

Swansea Environment Strategy



ACTION PLAN 2010-12

SWANSEA ENVIRONMENTAL FORUM

2ND EDITION (24th September 2010)

INTRODUCTION

This Action Plan should be read 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

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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.

The Strategy presents a '2020' vision for each of five key themes; along with strategic priorities; and indicators to assess progress. These visions, priorities and indicators were developed and agreed through consultation with a wide range of partners.

The Natural Environment and Biodiversity (see page 4)

The Built Environment and Energy Use (see page 9)

Water, Land and Waste Management (see page 15)

Sustainable Transport and Air Quality (see page 18)

Environmental Awareness and Action (see page 22)

ACTION PLAN

This is the third Action Plan developed in support of the Strategy. It follows the same thematic arrangement as the Strategy with actions and indicators listed under each of the strategic priorities. The general actions were agreed through consultation when the first Action Plan was prepared in 2006 but the specific actions are collated biennially.

The successful implementation of the Strategy and Action Plan depend on the continued engagement of decision-makers, practitioners and communities, and on collaborative working and the forging of new partnerships.

For each action listed in this action plan, a lead body has been identified and, where appropriate, key partners.

A full list of the current indicators, and the source of data for them, is provided on pages 28–29. Some of these indicators are not yet functioning and so it is likely that the indicator set will be reviewed and amended within the next two years.

REVIEW AND EVALUATION

This Action Plan is very much a working document with a limited lifespan. It is intended that it will next be reviewed and evaluated in Spring 2012. However, it is also anticipated that from time to time additional actions and partners may be identified, requiring amended editions to be produced.

PROFORMA

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

GLOSSARY OF ABBREVIATIONS

LEAD BODIES AND PARTNERS

BTCV – British Trust for Conservation Volunteers

CCS – City and County of Swansea:

CCS(cbp) – Corporate Building and Property Services

CCS(cpt) – Corporate Projects Team

CCS(ca) – Countryside Access Team

CCS(ct) – Culture and Tourism

CCS(ed) – Education Directorate

CCS(en) – Environment Directorate

CCS(ep) – Environmental Protection

CCS(aonb) – Gower AONB Team

CCS(hra) – Housing Renewal and Adaptations

CCS(ho) – Housing Services

CCS(ls) – Legal Services

CCS(nc) – Nature Conservation Team

CCS(pl) – Planning Services

CCS(pc) – Pollution Control Division

CCS(pt) – Procurement Team

CCS(reg) – Regeneration Directorate

CCS(rst) – Road Safety Team

CCS(sp) – Strategic Procurement

CCS(sdu) – Sustainable Development Unit

CCS(tr) – Transportation Division

CCS(wm) – Waste Management Division

CCW – Countryside Council for Wales

D2E – Down to Earth Project

EAW – Environment Agency Wales

EC – Environment Centre

FC – Forestry Commission

GGAT – Glamorgan Gwent Archaeological Trust

GCF – Gower Countryside Forum

KWT – Keep Wales Tidy

MDT – Mumbles Development Trust

MTIC – Mumbles Tourist Information Centre

NT – National Trust

RAG – Relevant Authorities Group

RSL – Registered Social Landlord

RSPCA – Royal Society for the Protection of Animals

SWWITCH – South-West Wales Integrated Transport Consortium

SBP – Swansea Biodiversity Partnership

SCWDC – Swansea City Waste Disposal Company

SCF – Swansea Community Farm

SCRAP – Swansea Community Recycling Alliance & Partnership

SEEF – Swansea Environmental Education Forum

SEF – Swansea Environmental Forum

SMU – Swansea Metropolitan University

SRDP – Swansea Rural Development Partnership

SWF – Swansea Waste Forum

WAG – Welsh Assembly Government

WTSWW – Wildlife Trust for South and West Wales

OTHER ABBREVIATIONS

AONB – Area of Outstanding Beauty

BREEAM – BRE Environmental Assessment Method

CAMS – Catchment Abstraction Management Strategy

CSH – Code for Sustainable Homes

CPD – continuing professional development

ESDGC – education for sustainable development and global citizenship

EMS – environmental management system

FE – further education

HE – higher education

INSET – in-service training (for teachers)

LBAP – Local Biodiversity Action Plan

LDP – Local Development Plan

LNR – Local Nature Reserve

NERC – Natural Environment and Rural Communities Act

RDP – Rural Development Plan

SINC – Site of Interest for nature Conservation

SSSI – Site of Special Scientific Interest

SAC – Special Area of Conservation

SPG – Supplementary Planning Guidance

SD – sustainable development

WHQS – Welsh Housing Quality Standard

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NATURAL ENVIRONMENT AND BIODIVERSITY			
GENERAL ACTIONS	SPECIFIC/ADDITIONAL ACTIONS	LEAD BODY	PARTNERS
<i>NE1: Establish and maintain data on the natural environment and monitor actions and change</i>			
a) Monitor habitats and species identified in the Local Biodiversity Action Plan	i) agree indicator species to be used for strategy indicator ii) undertake Swansea pond survey iii) continue Swansea urban bat survey	SBP CCS(nc) CCS(nc)	CCW, EAW BCT
b) Maintain data on geological sites and landscape features using LANDMAP			
c) Maintain a local database of biological survey information and support the Local Biodiversity Records Centre	i) develop further links with SEWBREC (South East Wales Biodiversity Records Centre) ii) review and update BARS framework and actions iii) increase use of the BARS online recording system iv) undertake SINC verification Survey v) complete green space assessment	CCS(nc) SBP CCS(nc) CCS(nc) CCS(nc)	SBP SBP
d) Map and assess the use of green spaces across the county, identifying sites for potential habitat creation and access improvements	i) publish Green Map of green spaces in Swansea (hard copy and online) ii) develop a strategy for improving access to and use of green spaces in Swansea	CCS(nc) CCS(nc)	Sustainable Swansea (SEF) SBP, CCS(ca)
e) Map and monitor invasive and non-native species	i) launch website for the control of Japanese Knotweed and other invasive species ii) provide training on invasive species ii) undertake trials of natural control of Japanese Knotweed	CCS(nc) WAG DEFRA, WAG	CCS(nc) CCS(nc)

