

Extended List of Evaluated Indicators

This list covers the deliverable "List of evaluated indicators" for Task 3.

SUSTAINABLE DEVELOPMENT INDICATORS (SDI)

The purpose of this listing is to develop an on-going process in regards to sustainable development indicators. This 445-indicator list combines information from the United Nations programme on sustainable development and US organisations that are currently developing sustainable development reporting strategies.

Each indicator set in this list may be considered as an input to the URBANGUARD project but cannot be considered as a direct tool. SDIs are deeply linked to the context where they are to be applied. This implies adapting indicators to geographic reality and strategic level. Nevertheless, it is also important to consider that data should be comparable. Therefore, it is a key issue to identify a global set of SDI that could be used in monitoring and reporting at a larger scope (regional, national and European scales) and specific indicators that could allow local stakeholders to measure their reality (local scale). In our context, it is likely that certain indicators will be directly disregarded due to their scope (e.g. *Fish diversity in forest lakes*) or the fact that they are not a priority at this stage of the sustainable development planning process.

Within the scope of this research, it was found that most SDIs are based on a macro point of view and applied top-down. It is hard to find good replicable indicators for localities, not so much in terms of values, but more in terms of prioritising. For example, considering "*quantity of public green spaces*," is a concern for all urban planners as it provides quality of life for citizens but it is also a non-productive asset corresponding to a permanent investment in resources. Such an indicator cannot be equally and directly cross-evaluated in terms of SDI in the same way in a Mediterranean city as in a Nordic one.

The common understanding of macro indicators facilitates dialogue and often refers to data that are already collected by different public services. This is why such lists have to be considered as a primary resource pool and used to be adapted for developing the first strategic level of a SDI system. It is also important to note that indicators can be measured in different ways, based on the traditional unit used at the level of the considered geographic scope. The US Dollar value used by the American system can be considered in the European framework by using euro values. Nevertheless, in case of multiple units systems, it is recommended using EU standard units: the euro and the metric system.

