

Swansea Environment Strategy



ACTION PLAN 2006-2008

INTRODUCTION

This Action Plan should be used in conjunction with the Swansea Environment Strategy: *Time to Change* (published in Sep 2006)

Copies of the Environment Strategy and further copies of this action plan can be obtained from
The Environment Centre, Pier Street, Swansea SA1 1RY tel: (01792) 480200 web: www.environmentcentre.org.uk

SWANSEA ENVIRONMENT STRATEGY

The Swansea Environment Strategy was prepared by Swansea Environmental Forum to provide a framework for protecting and enhancing the natural and built environment across the City and County of Swansea. It builds on the vision and principles of Swansea's community plan and seeks to raise the profile of environmental issues and influence decisions that are made about Swansea.

The Strategy presents a '2020' vision, priorities and a set of primary indicators for each of five key themes:

The Natural Environment and Biodiversity (see page 4)

The Built Environment and Energy Use (see page 8)

Water, Land and Waste Management (see page 13)

Sustainable Transport and Air Quality (see page 17)

Environmental Awareness and Action (see page 20)

ACTION PLAN

This Action Plan follows the same thematic arrangement with actions and milestones listed under each of the 22 priorities presented in the Strategy.

For each action and milestone, a lead body and partners have been identified. The primary indicators are listed in bold text with additional, secondary indicators in normal text. Cross-references are made to appropriate national and local strategies.

The visions, priorities, actions and indicators set out in the Strategy and this Action Plan were developed and agreed through consultation with a wide range of partners. The successful implementation of the Strategy and Action Plan will depend on the continued engagement of decision-makers, practitioners and communities, and on collaborative working and the forging of new partnerships.

REVIEW AND EVALUATION

This Action Plan is very much a working document with a limited lifespan. It is intended that it will undergo a full review within two years. However, it is also anticipated that after an initial period of reflection and discussion, additional actions and partners will be identified, requiring redrafted editions to be issued.

PROFORMA

The final page of this document provides a proforma for use by organisations wishing to add their actions to future editions of the Action Plan.

GLOSSARY OF ABBREVIATIONS

LEAD BODIES AND PARTNERS

CCS – City and County of Swansea
CCS(aonb) – Gower AONB Team
CCS(ca) – Countryside Access Team
CCS(cp) – Corporate Property Services
CCS(ed) – Education Department
CCS(env) – Environment Department
CCS(ho) – Housing Services Unit
CCS(nc) – Nature Conservation Team
CCS(pc) – Pollution Control Division
CCS(pl) – Planning Services
CCS(reg) – Regeneration Department
CCS(sdu) – Sustainable Development Unit
CCS(tre) – Transport and Engineering Division
CCS(wm) – Waste Management Division
CCP – City Centre Partnership
CCW – Countryside Council for Wales
EAC – Energy Advice Centre
EAW – Environment Agency Wales
EC – Environment Centre
GGAT – Glamorgan Gwent Archaeological Trust
KWT – Keep Wales Tidy
RSLs – Registered Social Landlords (housing associations)
SWWITCH – South-West Wales Integrated Transport Consortium
SBATF – Swansea Bay Alternative Travel Forum
SBP – Swansea Biodiversity Partnership
SCWDC – Swansea City Waste Disposal Company
SCS – Swansea Civic Society
SCRAP – Swansea Community Recycling Alliance & Partnership
SEEF – Swansea Environmental Education Forum
SEEF(he) – Further, Higher and Adult Education subgroup
SEF – Swansea Environmental Forum
SFTF – Swansea Fair Trade Forum

SIHE – Swansea Institute of Higher Education
SNITI – Swansea North Integrated Transport Initiative
UWS – University of Wales Swansea
WAG – Welsh Assembly Government
WTSWW – Wildlife Trust for South and West Wales

REFERENCE DOCUMENTS

ESDGC – ESDGC Action Plan Wales 2006 (actions)
ESW – Environment Strategy Wales 2006 (outcomes)
HSCW – Swansea Social Care and Well-being Strategy (aims)
LBAP – Swansea Local Biodiversity Action Plan 2006 (objectives)
LTP – Swansea Local Transport Plan 2000 (objectives)

OTHER ABBREVIATIONS

ADDs – additional directed duties (for teachers)
AONB – Area of Outstanding Beauty
ALGE – Association of Local Government Ecologists
CPD – continuing professional development
BREAM – Buildings Research Establishment Environmental Assessment Method
CAMS – Catchment Abstraction Management Strategy
ESDGC – education for sustainable development & global citizenship
EMS – environmental management system
FE – further education
HE – higher education
INSET – in-service training (for teachers)
LEAMS – Local Environment Audit and Management System
LNR – Local Nature Reserve
SD – sustainable development
SDGC – sustainable development and global citizenship
SINC – Site of Interest for nature Conservation
SSSI – Site of Special Scientific Interest

