

Indicators Related to Air and Climate in the MDG, CSD and NEPAD list

United Nations Statistics Division

Workshop on Environment Statistics
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MDG Indicators

- Goal 7 Target 9 Indicator 28:
 - Carbon dioxide emissions (per capita) and consumption of ozone depleting substances (Earlier: ozone depleting CFCs)

(Debate on moving from CO₂ to total GHG emissions per capita)

Sources of data:

- National:
 - emission inventories
 - reporting to UNFCCC
- International:
 - Carbon Dioxide Information Analysis Centre (CDIAC) based on UNSD energy statistics and the IPCC method (includes CO₂ from energy, gas flaring and cement production)
 - International Energy Agency (includes CO₂ from energy)

CSD Indicators of Sustainable Development

- Theme: Atmosphere

- Sub-theme: Climate change

- Indicator: CARBON DIOXIDE EMISSIONS

- Emission of greenhouse gases

- Sub-theme: Ozone layer depletion

- Indicator: CONSUMPTION OF OZONE LAYER DEPLETING SUBSTANCES

- Sub-theme: Air quality

- Indicator: Ambient concentration of air pollutants in urban areas

Data sources:

- National:
 - Emission inventories
 - Reporting to UNFCCC
 - Production and trade statistics (ODS)
 - Measurements from air quality monitoring stations
- International:
 - CDIAC and IEA (only CO₂)

NEPAD indicators

- Air (atmosphere)
 - Air quality
 - Annual mean concentration of SO₂ in ambient air
 - Annual mean concentration of NO₂ in ambient air
 - Annual mean concentration of SPM₁₀ in ambient air

Data sources:

- National air quality monitoring network

NEPAD list (cont)

- Air (atmosphere)
 - Climate variability
 - Annual variability in temperature (at least 30 years)
 - Annual variability in rainfall (at least 30 years)
 - Frequency of extreme events (No. of people affected by droughts, floods)

Sources of data:

- Meteorological Institute
- Statistics on extreme events

International:

WMO, IPCC

CRED

NEPAD list (cont)

- Air (atmosphere)
 - Climate change
 - Emissions of greenhouse gases (SO₂, NO₂, CH₄)
 - Emissions of greenhouse gases (CO₂)
 - Annual mean emission of lead (Pb)?????
 - Frequency of extreme events (No. of people affected by droughts, floods)

Sources of data

- Emission inventories
- Reporting to UNFCCC
- Statistics on extreme events

International:

CDIAC and IEA (only CO₂)

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