ECONOMY oriented data

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
1	Economic	Economic Satellite Accounts	9	Natural Resource Accounting	Modified Gross Domestic Product	TBD	PCSD	Expenditures (3.1.5)
2		Economic Satellite Accounts	283	Environmental Accounting	Programme of integrated environmental and economic accounting (yes/no)	TBD	UN CSD	Governments and Legal Institutions (1.3.4.7)
3		Economic Satellite Accounts	120	Forest Resource Accounting	Capacity to conduct and apply research and development aimed at improving forest management and delivery of forest goods and services, including development of methodologies to measure and integrate environmental and social costs and benefits into markets and public policies, and to reflect forest related resource depletion or replenishment in national accounting systems.	TBD	USDA FS	Expenditures (3.1.5)
4		Economic Productivity	5	Gross Domestic Product	Gross Domestic Product, GDP	Amount of Money Spent	PCSD	Expenditures (3.1.5)
5		Economic Productivity	125	Consumption Expenditures Per Capita	Total dollar value of goods and services purchased by consumers per year as fined in the National Income Accounts.	Value	SDI Group	Economic Output (2.1)
6		Economic Productivity	259	Gross Domestic Product Growth	Real Gross Domestic Product per capita growth rate (%)	Amount of Money Spent	UN CSD	Expenditures (3.1.5)
7		Economic Productivity	260	Gross Domestic Product per Capita	Gross Domestic Product per capita (US\$) (EURO)	Amount of Money Spent	UN CSD	Expenditures (3.1.5)
8		Economic Productivity	263	Gross Domestic Product Value Added	Share of manufacturing value added in Gross Domestic Product (%)	Amount of Money Spent	UN CSD	Expenditures (3.1.5)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
9		Economic Productivity	265	Per Capita EDP	EDP per capita/ environmentally adjusted value added (US\$) (EURO)	Amount of Money Spent	UN CSD	Expenditures (3.1.5)
10		Environment Quality / Environmental Technology	399	Environmental Technology Sales	Total amount of money spent of environmental technology	amount of Money Spent	SDI Group	Expenditures (3.1.5)
11		Environment Quality /Technology	324	Biotechnology Research Spending	R & D expenditures in the area of biotechnology (US\$) (EURO)	Amount of Money Spent	UN CSD	Expenditures (3.1.5)
12		Environment Quality / Natural Disasters	254	Natural Disaster Loss	Human and economic loss due to natural disasters. Floor area per person (m ²)	Amount of Money	UN CSD	Alteration by Natural Events
13		Environmentally Dependent Industry	400	Environmentally dependent Jobs	Total number of jobs involved in resource extraction, agriculture, recreation, and other industries that depend upon the environment	Number of Jobs	USDA FS	Forestry Industry (1.1.2.3.1.5)
14		Environmentally Dependent Industry	102	Forest Industry Growth	Growth in per capita income levels in forest dependent communities compared to national growth rate	Income	USDA FS	Forestry Industry (1.1.2.3.1.5)
15		Environmentally Dependent Industry	100	Forest Industry Jobs	Direct and indirect employment in the forest sector and the forest sector employment as a proportion of total employment	Number of Jobs	USDA FS	Forestry Industry (1.1.2.3.1.5)
16		Environmentally Dependent Industry	101	Forest Worker Wages	Average wage rates and injury rates in major employment categories within the forest sector.	Income	USDA FS	Income (3.1.4)
17		Income Equity	11	Income Trends	Wage level for different economic groups	Income	PCSD	Income (3.1.4)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
18		Income Equity	36	Urban Suburb Income	Disparity in per capita income between urban areas and their suburbs	Income	PCSD	Income (3.1.4)
19		Infrastructure / Capital Investment	8	Savings Per Capita	Savings rate per capita	Amount of Money Saved	PCSD	Wealth
20		Infrastructure / Capital Investment	425	Capital Assets	Total value, in dollars, of US (EU) tangible reproducible capital, excluding all public infrastructure, as defined in the National Asset Accounts	Amount of Money Spent	SDI Group	Tangible Reproducible Capital
21		Infrastructure / Capital Investment	126	Investment Per Capita	Investment per capita	Amount of Money Spent	SDI Group	Investment
22		Infrastructure / Capital Investment	264	Investment Percentage of GDP	Investment share of Gross Domestic Product (%), including research, technology development, invention, and innovation, as defined in the National Income Accounts. This includes both public and private investment.	Amount of Money Spent	UN CSD	Investment
23		Infrastructure / Capital Investment	94	Forest Investment	Total money invested in Forest maintenance per year	Amount of Money Spent	USDA FS	Investment
24		Infrastructure / Capital Investment	97	Forest Investment Return	Total money invested per dollar (EURO) extracted	Amount of Money Spent	USDA FS	Investment
25		Infrastructure / Capital Investment	95	Forest Research	Total research and development expenditures per year	Amount of Money Spent	USDA FS	Investment
26		Infrastructure / Capital Investment	96	New Technology Spending	Total dollars (EURO) spent on new technology per year	Amount of Money Spent	USDA FS	Expenditures (3.1.5)
27		Infrastructure / Public Infrastructure	405	Infrastructure Needing Repair	Dollar value of public infrastructure needing major repairs	Amount of Money	SDI Group	Public Administration