The Natural Environment and Biodiversity					
PRIORITIES AND ACTIONS	MILESTONES	LEAD BODY	PARTNERS	INDICATORS	REFERENCES
<i>NE1: Establish and maintain data on the natural environment and monitor change</i>					
a) Map and monitor habitats and species identified in the Local Biodiversity Action Plan	- map Priority Habitats (March 2008) - produce habitats map (March 2008)	CCS(nc)	SBP CCW	Percentage of habitats mapped	ESW(19) LBAP(1)
b) Collect data on archaeological and geological sites, and map and characterise landscape features using LANDMAP	- collect data on geological sites (March 2008) - collect data on archaeological sites (March 2008) - map landscape features using LANDMAP (March 2008)	CCS(nc) CCS(aonb) CCS(aonb)	SBP GGAT		ESW(19/23) LBAP(1)
c) Maintain a local database of biological survey information and support the development of the Local Biodiversity Records Centre	- establish service level agreement with SEWBREC (March 2008)	CCS(nc)	SBP		ESW(19) LBAP(1)
d) Map and assess the use of green spaces across the county, identifying sites for potential habitat creation and access improvements	- map open space network to standards set out in CCW and ALGE guidelines (March 2008) - prepare a green spaces plan (March 2008)	CCS(nc) CCS(nc)	SBP SBP		ESW(27/29) LBAP(1/5/6)

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e) Map and monitor invasive species	- continue to update Japanese Knotweed survey - launch web site for the control of Japanese Knotweed and other invasive species (March 2008)	CCS(nc) CCS(nc)	SBP		ESW(19) LBAP(1/6)
NE2: Protect and safeguard our valued natural assets and halt loss of biodiversity					
a) Identify and adopt Sites of Interest for Nature Conservation (SINCs), designate new Local Nature Reserves (LNRs) and consider extending Gower AONB	- increase number of designated LNRs (8 by 2010) - adopt SINCs as Supplementary Planning Guidance (March 2008)	CCS(nc) CCS(nc)	CCW SBP	Total area of LNRs, AONB and SINCs	ESW(19-21) LBAP(1/5)
b) Ensure that the features of local SSSIs are in favourable condition	- 95% of SSSIs in the City and County of Swansea to be in favourable condition or recovering towards favourable condition (2015)	CCW		Percentage of SSSI features in or recovering towards favourable condition	ESW(19/21) LBAP(1/3/6)
c) Encourage organisations and developers to adopt policies and practices to protect biodiversity	- prepare draft ecological design guide by August 2008	CCS(nc)	CCS(sdu) SBP		ESW(3/19/20) LBAP(3/4/6-8)
d) Implement Swansea's Biodiversity Action Plan and the Gower AONB Management Plan		SBP CCS(aonb)		Percentage loss of important habitats (LBAP)	ESW(19-23/29) LBAP(all)

NE3: Maintain and enhance the quality and diversity of the natural environment					
a) Prepare and implement management plans for Local Nature Reserves and other important sites and implement habitat and species action plans to increase the total area of land managed for biodiversity	- updated management plans in place for all 6 LNRs (March 2008)	CCS(nc)	SBP CCW	Percentage area of green space managed for biodiversity	ESW(19/21) LBAP(1/5-7)
b) Coordinate an integrated approach to managing Swansea's coastal and marine environments through a Swansea coastal and marine partnership	- establish a local coastal forum or partnership (March 2008)	SBP	CCS CCW		ESW(19-23/ 29/35) LBAP(6/7/11)
c) Promote the adoption of quality standards for nature reserves, coastal areas and other publicly accessible wildlife sites and green spaces	- maintain Green Flag status for Bishops Wood Nature Reserve - maintain Green Pennant for Rosehill Quarry - increase number of LNRs with Green Flags (4 by 2009)	CCS(nc) Rosehill Quarry Group CCS(nc)	SBP CCS(nc) SBP	Number of Green Flags, Green Pennants and Green Coast Awards	ESW(27/29) LBAP(5-7/10)
d) Encourage sustainable farming practices through participation in agri-environment schemes such as Tir Gofal and the Organic Farming Scheme			WAG CCW farmers landowners Forestry Commission		ESW(19/20) LBAP(6-8)
e) Establish principles and mechanisms to ensure that those involved in the promotion, use and enjoyment of the natural environment invest in its management, maintenance and enhancement	- develop a funding plan for Swansea's natural environment (2008)	BSP	CCS(nc) CCW		ESW(19-23) LBAP(8/15)

