

Biodiversity Indicators in Your Pocket

**Correspondance between Global, European, UK and
Country Biodiversity Indicators**

2009



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European Focal Areas	European Headline Indicators (EU and PEBLDS)	European Biodiversity Indicators (SEBI 2010)	Global	Wales (Environment Strategy)	Scotland	England	UK Biodiversity Indicators	
Status and trends of the components of biological diversity	Trends in abundance and distribution of selected species	1. Abundance and distribution of selected species (a) common birds; (b) butterflies	Trends in abundance and distribution of selected species	Short-term changes in abundance of widespread breeding birds (all species, farmland spp, woodland spp, urban spp) (Long-term changes in the ranges of widespread breeding birds are a Sustainable Development indicator)	S3 Abundance of Terrestrial Breeding Birds	H1a Populations of wild birds; A1 Populations of farmland birds; W1 Populations of water and wetland birds; F1 Populations of woodland birds; T1 Populations of birds in towns and gardens; M1 Populations of coastal and sea birds	1. Trends in populations of wild birds (a) farmland birds; (b) woodland birds; (c) waterbirds; (d) seabirds; (e) wintering waterbirds	
					S4 Abundance of Wintering Waterbirds			
					S5 Abundance of Breeding Seabirds			
					S8 Terrestrial Insect Abundance – Butterflies	H1b Populations of butterflies; A1b Populations of butterflies on farmland; F1b Populations of butterflies in woodland		1b. Trends in populations of butterflies (a) habitat specialists; (b) wider countryside species
					S9 Terrestrial Insect Abundance – Moths			

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					S12 Status of Otters in Freshwater Habitats		1c. Trends in populations of terrestrial mammals (a) bats (proposed)
					S13 Marine Plankton		
					S15 Estuarine Fish		
					S6 Vascular plant diversity	A4 Trends in plant diversity in fields and field margins; W4 Trends in plant diversity on riverbanks and stream sides; F4 Trends in woodland plant diversity	2. Plant diversity in the wider countryside (a) open habitats; (b) woodlands; (c) boundary habitats
					S7 Woodland Diversity Indicator	A5 Extent and condition of farmland habitat features	
	Change in status of threatened or protected	2. Red list index for European Species	Change in status of threatened species	Priority species status	S1 Status of UK BAP Priority Species	H3 Status of BAP Priority Species and Habitats; A3	3. Status of BAP Priority Species

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	species	3. Species of European Interest				Status of farmland BAP priority species and habitats;	
	Trends in the extent of selected biomes, ecosystems and habitats	4. Ecosystem coverage	Trends in extent of selected biomes, ecosystems, and habitats	Priority habitat status	S2 Status of BAP Priority Habitats	Status of water and wetland BAP priority species and habitats; F3 Status of woodland BAP priority species and habitats; M3 Status of coastal and marine BAP priority species and habitats	4. Status of BAP Priority Habitats
		5. Habitats of European Interest					

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	Trends in genetic diversity of domesticated animals, cultivated plants, fish species and trees of major socio-economic importance.	6. Livestock genetic diversity	Trends in genetic diversity of domesticated animals, cultivated plants, and fish species of major socio-economic importance				5. Trends in genetic diversity of farm animals (a) number of breeding females (b) number of rare breeds
	Coverage of protected areas	7. Nationally designated protected areas	Coverage of protected areas	Environmentally protected areas by type of area	S10 Notified Species in Favourable Condition	H2 Condition of SSSIs; A2 Condition of farmland SSSIs; W2	6 . Extent and condition of protected areas (a) Extent of

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		8. Sites designated under EU Habitats and Birds Directive			S11 Notified Habitats in Favourable Condition	Condition of water and wetland SSSIs; F2 Condition of SSSIs in urban areas; F5 Area of ancient woodland; T2 Condition of SSSIs in urban areas; M2 Condition of coastal SSSIs; B1 Condition of SSSIs owned or managed by companies in England; L1 Condition of SSSIs in local authority ownership	SACs, SPAs and SSSI/ASSIs; (b) Proportion of features of SACs and SPAs in favourable condition.

