

CSD Working List of Indicators of Sustainable Development

(as of September 1996)

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- [Economic indicators](#)
 - [Environmental indicators](#)
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Social indicators

| Chapters of agenda 21: | DSR | Indicator |
|---|---|--|
| Chapter 3: Combating poverty | DRIVING FORCE STATE | -Unemployment rate -Head count index of poverty -Poverty gap index -Squared poverty gap index -Gini index of income inequality -Ratio of average female wage to male wage |
| Chapter 5: Demographic dynamics and sustainability | DRIVING FORCE STATE | -Population growth rate -Net migration rate -Total fertility rate -Population density |
| Chapter 36: Promoting education, public awareness and training | DRIVING FORCE STATE RESPONSE | -Rate of change of school-age population -Primary school enrolment ratio (gross and net) -Secondary school enrolment ratio (gross and net) -Adult literacy rate -Children reaching grade 5 of primary education -School life expectancy -Difference between male and female school enrolment ratios -Women per hundred men in the labour force -GDP spent on education |
| Chapter 6: Protecting and promoting human health | STATE RESPONSE | -Basic sanitation: Percent of population with adequate excreta disposal facilities -Access to safe drinking water -Life expectancy at birth -Adequate birth weight -Infant mortality rate -Maternal mortality rate -Nutritional status of children -Immunization against infectious childhood diseases -Contraceptive prevalence -Proportion of potentially hazardous chemicals monitored in food -National health expenditure devoted to local health care -Total national health expenditure related to GNP |
| Chapter 7: Promoting sustainable human settlement development | DRIVING FORCE STATE RESPONSE | -Rate of growth of urban population -Per capita consumption of fossil fuel by motor vehicle transport -Human and economic loss due to natural disasters -Percent of population in urban areas -Area and population of urban formal and informal settlements -Floor area per person -House price to income ratio -Infrastructure expenditure per capita |

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Economic indicators

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| Chapter 2: International cooperation to accelerate sustainable development in countries and related domestic policies | DRIVING FORCE STATE | -GDP per capita -Net investment share in GDP -Sum of exports and imports as a percent of GDP -Environmentally adjusted Net Domestic Product -Share of manufactured goods in total merchandise exports |
| Chapter 4: Changing consumption patterns | DRIVING FORCE STATE | -Annual energy consumption -Share of natural-resource intensive industries in manufacturing value-added -Proven mineral reserves -Proven fossil fuel energy reserves -Lifetime of proven energy reserves -Intensity of material use -Share of manufacturing value-added in GDP -Share of consumption of renewable energy resources |
| Chapter 33: Financial resources and mechanisms | DRIVING FORCE STATE RESPONSE | -Net resources transfer / GNP -Total ODA given or received as a percentage of GNP -Debt / GNP -Debt service / export -Environmental protection expenditures as a percent of GDP -Amount of new or additional funding for sustainable development |
| Chapter 34: Transfer of environmentally sound technology, cooperation and capacity-building | DRIVING FORCE STATE RESPONSE | -Capital goods imports -Foreign direct investments -Share of environmentally sound capital goods imports -Technical cooperation grants |

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| Chapter 18: Protection of the quality and supply of freshwater resources | DRIVING FORCE STATE RESPONSE | -Annual withdrawals of ground and surface water -Domestic consumption of water per capita -Groundwater reserves -Concentration of faecal coliform in freshwater -Biochemical oxygen demand in water bodies -Waste-water treatment coverage -Density of hydrological networks |
| Chapter 17: Protection of the oceans, all kinds of seas and coastal areas | DRIVING FORCE STATE | -Population growth in coastal areas -Discharges of oil into coastal waters -Releases of nitrogen and phosphorus to coastal waters -Maximum sustained yield for fisheries -Algae index |
| Chapter 10: Integrated approach to the planning and management of land resources | DRIVING FORCE STATE RESPONSE | -Land use change -Changes in land condition -Decentralized local-level natural resource management |
| Chapter 12: Managing fragile ecosystems: combating desertification and drought | DRIVING FORCE STATE | -Population living below poverty line in dryland areas -National monthly rainfall index -Satellite derived vegetation index -Land affected by desertification |
| Chapter 13: Managing fragile ecosystems: sustainable mountain development | DRIVING FORCE STATE | -Population change in mountain areas -Sustainable use of natural resources in mountain areas -Welfare of mountain populations |
| Chapter 14: Promoting sustainable agriculture and rural development | DRIVING FORCE STATE RESPONSE | -Use of agricultural pesticides -Use of fertilizers -Irrigation percent of arable land -Energy use in agriculture -Arable land per capita -Area affected by salinization and waterlogging -Agricultural education |
| Chapter 11: Combating deforestation | DRIVING FORCE STATE RESPONSE | -Wood harvesting intensity -Forest area change -Managed forest area ratio -Protected forest area as a percent of total forest area |
| Chapter 15: Conservation of biological diversity | STATE RESPONSE | -Threatened species as a percent of total native species -Protected area as a percent of total area |

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| Chapter 16: Environmentally sound management of biotechnology | RESPONSE | -R & D expenditure for biotechnology -Existence of national biosafety regulations or guidelines |
| Chapter 9: Protection of the atmosphere | DRIVING FORCE STATE RESPONSE | -Emissions of greenhouse gasses -Emissions of sulphur oxides -Emissions on nitrogen oxides -Consumption of ozone depleting substances -Ambient concentrations of pollutants in urban areas -Expenditure on air pollution abatement |
| Chapter 21: Environmentally sound management of solid wastes and sewage-related issues | DRIVING FORCE RESPONSE | -Generation of industrial and municipal solid waste -Household waste disposed per capita -Expenditure on waste management -Waste recycling and reuse -Municipal waste disposal |
| Chapter 19: Environmentally sound management of toxic chemicals | STATE RESPONSE | -Chemically induced acute poisonings -Number of chemicals banned or severely restricted |
| Chapter 20: Environmentally sound management of hazardous wastes | DRIVING FORCE STATE RESPONSE | -Generation of hazardous wastes -Imports and exports of hazardous wastes -Area of land contaminated by hazardous wastes -Expenditure on hazardous waste treatment |
| Chapter 22: Safe and environmentally sound management of radioactive wastes | DRIVING FORCE | -Generation of radioactive wastes |

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| Chapter 8: Integrating environment and development in decision-making | RESPONSE | -Sustainable development strategies -Programme of integrated environmental and economic accounting -Mandated Environmental Impact Assessment -National councils for sustainable development |
| Chapter 35: Science for sustainable development | STATE RESPONSE | -Potential scientists and engineers per million population -Scientists and engineers engaged in R & D per million population -Expenditure on R & D as a percent of GDP |
| Chapter 37: National mechanisms and international cooperation for capacity-building in developing countries | | |
| Chapter 38: International institutional arrangements | | |
| Chapter 39: International legal instruments and mechanisms | RESPONSE | -Ratification of global agreements -Implementation of ratified global agreements |
| Chapter 40: Information for decision-making | STATE RESPONSE | -Main telephone lines per 100 inhabitants -Access to information -Programmes for national environmental statistics |
| Chapter 23-32: Strengthening the role of major groups | RESPONSE | -Representation of major groups in national councils for sustainable development -Representatives of ethnic minorities and indigenous people in national councils for sustainable development -Contribution of NGOs to sustainable development |