NE4: Promote awareness, access and enjoyment of the natural environment					
a) Promote and support wildlife gardening, school grounds initiatives, outdoor learning and community-led environmental enhancement schemes	see EA1b (page 20)	SEEF	CCS(nc)		ESW(27) LBAP(3/6/8/9/ 11/12/13/14) HSCW(PA4.5)
b) Provide opportunities for people to become involved in practical conservation work through volunteer tasks	see EA3 b (page22)	SEEF	CCS(nc)	Number of environmental volunteers	LBAP(1/6/7/9/ 13/14) HSCW(PA4.5)
c) Provide interpretative and promotional materials and events to promote awareness of and respect for important species, habitats, and publicly accessible sites	-adopt and implement an interpretation strategy for Gower AONB - produce a marine / coastal leaflet (August 2007)	CCS(aonb) CCS(nc)	Gower Forum SBP	Number of events in or about the natural environment Number of wildlife sites with information or publicity leaflets	ESW(29) LBAP(9/10/13)
d) Promote sustainable tourism initiatives, responsible leisure activities and enjoyment of the natural environment	- apply for European Charter for Sustainable Tourism in Protected Areas for the AONB	CCS(aonb)	Gower Forum		ESW(29) LBAP(3/10/13) HSCW(PA4.5)
e) Increase and improve Rights of Way network	- produce a Rights of Way Improvement Plan - increase percent of Rights of Way that are easy to use (55% by 2008 / 65% by 2010)	CCS(ca)	Swansea Access Forum	Length of easy-to-use footpaths and other rights of way	ESW(29) LBAP(10) HSCW(PA4.5)

The Built Environment and Energy

PRIORITIES AND ACTIONS	MILESTONES	LEAD BODY	PARTNERS	INDICATORS	REFERENCES
<i>BE1: Improve the quality and attractiveness of the city centre, other settlements, neighbourhoods and streetscapes</i>					
a) Promote high-quality, integrated and mixed-use developments which bring vitality and viability to settlements and improve access to well-managed and well-designed open spaces and pedestrian routes in the city centre and other settlements	<ul style="list-style-type: none"> - adopt and promote the City Centre Framework - adopt and apply Unitary Development Plan (2008) -adopt and promote design guidance for residential development and the AONB - organise and hold the annual Lord Mayor's Design Awards 	<p>CCP</p> <p>CCS(env)</p> <p>CCS(env)</p> <p>CCS(env)</p>	<p>CCS(reg)</p> <p>CCS(reg)</p>	Percentage of public satisfaction with the area	ESW(24)
b) Maximise the use of brownfield sites and reduce the number of disused buildings	<ul style="list-style-type: none"> - complete redevelopment of SA1 - complete redevelopment of riverside location 	<p>WAG</p> <p>CCS</p> <p>CCS</p>	<p>private and public developers</p>	Percentage of brownfield sites/disused buildings remaining	ESW(24) LBAP(3)
c) Keep the local environment visually attractive and free from litter, fly posting, dog fouling, graffiti, noise pollution and excessive light	<ul style="list-style-type: none"> - adopt new survey methods to measure street cleanliness - introduce fixed penalty notices (FPNs) for littering in the City Centre (April 2007) - introduce neighbourhood / zone street cleaning system 	<p>CCS(wm)</p> <p>CCS(wm)</p> <p>CCS(wm)</p>	<p>CCS(tre)</p> <p>CCS(pc)</p>	<p>Percentage cleanliness at high standard (LEAMS)</p> <p>Number of FPNs issued for dog fouling & littering</p>	ESW(24/28) HSCW(PA4.9)

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d) Support public art schemes	- develop and implement public arts frameworks in both SA1 and the City Centre	CCS(env) CCS(reg)			ESW(24)
BE2: Promote sustainable buildings and more efficient use of energy					
a) Encourage the use of sustainable building design and construction in existing and new developments	- produce a sustainable design guide for developers (April 2007) - distribute residents design guide to potential planning permission applicants - explore the development of an exemplar private housing development	CCS(sdu) CCS(pl) Swansea Buildings Forum			ESW(18/25)
b) Promote efficient use of energy in buildings, homes and workplaces	- increase the average SAP rating of Swansea homes to 65 or more - explore ways to increase the number of buildings meeting BREEAM / EcoHomes standards (very good to excellent rating) - reduce the CO ₂ emissions from CCS corporate buildings (6% of 2003/4 by 2006/7)	EAC Swansea Buildings Forum CCS(cp)		SAP rating for the City and County of Swansea Number of EcoHomes and buildings with BREEAM standard CO ₂ emissions in CCS corporate buildings (tonnes per m ²)	ESW(7/25/33)