INDICATORS: Trends in a selection of key indicator species

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<i>NE2: Protect and safeguard our valued natural assets and halt loss of biodiversity</i>			
a) Identify and adopt Sites of Interest for Nature Conservation (SINCs), designate new Local Nature Reserves (LNRs) and consider extending Gower AONB	i) seek the adoption of SINCs as Supplementary Planning Guidance ii) identify and designate additional sites as LNRs and/or extend existing LNRs	CCS(nc) CCS(nc)	
b) Ensure that the features of local Natura2000 sites (SACs, SSSIs, SPAs, Ramsar) are in favourable condition	i) complete actions in the new CCW Site Actions Database (5 actions in 2010/11) to contribute to getting statutory sites into favourable conservation management, and support partners in completing actions assigned to them ii) ensure Swansea Bay Management Plan supports the achieving of favourable condition status for Blackpill SSSI iii) seek sustainable solutions for the management of the Gower Commons iv) prepare management Scheme for Carmarthen Bay and Estuaries EMS (European Marine Site) v) promote awareness of ecosystem benefits of biodiversity	CCW CCS(nc) CCS(nc), CCS(aonb) Carmarthen Bay EMS RAG CCS (NC)	GCI SBP
c) Encourage organisations and developers to adopt policies and practices to protect biodiversity	i) secure funding to employ a NERC officer ii) prepare CCS corporate biodiversity action plan engaging all council departments iii) provide training and advice on NERC duty to public bodies in Swansea iv) employ LBAP officer	CCS(nc) CCS(nc) CCS(nc) CCS(nc)	Swansea University
d) Implement Swansea's Biodiversity Action Plan and the Gower AONB Management Plan	i) undertake review of Swansea Biodiversity Action Plan supported by four ecosystem subgroups ii) publish and promote revised Swansea Biodiversity Action Plan iii) review Gower AONB Management Plan and produce new plan (by March 2011)	CCS(nc) CCS(nc) CCS(aonb)	SBP SBP GCF

INDICATORS:

Total area of LNRs, AONB and SINCs

Percentage of SAC and SSSI features in or recovering towards favourable condition

Percentage loss of important habitats

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NE3: Maintain and enhance the quality and diversity of the natural environment			
<p>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</p>	<p>i) complete reviews and updates, as required, of published core management plans for SACs ii) update management plans for all LNRs iii) improve management of selected SINC's through the council's Communities and Nature Programme iv) explore the potential of the Llys Nini site for developing an otter release station v) reduce scrub at the Llys Nini site to improve purple moor grass fen habitat vi) improve four or five habitats at the Llys Nini site as part of a Communities and Nature project vii) create coastal grazing marsh at Llanrhidian (at least 2.5 hectares new habitat) viii) create and restore wetland habitats (create 20 new ponds / improve condition of 4 existing pond) ix) secure resources for the sustainable management of 4 areas of woodland in the Mumbles area.</p>	<p>CCW CCS(nc) CCS(nc) RSPCA Lys Nini RSPCA Lys Nini BTCV EAW CCS(nc) MDT</p>	<p>SBP RSPCA Lys Nini EAW EC, CCS(nc), FC</p>
<p>b) Coordinate an integrated approach to managing Swansea's coastal and marine environments through a Swansea coastal and marine partnership</p>	<p>i) establish a broad local forum or network for coastal and marine management ii) establish a Swansea Bay Management Plan steering group iii) maintain marine and coastal ecosystems subgroup iv) reduce the number of pollution sources to improve compliance with the Shellfish Waters Directive in Swansea Bay</p>	<p>CCS(nc) CCS(nc) SBP EAW</p>	<p>SBP</p>
<p>c) Promote the adoption of quality standards for nature reserves, coastal areas and other publicly accessible wildlife sites and green spaces</p>	<p>i) increase the number of parks with Green Flags (one new park in 2011) ii) retain Green Pennant Award for Oystermouth Castle Woods</p>	<p>CCS(parks) MDT</p>	<p>EC</p>
<p>d) Encourage sustainable farming practices through participation in agri-environment schemes</p>	<p>i) encourage continued participation in current agri-environment schemes, building in resource management plans and targeting species where appropriate ii) improve awareness and encourage uptake of future agri-environment schemes (both levels of Glas Tir)</p>	<p>WAG WAG</p>	

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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	i) continue to explore opportunities for visitor payback and user charging schemes ii) increase the funding secured for biodiversity through 106 agreements	CCS(nc) CCS(nc)	CCS(pl)
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INDICATORS: Percentage area of SINCs under favourable management
 Number of Green Flags and Green Pennants
 Percentage of land managed under agri-environment agreement (by scheme)

<i>NE4: Promote awareness, access and enjoyment of the natural environment</i>			
a) Promote and support wildlife gardening, school grounds initiatives, outdoor learning and community-led environmental enhancement schemes	i) prepare best practice guidance for school grounds development and use ii) organise teachers' conference on school grounds development and use iii) seek funding for an outdoor learning development officer iv) update and republish outdoor learning directory v) implement recommendations of out-of-classroom learning in Swansea research report vi) expand the 'Wild for Woods' schools programme at Penllergare Valley Woods and promote the site for use as and outdoor classroom and venue for environmental workshops vii) organise workshops to encourage the setting up of community gardens using organic and permaculture principles viii) work with 2 schools per year on Gower developing sustainable school grounds and outdoor learning spaces/classrooms	SEEF SEEF SEEF SEEF SEEF Penllergare Trust Transition Swansea D2E	CCS(nc) CCS(nc) CCS(nc) CCS(nc) CCS(nc), CCW
b) Provide opportunities for people to become involved in practical conservation work through volunteer tasks	i) establish volunteering opportunities through Communities and Nature projects ii) establish Friends of Bishops Wood scheme iii) enhance volunteering opportunities for the upkeep of Penllergare Valley Woods iv) facilitate 3,000 volunteer hours through environmental work	CCS(nc), BTCV, Groundwork CCS(nc) Penllergare Trust BTCV	Gorseinon Trust, RSPCA Lys Nini

