

OECD Core Set of Indicators for Environmental Performance Reviews

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See <http://www.oecd.org/env/docs/gd93179.pdf>

Availability: "S" for indicators measurable in the short-term; "M" for indicators which require additional empirical work and data collection efforts and which therefore only measurable in medium term; and "L" for indicators measurable only in the long term because they would need significant data development work.

Issue		Indicators	Availability
Climate change	Pressure	• Index of GHG emissions	S/M
		• Emissions of CO ₂	S
		• Emissions of CO ₂	S/M
	State	• Apparent consumption of CFC11 and 12; halons	S/M
		• Emissions of CO ₂	M
		• Atmospheric concentration of greenhouse gases	S
	Response	• Global mean temperature	S
		• Energy efficiency	M/L
		• Energy intensity	S
		• Implicit and explicit tax on energy/CO ₂	M/L
Stratospheric ozone depletion	Pressure	• Expenditure on energy efficiency, alternative energies, climate change research	M
		• Index of apparent consumption of ozone depleting substances	M
		• Apparent consumption of CFCs	S
	State	• Apparent consumption of halons	M
		• Atmospheric concentration of ozone-depleting substances	M
		• UV-B radiation at ground-level	M
		• Atmospheric concentration of CFCs	S
	Response	• Stratospheric ozone levels over selected areas	S/M
		• CFC recovery rates	M
		• Expenditure for CFC recovery and replacement technologies	L
Eutrophication	Pressure	• Countries contributing to the Interim Fund associated with the Montreal Protocol	M
		• Emissions of N and P into water and soil	L
		• Apparent consumption of fertilizers, measured in N,P	S
	State	• Waste water discharges	M
		• Livestock density	S/M
		• BOD/DO concentration	S/M
	Response	• N and P conc. in inland waters	M/L
		• Percentage of population connected to sewage treatment with biological and/or chemical treatment	M/L
		• Percentage of the population connected to waste water treatment	S
		• Users charges for waste water treatment	M
		• Market share of phosphate-free detergent	S/M

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Issue		Indicators	Availability
Acidification	Pressure	<ul style="list-style-type: none"> • Index of acidifying substances • Emissions of SO_x and NO_x • Emissions of ammonia 	M/L S M
	State	<ul style="list-style-type: none"> • Exceedance of the critical loads of potential acids in water and soil • Concentration in acid precipitation's (pH, SO₄, NO₃) 	S/M S M
	Response	<ul style="list-style-type: none"> • Total deposition of acidifying substances • Percentage of car fleet equipped with catalytic converters • Capacity of SO_x and NO_x abatement of stationary sources • Expenditure for air pollution abatement 	S/M M/L S
Toxic contamination	Pressure	<ul style="list-style-type: none"> • Emissions of heavy metals • Emissions of organic compounds • Consumption of Pb, Hg, Cd, Ni • Apparent consumption of pesticides • Generation of hazardous waste 	M/L L S/M S/M S/M
	State	<ul style="list-style-type: none"> • Concentration of heavy metals and organic compounds in environmental media and living species • Concentration of lead, cadmium, chromium, copper in rivers 	L S/M
	Response	<ul style="list-style-type: none"> • Changes of toxic content of products and production processes • Rehabilitated areas as percentage of total areas identified as contaminated • Market share of unleaded petrol 	L LM S
Urban environmental quality	Pressure	<ul style="list-style-type: none"> • Urban air emissions: SO_x, NO_x & VOC • Traffic density • Degree of urbanisation 	M S/M S/M
	State	<ul style="list-style-type: none"> • Exposure of population to air pollutants • Exposure of population to noise • Ambient water condition in urban areas • Concentration of air pollutants 	M S M S
	Response	<ul style="list-style-type: none"> • Changes in green space as percentage of total urban area/total urban population • Regulations on emissions and noise levels of new cars • Expenditure on water treatment and noise abatement 	M/L M S/M
Biological diversity and landscape	Pressure	<ul style="list-style-type: none"> • Habitat alteration and conservation of land from its natural state • Land use changes 	L S L
	State	<ul style="list-style-type: none"> • Introduction of new genetic material and species • Threatened or extinct species as a share of known species 	S S
	Response	<ul style="list-style-type: none"> • Protected areas as a percentage of total area by ecosystem type • Protected species as a percentage of threatened species 	L M/L

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Waste	Pressure	<ul style="list-style-type: none"> Waste generation <ul style="list-style-type: none"> ➤ municipal waste ➤ industrial waste ➤ nuclear waste ➤ hazardous waste 	S S S S/M
	State Response	<ul style="list-style-type: none"> not applicable Waste minimisation efforts Charges for waste disposal Expenditure on waste collection and treatment Waste recycling and recovery 	L M S S
Water resources	Pressure	<ul style="list-style-type: none"> Intensity of use of water resources Share of discharged waste water in rivers 	S M/L
	State Response	<ul style="list-style-type: none"> Frequency, duration and extent of water storage Water prices and user charges for waste water treatment as percentage of cost 	M M
Forest resources	Pressure State	<ul style="list-style-type: none"> Short-run sustained yield/actual harvest Area/volume and distribution of forest Share of disturbed/deteriorated forest in total forest area 	S/M S M/L
	Response	<ul style="list-style-type: none"> Percentage of harvest area successfully regenerated (incl. natural regeneration) or afforested Percentage of protected forest area in total forest area 	M/L M
Fish resources	Pressure State	<ul style="list-style-type: none"> Fish catches Size of spawning stocks Overfished area 	S M M/L
	Response	<ul style="list-style-type: none"> Number of stocks regulated by quotas Expenditure for fish stock monitoring 	M M/L
Soil degradation (Erosion and desertification)	Pressure	<ul style="list-style-type: none"> Erosion risk: potential and actual use of soil for agriculture Land use changes 	L S
	State Response	<ul style="list-style-type: none"> Degree of top soil losses Rehabilitated areas 	M M/L
General indicators	Pressures	<ul style="list-style-type: none"> Population growth and density GDP growth Industrial production Energy supply Structure of energy supply Road traffic volume Road vehicle stock Agricultural production 	S S S S S S S S
	Response	<ul style="list-style-type: none"> Environmental expenditure Public opinion Pollution abatement and control expenditure 	M S S

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