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<p>c) Encourage the use of alternative technologies and renewable energy in existing and new developments</p>	<ul style="list-style-type: none"> - prepare a sustainable energy action plan for Swansea - prepare Supplementary Planning Guidance for energy - implement the Solar City Project to increase uptake of solar hot water systems in Swansea (250 solar panels by end of 2008) - prepare public information on renewable energy and energy efficiency (March 2007) 	<p>CCS(sdu)</p> <p>CCS(pl)</p> <p>Energytech Ltd</p> <p>EAC</p>	<p>CCS(cp)</p> <p>CCS(sdu)</p> <p>EC</p> <p>EC</p>		<p>ESW(7/25/33)</p>
<p><i>BE3: Ensure the supply of high-quality, affordable and social housing within mixed, settled and inclusive communities</i></p>					
<p>a) Provide a high standard of social housing that addresses the needs of the most vulnerable and meets the Wales Housing Quality Standard</p>	<p>- transfer council housing stock to community housing mutual (April 2006)</p>	<p>CCS(ho)</p>	<p>Tawe Housing (community housing mutual)</p>	<p>Proportion of social housing meeting WHQS</p>	<p>ESW(25)</p> <p>HSCW(PA4.8)</p>
<p>b) Ensure that new private housing developments include an appropriate level of affordable housing</p>	<p>- adopt and apply Unitary Development Plan (2008)</p>	<p>CCS(env)</p>	<p>CCS(ho)</p> <p>CCS(reg)</p>		
<p>c) Implement the Empty Property Strategy to bring empty homes back into use and repair or demolish problem buildings through enforcement</p>		<p>Empty Property Working Group</p>	<p>RSLs</p>	<p>Proportion of properties vacant</p>	<p>ESW(24)</p>

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				Number of homes brought back into use and number of problem buildings demolished or renovated	
d) Improve housing standards in the private sector	<ul style="list-style-type: none"> - implement new HMO Licensing Scheme (June 2006) - explore possible development of selective licensing scheme for single household properties - implement Safety Rating Scheme (June 2006) 	<p>CCS(env)</p> <p>CCS(env)</p> <p>CCS(env)</p>	Private Landlords Forum		HSCW(PA4.8)
e) Provide support to home-owners through implementing the Housing Renewal and Adaptation Policy, area renewal schemes and grant schemes.	<ul style="list-style-type: none"> - complete Hafod Renewal Programme (by 2010) - identify additional renewal programmes - administer disability grants, and renovation and repair grant schemes - support local Care and Repair schemes 	<p>CCS(reg)</p> <p>CCS(reg)</p> <p>CCS(ho)</p> <p>CCS(ho)</p>			<p>ESW(24)</p> <p>HSCW(PA4.8)</p>

BE4: Protect and promote historic buildings and heritage sites

a) Safeguard historic buildings, sites and monuments ensuring that regeneration schemes and developments are sensitive to an area's character and heritage	- establish a 'Buildings at Risk' register (April 2007)	CCS(env)		Number of buildings taken off / remaining on 'Buildings at Risk' register	ESW(24/26)
	- produce a design guide for development within the Gower AONB (April 2007)	CCS(env)			
	- establish a framework for undertaking Conservation Area appraisals (end of 2007)	CCS(env)	SCS, GGAT and other groups	Number of Conservation Area appraisals completed	
	- explore future development of local lists for buildings of local importance (2010)	CCS(env)	SCS, GGAT and other groups		
b) Improve access to and interpretation of valued buildings, sites and monuments in both urban and rural areas	- publish Swansea City Centre heritage trail (Autumn 2006) and develop further heritage trails (2007)	CCS(reg)	GGAT	Number of historic buildings and heritage sites interpreted	ESW(24/26)
	- develop interpretation strategy for Tawe Riverside Corridor (end of 2006)	CCS(reg)			
	- explore development of archaeological trail leaflets (2007)	GGAT	CCS(env)		
	- develop the annual 'Open House' events	Sylfaen Cynefin	SCS	Number of venues and visitors in 'Open House' events	

