
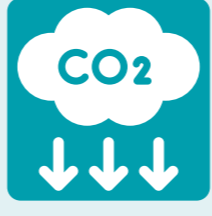








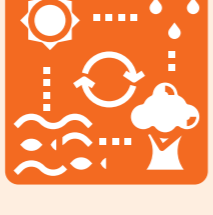
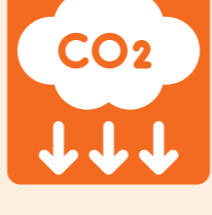


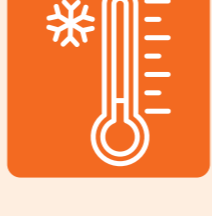






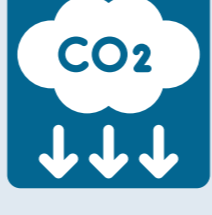

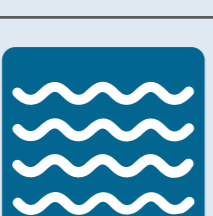

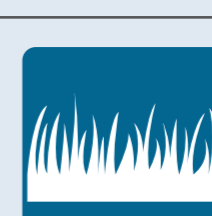

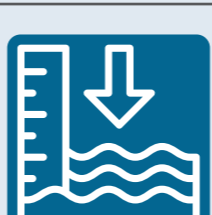





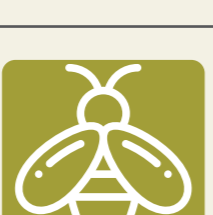



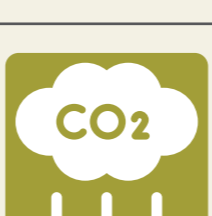

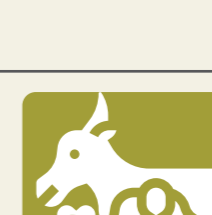
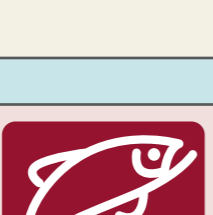




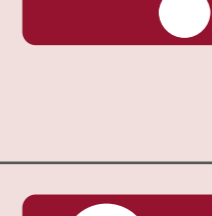










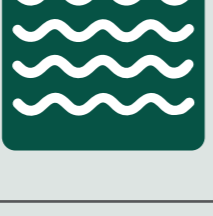

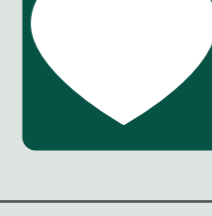



Nature based solutions

How nature-based solutions can bring wider benefits for nature, for climate and for people.