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	<p>v) provide regular volunteer opportunities in practical conservation, traditional/sustainable farming and building (100 beneficiaries per year)</p> <p>vi) establish shared volunteer scheme for conservation work on Gower (from April 2010)</p> <p>vii) support the Mumbles Green Action Team volunteers and organise volunteer activities such as woodland management, litter picks, beach cleans and guided walks</p>	<p>D2E</p> <p>CCS(aonb)</p> <p>MDT</p>	<p>CCW, NT, WTSWW EC, MTIC</p>
<p>c) Provide interpretative and promotional materials and events to promote awareness of and respect for important species, habitats, and publicly accessible sites</p>	<p>i) publish leaflet on Clyne Valley Country Park</p> <p>ii) produce new ecosystems displays</p> <p>iii) promote Wales Biodiversity Week with a programme of events and on the BBC big screen in Castle Square</p> <p>iv) improve and complete nature and heritage trails at Llys Nini site (by 2012)</p> <p>v) publish Green Map of green spaces in Swansea</p> <p>vi) develop the interpretation of Penllergare Valley Woods, including the introduction of an e-trail</p> <p>vii) publish two Gower Coastal Path leaflets (by end of March 2010)</p> <p>viii) produce cycling and walking leaflet for Gower and Mawr (June 2010)</p> <p>ix) publish annual environmental events leaflet</p>	<p>CCS(nc)</p> <p>CCS(nc)</p> <p>CCS(nc)</p> <p>RSPCA Llys Nini</p> <p>CCS(nc)</p> <p>Penllergare Trust</p> <p>CCS(ca)</p> <p>CCS(ct)</p> <p>CCS(nc)</p>	<p>SBP</p> <p>Sustainable Swansea (SEF)</p> <p>SRDP</p> <p>SEEF</p>
<p>d) Promote sustainable tourism initiatives, responsible leisure activities and enjoyment of the natural environment</p>	<p>i) promote sustainable tourism through a programme of courses in traditional/sustainable building in Swansea and adventure activities on Gower (150 beneficiaries per year)</p> <p>ii) support the Mumbles Green Action Team volunteers to develop a series of guided walks and provide active support for the Gower Walking Festival</p>	<p>D2E</p> <p>MDT</p>	<p>MTIC, EC</p>
<p>e) Increase and improve Rights of Way network</p>	<p>i) complete and improve the Gower Coastal Path</p> <p>ii) open all bridleways ensuring that obstructions are removed and that they are legally defined and signposted (by 2012)</p> <p>iii) improve all paths in the Coastal Access Zone to the 'easy to use' standard (by March 2011)</p> <p>iv) complete two circular walks for Mawr and accompanying leaflets (by February 2011)</p>	<p>CCS(ca)</p> <p>CCS(ca)</p> <p>CCS(ca)</p> <p>CCS(ca)</p>	<p>SRDP</p>

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INDICATORS: Number of wildlife sites with interpretative information
 Length of easy-to-use footpaths and other rights of way
 Number of people accessing key sites

The Built Environment and Energy			
GENERAL ACTIONS	SPECIFIC/ADDITIONAL ACTIONS	LEAD BODY	PARTNERS
<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	i) complete the Tawe Riverside Green Infrastructure Strategy and Master Plan (Spring 2010) ii) improve the streetscape at the western end of Oxford Street and adjoining streets, promoting the development of the old school site and building improvements in the area iii) develop the conceptual designs and detailed transport analysis for the European Boulevard scheme and begin the first phase of work (2011/2012) iv) deliver an action programme for the enhancements and improvements in and around the town centres of Pontardulais and Clydach v) work with a range of urban community groups such as youth centres, homeless projects, etc in the development of sustainable grounds, food growing areas and sustainable buildings vi) organise annual Gower Society Design Awards vii) complete refurbishment and conversion of former Swansea Central Police Station (Grade 2 listed building) for provision of student accommodation, artists' studios, conference facilities, commercial offices and Arts Cafe/Bar (by 2011)	CCS(sdu) CCS(reg) CCS(reg) CCS(reg) D2E Gower Society Grwp Gwalia Cyf	CCS(pl)
b) Maximise the use of brownfield sites and reduce the number of disused buildings	i) undertake further infrastructure works at the Felindre site ii) complete SA1 waterfront development of 69 affordable homes (by March 2011)	CCS(reg) Coastal Housing Group	

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c) Keep the local environment visually attractive and free from litter, fly posting, dog fouling, graffiti, noise pollution and excessive light	i) introduce <i>Streetscene</i> approach to highway maintenance, street cleansing and grounds maintenance (April 2011)	CCS(wm)	KWT
	ii) fund and support local environmental quality initiatives through <i>Tidy Towns</i> scheme including 6 major clean ups	CCS(wm)	
	iii) support the Mumbles Green Action Team volunteers and organise volunteer activities such as woodland management, litter picks, beach cleans and guided walks	MDT	EC, MTIC
d) Support public art schemes	i) complete Ice House Square (SA1) public art lighting project (autumn 2010)	CCS(reg)	WAG
	ii) undertake community arts project in Eastside / SA1 (summer / autumn 2010)	CCS(reg)	WAG
e) Prepare the Local Development Plan to provide a vision for land use planning and promote sustainable development	i) initiate the formal commencement of the LDP process (August 2010)	CCS(pl)	
	ii) establish and develop evidence base	CCS(pl)	
	iii) engage stakeholders on the preparation of the LDP and build consensus (2010 – 2012)	CCS(pl)	
	iv) establish and undertake the Candidate Sites process (2010 – 2011)	CCS(pl)	
	v) prepare and agree Vision, Objectives and Strategic Options (2010 – 2011)	CCS(pl)	
	vi) establish principles and apply Sustainability Appraisal, Strategic Environmental Assessment and Habitats Regulations Assessment	CCS(pl)	
	vii) prepare and consult on the Preferred Strategy and inform the Deposit LDP (2011 – 2012)	CCS(pl)	

INDICATORS: Percentage of public satisfaction with their local area
 Percentage cleanliness at high standard

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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	i) seek to introduce new equipment to lower our impact on the environment as part of college infrastructure refurbishments ii) endeavour to increase the use of natural ventilation and light where possible within the built environment of the college iii) complete SA1 waterfront development of 69 affordable homes constructed to meet CSH level 4 with community energy scheme and 'brown roof' (by March 2011) iv) incorporate fixed structural elements in new developments to meet CSH level 4 requirements	Swansea College Swansea College Coastal Housing Group Coastal Housing Group	
b) Promote efficient use of energy and encourage the use of alternative technologies and renewable energy in existing and new developments	i) install an array of 45 PV panels to roof of Mount Pleasant campus library to generate 8kW of energy (Easter 2010) ii) install solar water heating (3 panels) and a grey water reuse system at the Townhill campus iii) continue to reduce carbon emissions at Swansea Metropolitan University by 8% each year iv) provide educational opportunities on solar technologies at D2E site and support the installation of renewable technologies on other sites v) upgrade heating control systems in a range of council non-domestic properties vi) instal automatic metering (AMR) into all council non-domestic properties vii) install 12 PV panels (3kW) at Tycoch campus to support training courses in renewable energy viii) seek to introduce new equipment to lower our impact on the environment as part of college infrastructure refurbishments ix) endeavour to increase the use of natural ventilation and light where possible within the built environment of the college	SMU SMU SMU D2E CCS(cbp) CCS(cbp) Swansea College Swansea College Swansea College	