Water, Land and Waste Management

PRIORITIES AND ACTIONS	MILESTONES	LEAD BODY	PARTNERS	INDICATORS	REFERENCES
<i>WM1: Protect and improve river and ground water</i>					
a) Maintain quality of rivers to at least the levels of year 2000		EAW		Percentage watercourses achieving good status	ESW(13/35)
b) Identify, investigate and resolve diffuse water pollution including misconnections in sewage and surface water systems	<ul style="list-style-type: none"> - establish strategic partnership to tackle misconnection issues in Swansea Bay (2006) - identify and prioritise diffuse pollution issues on the Rivers Clyne, Lliw and Llan (2007) 	EAW EAW	Welsh Water CCS(pc)		ESW(13/35/36)
c) Ensure that farms, industrial estates and building developments are aware of their environmental obligations and are not causing pollution	- undertake targeted visits at sites across Swansea.	EAW			ESW(13/35/36)
d) Encourage water efficiency measures in industrial, business and domestic sectors		SEEF	EAW CCS(pl)		ESW(14)
e) Encourage the use of alternative drainage systems		EAW	CCS(pl)		ESW(8/13)
f) Develop and implement a local Catchment Abstraction Management Strategy (CAMS) to ensure sustainable use of surface and ground waters	<ul style="list-style-type: none"> - carry out consultation on the Tawe/Loughor CAMS - publish Tawe/Loughor CAMS (2007) 	EAW EAW	Tawe Loughor CAMS Stakeholder Group		ESW(8/13-15/ 35-36)

WM2: Maintain and improve bathing and drinking water quality					
a) Improve monitoring and modelling systems and inform the public on bathing water and drinking water quality issues	- validate a Swansea Bay model (2007)	CCS(pc)	EAW Welsh Water		ESW(13/15/22)
b) Improve water quality in Swansea Bay	- establish strategic partnership to improve water quality in Swansea Bay (2006)	EAW CCS(pc)	Welsh Water	Percentage of coastal waters at guideline standard for bathing water Number of Blue Flags / Green Coast Awards	ESW(13/22/35)
	- achieve Blue Flag for Swansea Bay (2010)	CCS(pc)	EAW Welsh Water		
c) Improve private water supply regulation		CCS(pc)			ESW(15)
WM3: Restrict development on flood plains, reduce flood risk and improve flood awareness					
a) Avoid inappropriate development on both river and coastal flood plains to reduce the number of properties at risk		EAW	CCS(pl)	Number of properties at high risk of flooding	ESW(8/31)
b) Promote greater awareness of flood risk and self-help practices	- increase use of the flood warning system	EAW		Number of residents and businesses on flood warning system	ESW(8/32)
WM4: Restore contaminated land ensuring minimum risks to the environment and public health					
a) Create a publicly accessible and detailed database and map of contaminated sites		CCS(pc)		Number of sites with sufficient contamination information	ESW(34)

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<p>b) Encourage safe and sustainable development in the Lower Swansea Valley and docks area</p>	<p>see BE1 b (page 8)</p>	<p>CCS(reg)</p>	<p>CCS(pc) CCS(pl)</p>	<p>Area of contaminated land remaining in Swansea</p> <p>Number of sites of potential concern in land contamination terms</p>	<p>ESW(34)</p>
<p>WM5: Reduce waste going to landfill and increase reuse, recycling and composting</p>					
<p>a) Promote waste minimisation and greater participation in reuse and recycling by householders and commercial organisations</p>	<p>- explore ways to introduce incentives and enforcement systems to encourage waste reduction and recycling</p>	<p>CCS(wm)</p>	<p>EC SCRAP</p>	<p>Average household waste arising</p>	<p>ESW(9/10)</p>
<p>b) Increase the range of materials collected through kerbside collection recycling schemes, civic amenity sites and community reuse projects</p>	<p>- introduce kitchen waste collection scheme (35,000 by Nov 2006)</p> <p>- extend kerbside collection of green waste</p> <p>- exceed 25% WAG target for recycling and composting (March 2007)</p> <p>- maintain Swansea Waste Forum and SCRAP</p> <p>- improve efficiency of source separation at Ccivic amenity sites</p>	<p>CCS(wm)</p> <p>CCS(wm)</p> <p>CCS(wm)</p> <p>CCS(wm) SCRAP</p> <p>CCS(wm)</p>	<p>SCWDC</p> <p>SCWDC</p> <p>SCRAP SCWDC</p> <p>EC</p>	<p>Percentage of municipal waste recycled or composted</p>	<p>ESW(9/10)</p>