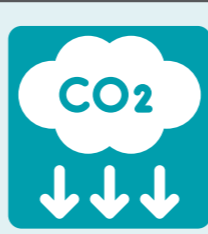












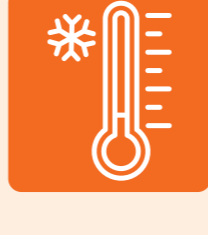






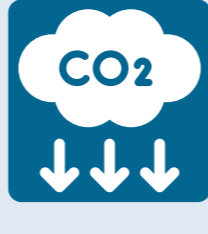

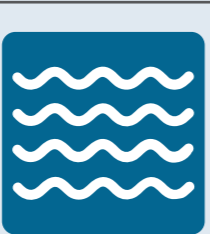

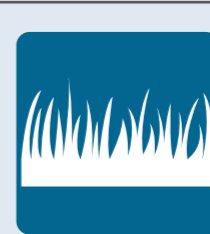


















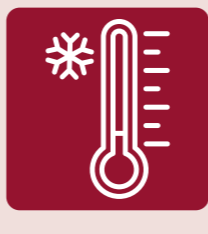








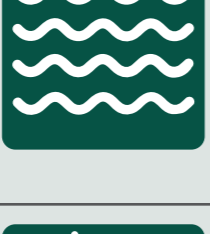






Ecosystem restoration	Benefits for nature	Benefits for climate action	Benefits for people
Peatland restoration	 Habitat improvement will help birds like golden plover, curlew, hen harriers and dunlin	 Healthy peatland keeps carbon locked up in soil	 Improved quality of water supply and less treatment needed to clean up discoloured water
	 Improved habitat will filter airborne pollution and improve river water quality	 Reduced risk of erosion and loss of soil	 Alleviation of flooding to properties downstream
	 More reliable water supply for freshwater habitats	 Rewetting of peatland and revegetation of bare moor reduces risk of wildfires	 Sustainable livestock production produces food and fibre (wool)
			 Hill walking and tourism in iconic upland landscapes like national parks
Woodland creation and restoration	 Woodland creation and restoration leads to better ecosystem connectivity	 Carbon storage in new woodland	 Slowing the flow - good for drought and flood alleviation
	 Increased biodiversity such as bats, dormice and birds like the pied flycatcher and redstart	 Cooling along river corridors - important for freshwater habitat	 Sense of place and recreational opportunities deliver physical and mental well-being benefits
	 Improved water availability and nutrient cycling adds to soil biodiversity to support ecosystem function	 Timber building materials substituting for high carbon ones	 Woods near urban areas reduce noise and air pollution
			 Sustainable economic activity using timber products
Coastal and marine habitat restoration	 Seagrass meadows and kelp forests will store more carbon and provide habitats for species like seahorses and otters	 Increased carbon storage in seagrass and kelp	 Reduced risk of flooding of coastal properties
	 Improved coastal water quality for wildlife	 Managed retreat helps adaptation to climate change	 Managed realignment and restoration of saltmarshes provides livestock grazing
	 Managed realignment benefits wading birds like ringed plover, redshanks, oyster catchers	 Increased flooding alleviated by saltmarshes, dunes and seagrass	 Coastal recreation and tourism
			 Improved fisheries deliver economic benefits
Semi-natural grassland restoration	 Reducing runoff of polluted water protects freshwater and marine habitats and species	 Habitat regeneration reduces risk of wildfires	 More reliable supply of drinking water
	 Benefits for soil biodiversity, bees, butterflies, small mammals and birds	 Greater plant species diversity helps greater carbon storage	 Reduced risk of flooding
	 Better management will help with control of invasive species like Himalayan balsam	 Increased carbon storage particularly in acid grasslands	 Improved soil quality benefits farming
			 Livestock production - food and fibre (wool)
Integrated catchment management	 River restoration to 'slow the flow' will benefit salmon, trout, water voles, frogs, toads, and newts	 Slowing the flow of water through the catchment reduces risk of erosion	 Improved quality of water supply
	 Wetlands, such as floodplain meadows support amphibians and reptiles and wading birds such as Curlew and Lapwing	 Cooling along river corridors benefits freshwater biodiversity	 Reduced risk of drought and loss of water supply for people
	 Habitat regeneration leads to improved air quality	 Increased ecosystem connectivity helps adaptation to climate change	 Reduced risk of river flooding to properties
			 Improved recreation such as angling
Urban Green Infrastructure	 Developments built with wildlife such as swifts and bats in mind	 Green infrastructure reduces stormwater runoff and urban flooding	 Sustainable urban drainage reduces risk of flooding to properties
	 Improved quality of freshwater habitat	 Sustainable urban drainage systems incorporated in new development	 Improved access to greenspace brings physical and mental well-being benefits
	 Altered management of gardens, parks and verges benefits birds, bees, insects and butterflies	 Urban cooling from trees, parks and green roofs	 Improved air and water quality brings human health benefits
			 Regeneration attracts inward investment

Nature and people thriving together

naturalresources.wales

Atebion sy'n seiliedig ar natur

Sut gall atebion sy'n seiliedig ar natur ddarparu buddion ehangach ar gyfer natur, yr hinsawdd, a phobl.