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c) Improve policy, guidance and strategic action planning for energy efficiency and renewable energy	i) deliver a city-wide private sector house condition and energy efficiency survey ii) register for the carbon credit scheme and establish baseline data for carbon emissions from council non-domestic properties	CCS(hra) CCS(cbp)	
d) Increase the amount of locally-generated electricity from renewable sources			

INDICATORS: SAP rating for housing in Swansea
Number of developments meeting Ecohomes or BREEAM standards
CO₂ emissions from council buildings

<i>BE3: Ensure the supply of high-quality, affordable and social housing within mixed, settled and inclusive communities</i>			
a) Provide a high standard of social housing that addresses the needs of the most vulnerable and meets the Wales Housing Quality Standard	i) target council housing stock investment on improving the structure and fabric of properties, including thermal efficiency measures ii) consult with tenants and other stakeholders on the future aim of meeting WHQS for council housing stock iii) complete social housing element of Viridian development in St.Thomas to WHQS and Code for Sustainable Housing level 3+ with solar water heating and heat recovery units iv) complete supported housing development in Swansea High Street with combined heat and power unit and under floor heating v) develop 14 affordable flats for older residents at the site of former Health Centre, Clydach (by 2012) vi) develop 26 affordable flats along with 2 ground floor commercial units on the site of the former Roma Fish Bar in Gorseinon (by 2012) vii) complete refurbishment and rooftop extension of former Barons Night Club to provide 36 affordable homes to CSH level 3+ with community energy scheme (by summer 2011)	CCS(ho), CCS(reg) CCS(ho) Family Housing Association Family Housing Association Grwp Gwalia Cyf Grwp Gwalia Cyf Coastal Housing Group	Taylor Wimpey

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	viii) complete development of 79 affordable homes to CSH 3+ level as part of Urban Village in Swansea High Street (by April 2011) vii) complete development of 112 homes in Cwmmfelin	Coastal Housing Group Coastal Housing Group	
b) Encourage new private housing developments to include an appropriate level of affordable housing	i) consider appropriate delivery of affordable housing on each site that meets the target criteria as laid out in the UDP ii) deliver 907 new affordable housing units over the period 2007-2011, as outlined in the Affordable Housing Delivery Statement	CCS(ho), CCS(pl), CCS(reg), CCS(ho), CCS(pl), CCS(reg)	private developers, RSLs, WAG private developers, RSLs, WAG
c) Implement the Empty Property Strategy to bring empty homes back into use and repair or demolish problem buildings through enforcement	i) produce new Empty Property Strategy (by end of 2010) ii) complete a further two enforced sale procedures including one preferred purchaser iii) identify one high priority empty property for compulsory purchase order (CPO) procedure	CCS(ep) CCS(ep) CCS(ep)	CCS(ho) RSLs, CCS(ho) CCS(ls, ho)
d) Improve housing standards in the private sector	i) deliver a city-wide private sector house condition and energy efficiency survey	CCS(hra)	
e) Provide support to home-owners through implementing the Housing Renewal and Adaptation Policy, area renewal schemes and grant schemes	ii) improve private sector homes through the Hafod Renewal Area programme; Homefix Loans, Energy Efficiency; Disabled Facilities Grant and adaptations programmes	CCS(hra)	

INDICATORS:

Proportion of social housing meeting WHQS

Proportion of private housing left vacant

Number of homes brought back into use and problem buildings demolished or renovated (since 2000)

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BE4: Protect and promote historic buildings and heritage sites			
<p>a) Safeguard historic buildings, sites and monuments ensuring that regeneration schemes and developments are sensitive to an area's character and heritage</p>	<p>i) restore parts of the historic landscape at Penllergare Valley Woods ii) complete and publish Gower AONB Design Guide (by March 2011) iii) establish network of <i>AFORDIR Volunteers</i> to monitor condition of sites and monuments around the coast in response to coastal erosion and sea-level rise (by end of March 2011) iv) complete Gower AONB Highways Design Good Practice Guide (by March 2011) v) undertake conservation works at Oystermouth Castle (completion by 2014) vi) commence restoration work on Cwmdonkin Park (from January 2012) vii) commission a development study for Swansea Castle and the surrounding area to include conservation, access and interpretation (report produced by end of 2010)</p>	<p>Penllergare Trust CCS(aonb) GGAT CCS(aonb) CCS(ct) CCS(ct) CCS(reg)</p>	<p>CCW Cadw Cadw Cadw Cadw WAG</p>
<p>b) Improve access to and interpretation of valued buildings, sites and monuments in both urban and rural areas</p>	<p>i) develop the interpretation of Penllergare Valley Woods including the introduction of an e-trail ii) seek funding for a series of heritage trails across Swansea and Gower iii) secure funding for and hold annual Open House event to provide free access to a range of Swansea's built heritage not normally accessible to the public iv) create leaflet providing details of Gower historic churches (by Autumn 2010) v) provide information on GGAT website on ten sites and monuments to visit within the City and County of Swansea (by end of March 2012) vi) open new visitor facility (Alina's Chapel) at Oystermouth Castle (by Summer 2011)</p>	<p>Penllergare Trust CCS(ct) Sylfaen Cynefin GGAT GGAT CCS(ct)</p>	<p>CCS(reg) Trilein, CCS(reg), Civic Trust Wales Cadw, Church in Wales Cadw, Church in Wales</p>

INDICATORS: Percentage of buildings at each level on the 'Buildings at Risk' register
 Number of venues and visitors in 'Open House' events
 Number of historic buildings, heritage sites and character areas interpreted