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<p>c) Reduce fly tipping and illegal waste disposal</p>	<p>- develop <i>Pride In Our Communities</i> initiative (PIOC) and undertake a survey of businesses in Swansea</p> <p>- report incidents on <i>Fly Capture</i> to help inform future enforcement activity and community engagement.</p>	<p>EAW</p> <p>CCS(wm)</p>	<p>CCS(wm)</p> <p>EAW</p>	<p>Number of notices issued for fly tipping</p> <p>Number of incidents reported on <i>Fly Capture</i></p>	<p>ESW(28)</p>
<p>WM6: Identify suitable sites and sustainable technologies for dealing with waste</p>					
<p>a) Develop local / regional disposal and recycling facilities to minimise transport of waste</p>	<p>- initiate in-vessel composting (Nov 2006)</p> <p>- progress proposals for an integrated waste management solution</p> <p>- publication of Regional Waste Plan (March 2007)</p>	<p>CCS(wm)</p> <p>CCS(wm)</p> <p>Regional Waste Plan Groups</p>	<p>SCWDC</p> <p>CCS(pl)</p> <p>CCS(wm)</p>		<p>ESW(10/11)</p>
<p>b) Promote provision of appropriate recycling facilities in new developments</p>		<p>CCS(pl)</p>	<p>CCS(wm)</p>		<p>ESW(10/11)</p>

Sustainable Transport and Air Quality					
PRIORITIES AND ACTIONS	MILESTONES	LEAD BODY	PARTNERS	INDICATORS	REFERENCES
<i>ST1: Promote more sustainable forms of travel and transport</i>					
a) Support increased use of public transport	<ul style="list-style-type: none"> - support non-commercial bus services - develop infrastructure for Swansea Metro (services to start 2008/9) - redevelop Quadrant bus station (by 2008/9) 	CCS(tre) CCS(tre) CCS(tre)	bus companies	Modal split on key routes into Swansea	ESW(7) LTP(2/3/5-9)
b) Support increased walking and cycling	<ul style="list-style-type: none"> - extend the cycle network - complete Celtic Trail (Autumn 2007) - promote Safe Routes to School initiative 	CCS(tre) Sustrans CCS(tre)	Sustrans CCS(tre) SWWITCH CCS(ed)	Number of cyclists using Celtic Trail Number of Safe Routes to School schemes	ESW(7/30) LTP(2/3/4/6-9)
c) Support an increase in park and ride use	<ul style="list-style-type: none"> - establish park and ride facilities to north-west of city centre (by Nov 2006) - identify appropriate site to west of city centre 	CCS(tre)		Number using park and ride facilities Number of park and ride facilities	ESW(7) LTP(2-7/9)
d) Support an increase in car sharing	<ul style="list-style-type: none"> - promote the <i>swwitch2share</i> car sharing scheme 	CCS(tre)	SWWITCH	Number of matched trips on <i>swwitch2share</i> database	ESW(7) LTP(2/3/5-7/9)

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e) Explore ways to encourage more sustainable distribution and promote local procurement		Corporate Procurement Unit	CCS(sdu) Value Wales Sustainable Procurement Board		ESW(7) LTP(2/4-7)
<i>ST2: Improve access to services, workplaces and community facilities</i>					
a) Improve analysis and modelling of transport and accessibility and ensure all developments include local services, access to public transport, cycle routes and footpaths	- develop an accessibility indicator tool (by 2008) - improve access and transportation to and within Swansea Vale	SWITCH SNITI	CCS(tre) campaign groups	Accessibility index for Swansea	ESW(7/30) LTP(2-9)
b) Promote the production and use of effective travel plans	- develop Supplementary Planning Guidance on travel plans (by end of 2007)	CCS(tre)	SBATF SWITCH	Number of travel plans produced for public buildings and schools	ESW(30) LTP(1-9)
<i>ST3: Improve air quality and reduce air pollution</i>					
a) Deliver air quality action plan for Hafod and work towards exceeding National Standards	- complete Air Quality Progress Report (April 2007)	CCS(pc)		Number of days when air pollution is moderate or higher	ESW(7/33) HSCW(PA4.9)

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b) Develop a software-driven traffic management system for the Swansea Valley corridor	- develop Nowcaster model (Dec 2006) - test roadside messaging system (March 2007)	CCS(pc)			ESW(7/33) LTP(2/4/6-8)
<i>ST4: Improve air quality monitoring and reporting mechanisms</i>					
a) Increase monitoring for small particles and other pollutants	- develop monitoring regime for indoor air quality (March 2007) - develop PM2.5 data set (2007)	CCS(pc) CCS(pc)		Level of PM10s	ESW(33/38)
b) Build a detailed emissions database and modelling system		CCS(pc)			ESW(33)
c) Develop a personal pollution alerting system	- develop internet / emailing alerting service (2007)	CCS(pc)			ESW(33)