Adfer ecosystemau	Buddion i fyd natur	Buddion o ran gweithredu ar y newid yn yr hinsawdd	Buddion i bobl
Adfer mawndir	 Bydd gwella cynefinoedd yn helpu adar fel y cornicyll aur, y gylfinir, y boda tinwyn a phibydd y mawn	 Mae mawndir iach yn cadw carbon wedi'i gloi yn y pridd	 Cyflenwad dŵr o well ansawdd ac angen llai o driniaeth i lanhau dŵr aflwiwedig
	 Bydd cynefin gwell yn hidlo llygredd yn yr awyr ac yn gwella ansawdd dŵr afonydd	 Llai o risg o erydiad a cholli pridd	 Lliniaru llifogydd
	 Cyflenwad dŵr mwy dibynadwy ar gyfer cynefin dŵr croyw	 Mae aildyfu yn golygu llai o risg o danau yn yr awyr agored	 Cynhyrchu da byw - bwyd a ffibr (gwlan)
			 Cerdded mynyddau a thwristiaeth mewn tirweddau eiconig ar yr ucheldir fel parciau cenedlaethol
Creu ac adfer coetiroedd	 Mae creu ac adfer coetiroedd yn arwain at gysylltedd gwell rhwng ecosystemau	 Storio carbon mewn coetir newydd	 Arafu'r llif - yn dda i liniaru llifogydd a sychder
	 Mwy o fioamrywiaeth fel ystumod, pathewod ac adar fel y gwybedog brith a'r tingoch	 Oeri ar hyd coridorau afon - pwysig i gynefin dŵr croyw	 Ymdeimlad o le a chyfluoedd hamdden coetir
	 Mae gwell argaeledd dŵr a chylchynu maetholion yn ychwanegu at fioamrywiaeth y pridd gan gefnogi gweithrediad yr ecosystem	 Deunyddiau adeiladu pren yn lle rhai carbon uchel	 Lleihau sŵn trefol
			 Gweithgarwch economaidd cynaliadwy gan ddefnyddio cynhyrchion pren
Adfer cynefinoedd morol ac arfordirol	 Bydd dolydd morwellt a choedwigoedd gwymon yn storio mwy o garbon ac yn darparu cynefinoedd i rywogaethau fel morfeirch a dyfrgwn	 Mwy o storio carbon mewn morwellt a gwymon	 Llai o risg o lifogydd mewn eiddo arfordirol
	 Gwell ansawdd dŵr arfordirol i fywyd gwyllt	 Encilio wedi'i reoli yn helpu addasu i newid hinsawdd	 Mae adlinio ac adfer rheoledig morfeydd heli yn darparu porfa i dda byw
	 Adlinio rheoledig o fudd i adar hirgoes fel y cwtiad torchog, y pibydd coesgoch, pioden y môr	 Llifogydd cynyddol yn cael eu lliniaru gan forfeydd heli, twyni a morwellt	 Hamdden a thwristiaeth arfordirol
			 Pysgodfeydd gwell yn sicrhau manteision economaidd
Adfer glaswelltiroedd lled-naturiol	 Lleihau dŵr ffo llygredig yn gwarchod cynefinoedd a rhywogaethau dŵr croyw a morol	 Adfywio cynefinoedd yn lleihau risg tanau yn yr awyr agored	 Cyflenwad mwy dibynadwy o ddŵr yfed
	 Buddion o ran bioamrywiaeth y pridd, gwenyn, gloynnod byw, mamaliaid bychan ac adar	 Mwy o amrywiaeth o rywogaethau planhigion yn helpu mwy o storio carbon	 Llai o risg lifogydd
	 Bydd rheoli gwell yn helpu gyda rheoli rhywogaethau ymledol fel Jac y Neidiwr	 Mwy o storio carbon yn enwedig mewn glaswelltiroedd asid	 Gwell ansawdd pridd o fudd i ffermio
			 Cynhyrchu da byw - bwyd a ffibr (gwlan)
Rheoli dalgylchoedd integredig	 Bydd adfer afonydd i 'arafu'r llif' o fudd i eogiaid, brithyllod, llygod dŵr, brogaod, llyffantod, a madfallod dŵrs	 Mae arafu llif y dŵr drwy'r dalgylch yn lleihau'r risg o erydiad	 Cyflenwad dŵr o well ansawdd
	 Mae gwlyptiroedd, megis dolydd gorlifdir yn cefnogi amffibiaid ac ymlusgiaid ac adar hirgoes fel y Gylfinir a'r Gornchwigen	 Mae oeri ar hyd coridorau afon o fudd i fioamrywiaeth dŵr croyw	 Llai o risg o sychder a cholli cyflenwad dŵr i bobl
	 Adfywio cynefinoedd yn arwain at wella ansawdd aer	 Mae mwy o gysylltedd rhwng ecosystemau yn helpu i addasu i newid yn yr hinsawdd	 Llai o risg i eiddo o lifogydd o afonydd
			 Gwell Hamdden e.e. Pysgota
Seilwaith gwyrdd trefol	 Datblygiad gyda bywyd gwyllt fel gwenoliaid duon ac ystumod mewn cof	 Seilwaith gwyrdd yn lleihau dŵr ffo stormydd a llifogydd trefol	 Draeniad trefol cynaliadwy yn lleihau risg llifogydd i eiddo
	 Cynefin dŵr croyw gwell	 Systemau draenio trefol cynaliadwy wedi'u hymgorffori mewn datblygiadau newydd	 Gwell mynediad at fannau gwyrdd yn dwyn buddion lles corfforol a meddyliol
	 Cynefin ychwanegol i adar, gwenyn, pryfed a gloynnod byw	 Oeri trefol o goed, parciau, toeau gwyrdd a SDCau	 Gwell ansawdd aer a dŵr yn dod â buddion i iechyd pobl
			 Adfywio yn denu mewnfuddsoddiad

Byd natur a phobl yn ffynnu gyda'n gilydd
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