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WATER, LAND AND WASTE MANAGEMENT			
GENERAL ACTIONS	SPECIFIC/ADDITIONAL ACTIONS	LEAD BODY	PARTNERS
<i>WM1: Protect and improve river and ground water</i>			
a) Maintain quality of rivers to at least the levels of year 2000	i) undertake investigations on failing water bodies and devise a programme of measures to ensure compliance with the European Water Framework Directive	EAW	
b) Identify, investigate and resolve diffuse water pollution including misconnections in sewage and surface water systems	i) maintain the Bathing Water Quality Working Group to ensure collaboration in reducing the number of pollution sources impacting on Swansea Bay	EAW	CCS(pc), WW
	ii) reduce the number of pollution sources to improve compliance with the Shellfish Waters Directive in Swansea Bay	EAW	
c) Ensure that farms, industrial estates and building developments are aware of their environmental obligations and are not causing pollution	i) undertake targeted pollution prevention work in Llansamlet area	EAW	
d) Encourage water efficiency measures in industrial, business and domestic sectors			
e) Encourage the use of alternative drainage systems			
f) Implement the local Catchment Abstraction Management Strategy (CAMS) to ensure sustainable use of surface and ground waters			

INDICATORS: Percentage of watercourses achieving good status

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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	i) secure funding to enable extensive sampling and data collection in Swansea Bay to support the development of an accurate modelling system ii) establish procedures for informing the public on bathing water quality in compliance with the new directive	CCS(pc) CCS(pc)	EAW
b) Improve water quality in Swansea Bay	i) maintain the Bathing Water Quality Working Group to ensure collaboration and resource efficiency in improving bathing water quality	EAW	CCS(pc), WW
c) Improve regulation of private water supplies	i) implement a private water supply inspection programme that incorporates a risk assessment based approach and a charging scheme in line with new regulations	CCS(pc)	

INDICATORS: Percentage of coastal waters at guideline standard for bathing water
Number of Blue Flags / Green Coast Awards

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			
b) Promote greater understanding and awareness of flood risk from rivers, the sea, surface and ground water and the risks of coastal erosion	i) understand and quantify flood risks in the Swansea Bay area to meet the objectives of the Flood and Water Bill and the Environment Agency community flood risk register	EAW	
c) Encourage and support actions to reduce flood risk	i) increase number of households and businesses at high risk of flooding that receive / take up Environment Agency warnings ii) promote the use of tree planting to slow the run-off of rainfall in Penllergare Valley Woods	EAW Penllergare Trust	Resilience Forum

INDICATORS: Number of properties at high risk of flooding

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WM4: Restore contaminated land ensuring minimum risks to the environment and public health			
a) Ensure that information on contaminated land is maintained and made publicly accessible	i) undertake a review of the Contaminated Land Inspection Strategy ii) develop a map of contaminated sites that is accessible to the public	CCS(pc) CCS(pc)	
b) Encourage safe and sustainable development in the Lower Swansea Valley and docks area			

INDICATORS: Area of contaminated land remaining in Swansea

WM5: Reduce waste going to landfill and increase reuse, recycling and composting			
a) Promote waste minimisation and greater participation in reuse and recycling by householders and commercial organisations	i) promote waste reduction, reuse and greater recycling participation through participation surveys, road shows, door-knocking and extensive advertising ii) increase commercial waste recycling by introducing customer waste audits (June 2010) iii) coordinate Wise up to Waste week of events to promote positive attitudes to waste management (June 2010 / 2011) iv) organise annual open waste forum (question time) v) maintain Swansea Waste Forum website and launch online A-Z directory of waste iv) develop and increase outlets for the Ennini Upcycled Range	CCS(wm) CCS(wm) CCS(wm) SWF SWF RSPCA Llys Nini	SWF CCS(wm) CCS(wm)
b) Increase the range of materials collected through kerbside collection recycling schemes, civic amenity sites and community reuse projects	i) introduce kerbside plastic collections (May/June 2010) ii) introduce segregated waste collections throughout CCS (Phase1 - Oct 2010 / Phase2 – 2011)	CCS(wm) CCS(wm)	
c) Reduce fly tipping and illegal waste disposal			

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- INDICATORS:**
- Percentage trade waste recycled
 - Average household waste arising / municipal waste arisings
 - Percentage of municipal waste recycled or composted
 - Percentage of waste at civic amenity sites that is recycled
 - Amount of material reused
 - Number of fly tipping incidents

<i>WM6: Provide and develop suitable sites and sustainable technologies for dealing with waste</i>			
a) Develop local / regional disposal and recycling facilities to minimise transport of waste	i) facilitate regional procurement of an anaerobic digestion facility to treat kitchen waste	CCS(wm)	other local authorities
b) Promote provision of appropriate recycling facilities in new developments			
c) Minimise the impact of existing and new waste management facilities			

INDICATORS: none

SUSTAINABLE TRANSPORT AND AIR QUALITY			
GENERAL ACTIONS	SPECIFIC/ADDITIONAL ACTIONS	LEAD BODY	PARTNERS
<i>ST1: Promote more sustainable forms of travel and transport</i>			
a) Support increased use of public transport	i) promote the use of public transport, walking and cycling within the South-west Wales region through regular newsletters, events, training, website, etc. ii) oversee the implementation and programme management of the Regional Transport Plan and monitor progress iii) complete rebuild of Swansea bus station (by Autumn 2010) iv) undertake comprehensive refurbishment of Swansea train station (complete first phase by Summer 2011)	SWWITCH SWWITCH CCS(tr) WAG	 CCS(reg) CCS(reg)

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<p>b) Support increased walking and cycling</p>	<p>i) provide cycling classes for adult beginners (four classes between April and October each year) ii) increase the number of children walking or cycling to schools in the Safe Routes in Communities project to approx. 3,750 by end of 2010/11 iii) undertake an annual travel audit in all schools participating in the Safe Routes in Communities project iv) provide opportunities for people of all abilities to participate in cycling through the provision of a variety of cycles and cycling opportunities v) provide National Standards Cycle training (Levels 1,2 and 3 by Autumn 2010) vi) complete Connect 2 cycle path project in Clydach (by 2013) vii) finalise land access agreements and secure funding to complete the remaining sections of the North Gower Trail viii) finalise land transfers and seek funding to complete the cycle track 'missing' link in Loughor ix) install cycle parking stands in quadrant and St.David's car parks (by end of 2010) x) create interactive cycle parking map on council website (by end of 2010) xi) incorporate cycle parking provision as part of Swansea train station refurbishments xii) explore the provision of cycle parking at park and ride sites and extension of the service to include cyclists xiii) develop the council's pool bike scheme xiv) produce cycling and walking leaflet for Gower and Mawr (June 2010) xv) make substantial provision for cycle parking and storage in new developments</p>	<p>Wheelrights CCS(rst) CCS(rst) BikeAbility Wales BikeAbility Wales Sustrans Sustrans CCS(tr) CCS(tr) CCS(tr) WAG CCS(tr) CCS(tr) CCS(ct) Coastal Housing Group</p>	<p>CCS(tr) CCS(tr), schools CCS(ed) CCS(tr) CCS(tr) CCS(tr) CCS(tr) CCS(tr) CCS(tr) SRDP</p>
<p>c) Support an increase in park and ride use</p>	<p>i) extend the Landore park and ride facility ii) acquire land and develop park and ride facility in west of Swansea iii) explore the provision of cycle parking at park and ride sites and extension of the service to include cyclists</p>	<p>CCS(tr) CCS(tr) CCS(tr)</p>	