Environmental Awareness and Action: Action Plan

PRIORITIES AND ACTIONS	MILESTONES	LEAD BODY	PARTNERS	INDICATORS	REFERENCES
<i>EA1: Encourage and support good practice in ESDGC in local education establishments</i>					
a) Encourage wider school participation in environmental management systems such as Eco-Schools, the Swansea Schools Recycling Scheme and other local SD award schemes that support Eco-Schools	<ul style="list-style-type: none"> - increase number of schools achieving Eco-School levels and Green Flags - establish 100% participation in Swansea Schools Recycling Scheme (2007) -develop a local schools award scheme for water and energy management (2006) 	<ul style="list-style-type: none"> CCS(sdu) EC EC 	<ul style="list-style-type: none"> EC KWT CCS(wm) CCS(cp) 	<p>Number of Eco-School Green Flags (& other levels)</p> <p>Number of schools participating in local schemes</p>	<p>ESW(10/14)</p> <p>ESDGC(3.3.1)</p>
b) Develop a coordinated approach to supporting and promoting field studies and school/college grounds development, and increase use of local wildlife sites and projects	<ul style="list-style-type: none"> -produce audit of existing provision for outdoor learning (Summer 2006) - provide training for outdoor learning providers (Autumn 2006) - explore opportunities to increase resources available to support school grounds development 	<ul style="list-style-type: none"> SEEF SEEF SEEF 	<ul style="list-style-type: none"> CCS(nc) CCS(nc) CCS(nc) 	<p>Number of supported schools visits to key sites and facilities</p>	<p>ESW(5/29)</p> <p>ESDGC(3.4.5)</p> <p>LBAP(1/11/12)</p>
c) Provide support for teachers and lecturers through training and information provision and increase the number of schools and education providers working with SEEF	<ul style="list-style-type: none"> - provide an annual INSET programme for ESDGC - provide annual SEEF support directory and termly <i>green envelope</i> information packs 	<ul style="list-style-type: none"> SEEF SEEF 	<ul style="list-style-type: none"> CCS(ed) CCS(ed) 	<p>Number of INSETs and ADDs sessions provided on SDGC issues</p>	<p>ESW(5)</p> <p>ESDGC(3.4.1/3.4.5)</p> <p>LBAP(11/12)</p>

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	- organise annual SEEF networking events for teachers and lecturers	SEEF			
d) Improve the range of opportunities for adult education, training and research linked to sustainable development	- provide a directory of SD courses - develop a Foundation Certificate in SD (Sep 2006) - develop performance indicator framework for SD in FE/HE sector	SEEF(he) UWS SEEF(he)	SIHE / UWS	Number of SD course attendees Number of SD courses in directory	ESW(5) LBAP(1/12-14)
e) Support schools, colleges and universities to develop and implement policies for sustainable development	- every school to produce an SDGC policy (July 2007) - support local colleges / universities in adopting EMS - explore opportunities to extend local schools SD award schemes to colleges and universities	CCS(ed) SEEF(he) SEEF(he)	SEEF EC EC	Number of schools with SD policy	ESW(10/14) ESDGC(3.3.1/ 6.3.1/6.3.4/ 7.3.1) LTP(1) LBAP(4/12)
EA2: Actively promote sustainable living					
a) Improve and promote access to good quality information, guidance and support on environmental events, issues and good practice	- publish regular <i>Green Light</i> newsletter (10 per year) - develop comprehensive <i>sustainableswansea</i> website and Green Mapping projects - update local produce and Fairtrade directories (2007)	EC Sustainable Swansea Sustainable Swansea / SFTF		Number of hits on Sustainable Swansea and EC websites	ESW(5/6) LBAP(12/13)

