP) Cardiff University

LCRI Convergence Energy Programme Business Plan

SEREN Business Plan

Sustainable Development Strategic Framework for Cardiff University

Sustainable Places Research Institute Project Plan