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d) Support an increase in car sharing	i) promote the use of the regional car sharing system swwitch2share ii) provide access to 'car club' for occasional use by tenants in existing housing and new developments	SWWITCH Coastal Housing Group	
e) Explore ways to encourage more sustainable distribution and promote local procurement	i) organise 'meet the producer' event to bring together local food producers and hospitality industry (Spring 2010) ii) investigate the capacity and needs of local agriculture and food sectors to supply local markets - RDP project SWA04 - (by February 2011)	Rural Swansea Action Rural Swansea Action	
f) Promote use of public transport, walking and cycling to visitors	i) introduce Swansea Bay Public Transport Tourist Ticket for local bus and train travel (by the end of 2011) ii) promote greater use of buses to access walks in rural areas of Swansea through publications and walks programmes	BayTrans BayTrans	CCS(tr), bus and train companies

INDICATORS: Modal split on key routes into Swansea
 Number of cyclists using Celtic Trail
 Number using park and ride facilities

<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	i) secure resources for the extension and enhancement of Morfa Road	CCS(tr)	CCS(reg)
b) Promote the production and use of effective travel plans	i) organise travel plan champion training and extend the network of travel planning champions in the region ii) organise annual travel planning conference in Swansea in October 2010 incorporating annual travel planning awards iii) increase the number of schools with travel plans to at least 33 by November 2010 and at least 43 by November 2011 iv) develop a fully integrated travel plan for Swansea University that incorporates the proposed new campus developments	SWWITCH SWWITCH CCS(rst) Swansea University	Communities First

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c) Make greener road fuels more accessible and available			
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INDICATORS: Number of travel plans produced by local organisations and schools
 Number of organisations and schools with local travel plan awards
 Accessibility index for Swansea

<i>ST3: Improve air quality and reduce air pollution</i>			
a) Work towards exceeding National Standards for air quality	i) establish a broad partnership to address air quality issues and produce air quality improvement action plan	SEF	CCS(pc)
	ii) extend the <i>air quality management area</i> to include newly identified failing areas	CCS(pc)	
	iii) investigate the potential for a Low Emissions Zone in Swansea	SEF	CCS(pc)
b) Develop a software-driven traffic management system	i) secure funding for roadside signs	CCS(pc)	CCS(tr)

INDICATORS: Number of days when air pollution is moderate or higher
 Number of roadside NO₂ monitoring sites exceeding annual mean limit
 Number of days when PM2.5s exceed daily limits
 Number of PM10 monitoring sites exceeding annual mean limit

<i>ST4: Improve air quality monitoring and reporting mechanisms</i>			
a) Increase monitoring for small particles and other pollutants	i) re-establish regular monitoring of background radiation	CCS(pc)	ABM University NHS Trust
b) Build and maintain a detailed emissions database and modelling system	i) complete validation of the Nowcaster system (end of March 2011)	CCS(pc)	

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c) Develop pollution alerting systems	i) establish mechanism for alerting media of poor air quality (end of March 2011)	CCS(pc)	
	ii) promote the use of an alert system by local GP's to warn patients of poor air quality	CCS(pc)	

INDICATORS: None

ENVIRONMENTAL AWARENESS AND ACTION

GENERAL ACTIONS	SPECIFIC/ADDITIONAL ACTIONS	LEAD BODY	PARTNERS
<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 and local SD schemes	i) encourage use of <i>Swansea Sustainable Schools Scheme</i> by local schools and colleges, assess progress and award attainment of standards	SEEF	Sustainable Swansea (SEF)
b) Develop a coordinated approach to supporting and promoting field studies and school/college grounds development, and increase use of local wildlife sites/projects	ii) prepare best practice guidance for school grounds development and use	SEEF	CCS(nc)
	iii) organise teachers' conference on school grounds development and use	SEEF	CCS(nc)
	iiii) seek funding for an outdoor learning development officer	SEEF	CCS(nc)
	v) update and republish outdoor learning directory	SEEF	CCS(nc)
	vi) implement recommendations of out-of-classroom learning in Swansea research report	SEEF	CCS(nc), CCW
	vii) provide opportunities for young people to learn about estate management and biodiversity at the Llys Nini site (at least 1,500 pupils/students per year)	RSPCA Llys Nini	
	viii) expand the 'Wild for Woods' schools programme at Penllergare Valley Woods and promote the site for use as and outdoor classroom and venue for environmental workshops	Penllergare Trust	
	ix) provide training for pupils from 5 secondary schools through the Tidy Towns Training Scheme	CCS(wm)	CCS(nc), CCW, D2E
	x) work with 2 schools per year on Gower developing sustainable school grounds and outdoor learning spaces/classrooms	D2E	

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	<p>x) provide grants fund for environmental and heritage projects in schools within Lordship of Gower area</p> <p>xi) Establish a Swansea Forest Education Initiative Cluster Group</p>	<p>Gower Society</p> <p>Forestry Commission</p>	
<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</p>	<p>i) maintain the secondary schools teachers network</p> <p>ii) establish a primary schools teachers network</p> <p>iii) maintain SEEF website and encourage use of forum facility</p> <p>iv) compile a data bank of transferable resources and materials for ESDGC</p> <p>v) provide and promote opportunities for ESDGC training and development, and enhance inter-sectorial communication</p> <p>vi) provide 2 day training in ESDGC through the use of the outdoors with teachers/youth workers/informal educators (60 beneficiaries per year)</p> <p>vii) develop a programme of environmentally themed INSET for teachers in South West Wales</p> <p>ix) Establish a Swansea Forest Education Initiative Cluster Group</p>	<p>SEEF</p> <p>SEEF</p> <p>SEEF</p> <p>RCE Wales</p> <p>RCE Wales</p> <p>D2E</p> <p>EC</p> <p>Forestry Commission</p>	<p>EC</p> <p>SEEF</p>
<p>d) Improve the range of opportunities for adult education, training and research linked to sustainable development</p>	<p>i) encourage research and development of innovative ESDGC</p> <p>ii) provide ESDGC training to FE/HE institutions</p> <p>iii) install 12 PV panels (3kW) at Tycoch campus to support training courses in renewable energy</p>	<p>RCE Wales</p> <p>D2E</p> <p>Swansea College</p>	
<p>e) Support schools, colleges and universities to develop and implement policies for sustainable development</p>	<p>i) promote the embedding of good quality ESDGC into all sectors of education; formal, informal and non-formal</p> <p>ii) harmonise environmental managements systems following the merger of Swansea College and Gorseinon College</p>	<p>RCE Wales</p> <p>Gower College Swansea</p>	