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	- participate in Freshers Week and organise annual FE/HE Environment Week	SEEF(he)			
b) Provide a programme of environmental events and activities for people of all ages and increase the number of events and attendance	<ul style="list-style-type: none"> - publish annual environmental events leaflet - organise a major SD event and green-up mainstream events (Spring/Summer 2007) - co-ordinate <i>Sustainable Living</i> touring exhibition 	<p>SEEF</p> <p>Sustainable Swansea</p> <p>Sustainable Swansea</p>	<p>CCS(nc)</p> <p>SEEF</p> <p>EC</p>	Number attending environmental events	<p>ESW(5/6)</p> <p>LBAP(12/13)</p>
c) Improve the range of opportunities for informal education and training linked to sustainable development	<ul style="list-style-type: none"> - provide a directory of SD courses - develop community training workshops and talks on SD themes 	<p>SEEF(he)</p> <p>Sustainable Swansea</p>	<p>SIHE / UWS</p> <p>EC</p>	Number of participants in training workshops	<p>ESW(5/6)</p> <p>LBAP(12/13)</p>
EA3: Promote active citizenship and increased participation in decision-making processes					
a) Develop training opportunities related to community engagement, active citizenship and governance	<ul style="list-style-type: none"> - investigate opportunities for delivering SD training for CCS elected members (2007) - provide SD training for community regeneration workers (2007) - investigate opportunities for providing community participation training for ESDGC practitioners (2007) 	<p>CCS(sdu)</p> <p>Sustainable Swansea</p> <p>SEEF</p>	<p>SEEF</p> <p>SEEF</p>		<p>ESW(3/6)</p> <p>ESDGC(4.2.1/4.2.3/7.2.4)</p>

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<p>b) Encourage and support active participation and volunteering in environmental and SD projects</p>	<p>- review opportunities and support for volunteering in environmental projects in Swansea</p> <p>- seek resources to employ an Environmental Youth Worker</p>	<p>SEEF</p> <p>SEEF</p>	<p>CCS(nc)</p>	<p>Number of volunteer hours in environmental projects</p>	<p>ESW(5/6/24)</p> <p>ESDGC(4.2.1)</p> <p>LBAP(1/14)</p> <p>HSCW(PA4.5)</p>
<p>c) Support and strengthen partnership initiatives and voluntary environmental organisations</p>	<p>- maintain SEEF and its subgroups for schools, youth and adult education</p> <p>- maintain SEF to co-ordinate and monitor delivery of the environment strategy and action plan</p> <p>- ensure the Environment Centre is maintained and developed as a focus for environmental information, education and action</p>	<p>SEEF</p> <p>SEF</p> <p>EC</p>	<p>CCS(env) CCS(ed)</p> <p>CCS(env)</p> <p>SEF SEEF</p>		<p>ESW(4/5)</p> <p>ESDGC(3.3.4/ 3.4.1/7.4.1)</p> <p>LBAP(9/11-13)</p>
<p><i>EA4: Encourage good environmental practice amongst organisations and businesses</i></p>					
<p>a) Encourage participation in Green Dragon Awards and other environmental management schemes and increase the number of organisations implementing environment and/or SD policies</p>	<p>- at least 44 local businesses and organisations to reach Green Dragon level 2 or more (March 2007)</p>	<p>Arena Network</p>		<p>Number of Green Dragon Awards (level 2+) or other EMS</p>	<p>ESW(10/12/14)</p> <p>LTP(1)</p> <p>LBAP(4)</p>
<p>b) Encourage organisations to provide SD training for staff as part of induction or CPD programmes and promote SD champion schemes in organisations and communities</p>	<p>- initiate inclusion of SD training in CCS induction and CPD programmes (2006)</p> <p>- ensure SD training is included in HE induction and CPD programmes (2006)</p>	<p>SEEF(he)</p> <p>UWS SIHE</p>	<p>CCS(sdu)</p> <p>SEEF(he)</p>		<p>ESW(5/6)</p> <p>ESDGC(5.2.4/ 6.1.3/7.1.2)</p>

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<p>c) Promote good practice by developing and maintaining the Swansea Sustainability Trail, the <i>Swansea Green Map</i> and annual Sustainable Swansea Awards</p>	<p>- develop a trail of 25 projects (April 2007) - organise annual SD awards</p>	<p>Sustainable Swansea Sustainable Swansea CCS(sdu)</p>	<p>EC</p>		<p>ESW(5/6) LBAP(12-14)</p>
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SWANSEA ENVIRONMENT STRATEGY ACTION PLAN: PROFORMA

If you would like actions undertaken by your organisation to be included in future editions of this Action Plan, please complete this proforma, outlining the actions and indicating which priorities they will contribute to achieving. Alternatively, the proforma can be completed online at www.environmentcentre.org.uk and emailed to sefstrategy@environmentcentre.org.uk.

Organisation: _____ Contact Name: _____

Telephone: _____ Email: _____

PRIORITIES AND ACTIONS	MILESTONES	LEAD BODY	PARTNERS	INDICATORS	REFERENCES
<i>(Priority)</i>					
<i>(Priority)</i>					

Please send completed proforma(s) to Swansea Environmental Forum, c/o The Environment Centre, Pier Street, Swansea SA1 1RY
 For further information, contact the Environment Centre on (01792) 480200 or visit the website www.environmentcentre.org.uk