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Sustainable use	Area of forest, agriculture, fishery and aquaculture ecosystem under sustainable management.	17. Forest: growing stock, increment and fellings	Area of forest, agricultural and aquaculture ecosystems under sustainable management	Proportion of woodland that is certified			7. Proportion of woodland area under certified management
		18. Forest: deadwood					
		19. Agriculture : nitrogen balance		The number of agri-environment agreements and the area covered		H4 Area under agri-environment scheme agreement	8. Area of land under agri-environment scheme agreement
		20. Agriculture : area under management practices potentially supporting biodiversity					

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		21. Fisheries: European commercial fish stocks				H6 UK fish stocks fished within safe limits.	9. Proportion of commercially exploited fish stocks around the UK harvested sustainably.
		22. Aquaculture: effluent water quality from fin-fish farms					
	Ecological footprint and biocapacity of European Countries	23. Ecological footprint of European Countries	Ecological footprint and related concepts	Ecological footprint			
			Proportion of products derived from sustainable sources				
Threats to biodiversity	Nitrogen deposition	9. Critical load exceedance for nitrogen	Nitrogen deposition	Area of sensitive habitats exceeding critical loads for acidification and eutrophication			10. Ecological impacts of air pollution (a) area affected by acidity; (b) area affected by nitrogen

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	Trends in invasive alien species	10. Invasive alien species in Europe	Trends in invasive alien species		S17 Non-Native Species: Terrestrial, Freshwater and Marine Environments		11. <i>Impacts of invasive species (a) Number of invasive alien species; (b) Costs of invasive alien species (proposed)</i>
	Impacts of climate change on biodiversity	11. Occurrence of temperature sensitive species				C1 Changes in the abundance of climate-sensitive species at Environmental Change sites in England; C2 Index of the timing of four Spring events	12. Timing of biological events
						M5 Inputs of hazardous substances to the marine environment; M6 Levels of cetacean bycatch in UK waters	

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Ecosystem integrity and ecosystem goods and services	Marine Trophic Index	12. Marine Trophic Index of European Seas	Marine Trophic Index			M4 Status of marine biodiversity	<i>13. Marine trophic index (proposed)</i>
	Water quality in aquatic ecosystems	15. Nutrients in transitional, coastal and marine waters					
	Connectivity / fragmentation of ecosystems	13. Fragmentation of natural and semi-natural areas	Trophic integrity of other ecosystems				<i>14. Habitat networks (proposed)</i>
14. Fragmentation of river systems		Trophic integrity of other ecosystems					

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	Water quality in aquatic ecosystems	16. Freshwater quality	Water quality of freshwater ecosystems	River water quality - biological and chemical	S14 Freshwater Macroinvertebrate Diversity	H5 Biological quality of rivers; W5 Nutrient levels in rivers and lakes; W6 Number of rivers with sustainable salmon stocks	15. Rivers of good biological quality
			Incidence of human-induced ecosystem failure				
			Health and well-being of communities who depend directly on local ecosystem goods and services				
			Biodiversity for food and medicine				

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Status of access and benefit sharing	Percentage of European patent applications for inventions based on genetic resources	24. Patent applications based on genetic resources.	Indicator of access and benefit-sharing	Access to Green space			
					E2 – Extent and composition of greenspace	T4. Ease of access to local green space and countryside	

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Status of resource transfers and use	Funding to biodiversity	25. Financing biodiversity management	Official development assistance provided in support of the Convention			E1 Expenditure on biodiversity in England; H7 Delivery of local biodiversity targets in England; T5 Local plans and unitary development plans with biodiversity policies and targets; L2 Community strategies with biodiversity policies and plans; L3 Degree of integration of biodiversity objectives into regional programmes and strategies; company participation in Business and Environment Index; B3 Company contribution to local BAPs	16. Public sector environmental protection expenditure on biodiversity in the UK

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			Indicator of technology transfer				17. UK Government funding for conservation of global biodiversity
Public awareness and participation	Public awareness and participation	26. Public awareness		Percentage of people volunteering on a formal or informal basis.	E1 Attitudes to biodiversity	H8 Public attitudes to biodiversity	
					E3 Visits to the outdoors	T3 Proportion of households undertaking wildlife gardening; P1 Number of visits to nature reserves in England; P2 Volunteer time spent in conservation and citizen science activity; P3 Membership of biodiversity organisations	18. Volunteer time spent in conservation and number of people volunteering for conservation activity
					E4 Involvement in biodiversity conservation		
					E5 – Membership of biodiversity NGOs		