- INDICATORS:**
- Percentage of schools with Eco-School Green Flag
 - Percentage of schools at other Eco-School levels
 - Percentage of schools in local award schemes
 - Number of supported school visits to key sites and facilities
 - Number of ESDGC training sessions for school staff
 - Number of school staff attending ESDGC training sessions

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EA2: Actively promote sustainable living			
<p>a) Improve and promote access to good quality information, guidance and support on environmental events, issues and good practice</p>	<p>i) publish annual environmental events leaflet ii) promote Wales Biodiversity Week with a programme of events and on the BBC big screen in Castle Square (June 2010) iii) coordinate Wise up to Waste week of events to promote (June 2010 / 2011) iv) maintain and promote the Transition Swansea ning website to share information on environmental activities, events and good practice v) maintain and develop the Environment Centre's environmental information services including website and provision of regular ECNews updates and monthly e- newsletter</p>	<p>CCS(nc) CCS(nc) CCS(wm) Transition Swansea EC</p>	<p>SEEF SBP SWF</p>
<p>b) Provide a programme of environmental events and activities for people of all ages and increase the number of, and attendance at, these events</p>	<p>i) organise a major public event or exhibition to promote environmental sustainability in Summer 2011 ii) establish Gower Cycling Festival with a programme of cycle rides with range of difficulty levels (September 2010) iii)organise a two-day Bea Fest / Ecozone event aimed at raising the awareness of environmental issues iv) organise environmental film showings, discussion groups and skill sharing workshops to promote good environmental practice and sustainability v) provide long term educational programmes for 'hard to reach' groups in ESDGC (100 beneficiaries per year) vi) develop a programme of environmentally themed activities, including the Swansea Green Fayre, quiz nights and workshops</p>	<p>Sustainable Swansea (SEF) Wheelrights Bae Fest Transition Swansea D2E EC</p>	<p>Environment Centre, SEEF Sustrans, CTC, CCS(tr) CCS(wm), KWT, CCS(nc), MCS SEEF</p>
<p>c) Improve the range of opportunities for informal education and training linked to sustainable development</p>	<p>i) seek funding for an officer to provide land management training and promote enterprise opportunities ii) provide training in conservation and conservation skill (60 trainees by March 2012) iii) promote the embedding of good quality ESDGC into all sectors of education; formal, informal and non-formal iv) facilitate and promote skill sharing (re-skilling) on issues such as organic/permaculture gardening and jam/chutney making; and link organic growers to act as mentors for those learners</p>	<p>RSPCA Llys Nini BTCV RCE Wales Transition Swansea</p>	

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	v) provide 2 day training in ESDGC through the use of the outdoors with teachers/youth workers/informal educators (60 beneficiaries per year)	D2E	
	vi) provide residential experiences for 'disadvantaged' client groups in ESDGC (40 beneficiaries per year)	D2E	
	vii) develop a programme of training opportunities for various aspects of Sustainable Development	EC	SEEF

INDICATORS: Number of hits on Sustainable Swansea and EC websites

<i>EA3: Promote active citizenship and increased participation in decision-making processes</i>			
a) Develop training opportunities related to community engagement, active citizenship and governance	i) deliver digital media training courses and produce new community green map by end of March 2011	Sustainable Swansea (SEF)	
b) Encourage and support active participation and volunteering in environmental and SD projects	i) secure funding to continue and develop Trailblazers II Project (by March 2011)	Sustainable Swansea (SEF)	Shaw Trust Gorseinon Trust, RSPCA Llys Nini
	ii) secure funding to build a visitors' centre to act as a focus for volunteers and groups working for biodiversity on site (by 2012)	RSPCA Llys Nini	
	iii) expand paws volunteering scheme	RSPCA Llys Nini	
	iv) establish volunteering opportunities through Communities and Nature projects	CCS(nc), BTCV, Groundwork	
	v) Enhance volunteering opportunities for the upkeep of Penllergare Valley Woods	Penllergare Trust	
vi) facilitate 3,000 volunteer hours through environmental work	BTCV	KWT, CCS(nc)	
vii) support volunteering opportunities through Tidy Towns scheme including major clean ups, community initiatives, school projects and nature conservation projects	CCS(wm)		
viii) provide regular volunteer opportunities in practical conservation, traditional/sustainable farming and building (100 beneficiaries per year)	D2E		
ix) provide opportunities for volunteering in local community on sustainable school grounds development	D2E		
x) establish shared volunteer scheme for conservation work on Gower (from April 2010)	CCS(aonb)	CCW, NT, WTSWW	

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	xi) support the Mumbles Green Action Team volunteers and organise volunteer activities such as woodland management, litter picks, beach cleans and guided walks	MDT	EC, MIDT
c) Support and strengthen partnership initiatives and voluntary environmental organisations	i) facilitate task groups and support development of action plans for the 5 'big issues' / 'shared priorities' (biodiversity, climate change adaptation, carbon management, air quality, Swansea Bay)	SEF	CCS(wm), EC
	ii) ensure continuation of Swansea Waste Forum and organise at least two thematic/strategic SWF meetings each year	SWF	
	iii) provide services to other locally based environmental organisations and partnerships, including office space, meeting rooms, administrative facilities and project management and support	EC	

INDICATORS: Number of volunteers / volunteer hours in environmental projects

<i>EA4: Encourage good environmental practice amongst organisations and businesses</i>			
a) Encourage organisations to implement environment and/or SD policies	i) complete Sustainable Risk Assessment (SRA) pilot with City Centre redevelopment project, Corporate Building Services and Corporate Contracts with a view to embedding use of SRA across the Council (by March 2011) ii) include completion of SRA in Council's Project Initiation Document (PID) by September 2010	CCS (pt) CCS(pt), CCS(cpt)	
b) Encourage participation in Green Dragon Awards and other environmental management schemes	i) achieve ISO14001 accreditation for Swansea University (by October 2010) ii) harmonise environmental managements systems following the merger of Swansea College and Gorseinon College iii) achieve Ecocentre status for Environment Centre	Swansea University Gower College Swansea EC	
c) Encourage organisations to provide SD training for staff as part of induction or CPD programmes and promote SD champion schemes in organisations and communities	i) include energy efficiency as part of Council induction programme (by December 2010)	CCS (sdu)	

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<p>d) Promote good practice through the Swansea Sustainability Trail, the <i>Swansea Green Map</i>, Sustainable Swansea Awards and other projects</p>	<p>i) review, update, relaunch and promote the Swansea Sustainability Trail (by end of March 2011) ii) coordinate biennial Sustainable Swansea Awards in 2010 and 2012 iii) showcase and share existing good practice in ESDGC and sustainability through a dedicated RCE website v) deliver digital media training courses and produce new community green map (by end of March 2011) v) publish Green Map of green spaces in Swansea vi) deliver a pilot community carbon footprinting project</p>	<p>Sustainable Swansea (SEF) Sustainable Swansea (SEF) RCE Wales Sustainable Swansea (SEF) CCS(nc) Sustainable Swansea (SEF)</p>	<p>Sustainable Swansea (SEF)</p>
<p>e) Promote social enterprise, entrepreneurship and employment opportunities linked to environment and SD</p>	<p>i) develop proposals and explore funding opportunities for a Green Jobs Initiative in Swansea ii) seek funding for an officer to provide land management training and promote enterprise opportunities iii) implement Rural Business Plan 2 (from March 2011) iv) promote and administer the Gower AONB Sustainable Development Fund</p>	<p>SEF RSPCA Llys Nini CCS(aonb) CCS(aonb)</p>	<p>SRDP CCW</p>

INDICATORS: Number of Green Dragon Awards (level 2+)

FULL LIST OF INDICATORS

PRIORITY	INDICATOR	SOURCE BODY
NE1	Trends in a selection of key indicator species	SBP
NE2	Total area of LNRs, AONB and SINCs Percentage of SSSI features in or recovering towards favourable condition Percentage loss of important habitats	CCS(nc) CCW CCS(nc)
NE3	Percentage area of SINCs under favourable management Number of Green Flags and Green Pennants Percentage of land managed under agri-environment agreement (by scheme)	CCS(nc) / SBP Civic Trust / KWT WAG (Tir Gofal)
NE4	Number of wildlife sites with interpretative information Length of easy-to-use footpaths and other rights of way Number of people accessing a selection of key sites	SBP CCS(ca) CCS(nc) / NT / CCW
BE1	Percentage of public satisfaction with their local area Percentage cleanliness at high standard	CCS(Swansea Voices) KWT / CCS(wm)
BE2	SAP rating for housing in Swansea Number of developments meeting Ecohomes or BREEAM standards CO2 emissions in CCS corporate buildings	CCS(ho) BRE CCS(cbp)
BE3	Proportion of social housing meeting WHQS Proportion of private housing left vacant Number of homes brought back into use and problem buildings demolished or renovated (total since 2004)	CCS(ho) / RSLs CCS(ep) CCS(ep)
BE4	Percentage of buildings at each level on the 'Buildings at Risk' register Number of venues and visitors in 'Open House' events Number of historic buildings, heritage sites and character areas interpreted	CCS(en) Sylfaen Cynefin CCS(en/reg) / GGAT
WM1	Percentage of watercourses achieving good status	EAW
WM2	Percentage of coastal waters at guideline standard for bathing water Number of Blue Flags / Green Coast Awards	EAW KWT

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WM3	Number of properties at high risk of flooding	EAW
WM4	Area of contaminated land remaining in Swansea	CCS(pc)
WM5	Percentage commercial waste recycled or composted Average household waste arising / municipal waste arising Percentage of municipal waste recycled or composted Percentage of waste at civic amenity sites that is recycled or composted Amount of material reused Number of fly tipping incidents	CCS(wm) CCS(wm) CCS(wm) CCS(wm) SCRAP / SCWDC EAW
ST1	Modal split on key routes into Swansea Number of cyclists using Celtic Trail Number using park and ride facilities	CCS(tr) Sustrans CCS(tr)
ST2	Number of travel plans produced by local organisations and schools Number of organisations and schools with local travel plan awards Accessibility index for Swansea	CCS(tr) / SWWITCH SWWITCH CCS(tr)
ST3	Number of days when air pollution is moderate or higher Number of roadside NO2 monitoring sites exceeding annual mean limit Number of PM2.5 monitoring sites exceeding annual mean limit Number of PM10 monitoring sites exceeding annual mean limit	CCS(pc) CCS(pc) CCS(pc) CCS(pc)
EA1	Percentage of schools with Eco-School Green Flag Percentage of schools at other Eco-School levels Percentage of schools in local award schemes Number of supported schools visits to key sites and facilities Number of ESDGC training sessions for school staff Number of school staff attending ESDGC training sessions	KWT KWT SEEF SEEF SEEF SEEF
EA2	Number of hits on Sustainable Swansea and EC websites	Sustainable Swansea / Environment Centre
EA3	Number of volunteers / volunteer hours in environmental projects	NT / BTCV / SCF
EA4	Number of Green Dragon Awards (level 2+)	Groundwork Trust

SWANSEA ENVIRONMENT STRATEGY ACTION PLAN PROFORMA

If you would like actions undertaken by your organisation to be included in future drafts of this Action Plan, please use the table below to outline the actions, indicating which priorities and general actions they contribute to achieving. Use additional sheets or rows as necessary.

Contact Name: _____ Organisation: _____

Telephone: _____ Email: _____

<i>(please state relevant priority)</i>			
GENERAL ACTIONS	SPECIFIC/ADDITIONAL ACTIONS	LEAD BODY	PARTNERS
<i>(please state relevant priority)</i>			

Completed proforma(s) can be emailed to info@swanseaenvironmentalforum.net or posted to Swansea Environmental Forum, The Environment Centre, Pier Street, Swansea SA1 1RY. For further information about Swansea Environmental Forum, visit the website www.swanseaenvironmentalforum.net or contact the Environment Centre on (01792) 480200.