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
28		Infrastructure / Public Infrastructure	257	Infrastructure Spending Per Capita	Infrastructure expenditure per capita (US\$) (EURO)	Amount of Money Spent	UN CSD	Investment
29		Infrastructure / Public Infrastructure	112	Forest Product Infrastructure	Dollars of capital per dollar (EURO) extracted	Amount of Money	USDA FS	Crude Lumber and Wood Products (2.1.3.6)
30		International Cooperation	267	Regional Trade Agreements	Participation in regional trade agreements (yes/no)	Number of Ratified Treaties	UN CSD	National Security and International Affairs (1.1.2.3.7.6)
31		Labour Time Productivity	448	Work Force Skill Level	The average level of experience, capability, knowledge, and social skills of individuals in the workforce	Level of skill	SDI Group	Capacity for Work (1.1.1.1)
32		National Debt	278	National Debt	Debt/ GDP rate	Amount of Money	UN CSD	Wealth (1.1.2.1)
33		National Debt	284	National Debt Relief	Debt relief	Amount of Money	UN CSD	Wealth (1.1.2.1)
34		National Debt	279	National Debt Service	Debt service/export (%)	Amount of Money	UN CSD	Wealth (1.1.2.1)
35		Poverty	163	People in Poverty	Number of people living below the poverty level	Number of People	CEQ	Determining Access to Resources (1.3.2.3.2)
36		Poverty	29	Community Income Per Capita	Local per capita income and employment	Income	PCSD	Income (3.1.4)
37		Poverty	7	Decreased Poor People	Decreased number of people living below the poverty line	Number of People	PCSD	Determining Access to Resources (1.3.2.3.2)
38		Poverty	133	Income Distribution	Distribution of income per capita arranged to show the percentage of the population at various levels of income	Income	SDI Group	Economic Output (2.1)
39		Poverty	404	Poor Families	Number of families living below the poverty line	Number of Families	SDI Group	Families and Households (1.3.4.6)
40		Poverty	226	Really Poor People	Population living in absolute poverty and income Gini coefficient	Number of People	UN CSD	Determining Access to Resources (1.3.2.3.2)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
41		Production Efficiency	10	Productivity Per Capita	Per capita production per hour worked	Money per Hour	PCSD	Labour Time (1.1.1.3)
42		Public Policy	115	Forest Product Trade Policy	Number of trade policies supporting sustainable forest management	Number of Trade Policies	USDA FS	Governments and Legal Institutions (1.3.4.7)
43		Public Policy	114	Forest Valuation	Extent to which economic policies and measures support forest conservation	Number of policies	USDA FS	Governments and Legal Institutions (1.3.4.7)
44		Recreation	382	Travel Time in Cars	Average time spent travelling by individuals in personal passenger cars	Time	SDI Group	Unusable time (1.1.1.7)
45		Renewable Resources	273	Natural Resource Industries	Share of natural-resource inclusive industries in manufacturing value added (%)	Number of Industries	UN CSD	Economic Output (2.1)
46		Renewable Resources	71	Non- Timber Forest Product Removal	Annual removal of non-timber forest products (e.g. fur bearers, berries, mushrooms, game), compared to the level determined to be sustainable.	Amount Non-Timber Products	USDA FS	Crude Lumber and Wood Products (2.1.3.6)
47		Sustainable Development Education	313	Agriculture Research Spending	Cost of extension services provided and investment in agricultural research (US\$) (EURO)	Amount of Money Spent	UN CSD	Expenditures (3.1.5)
48		Sustainable Development Spending	276	Net Resource Transfer	Ratio of net resource transfer/Gross Domestic Product (%)	Amount of Money Spent	UN CSD	Expenditures (3.1.5)
49		Sustainable Development Spending	277	ODA	Total ODA given or received as percentage of Gross Domestic Product (%)	Amount of Money Spent	UN CSD	Expenditures (3.1.5)
50		Trade Deficit	266	Export Concentration	Export concentration ratio (%)	Level of Exports	UN CSD	Economic Output (2.1)
51		Trade Deficit	261	Exports	Exports of goods and services (US\$) (EURO)	Amount of Money	UN CSD	Economic Output (2.1)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
52		Trade Deficit	262	Imports	Imports of goods and services (US\$) (EURO)	Amount of Money	UN CSD	Economic Output (2.1)
53		Trade Deficit	274	Manufacturers in Merchandise Exports	Share of manufacturers in merchandise exports (%)	Level of Exports	UN CSD	Economic Output (2.1)
54		Traffic Congestion	256	Commuting Time	Travel time for work trips	Time	UN CSD	Unusable Time (1.1.1.7)
55		Unemployment	6	Unemployment Rate	Unemployment rate	Number of People	PCSD	Population (1.1.1.5)
56		Unemployment	124	Median Wage Level	Median wage level	Income	SDI Group	Income (3.1.4)
57		Unemployment	224	Employment Rate	Employment rate (%)	Number of People	UN CSD	Population (1.1.1.5)
58		Urban Decay	368	Urban Decay	Number of cities experiencing a sharp decline in population and income within the last 30 years.	Number of Cities	SDI Group	Urban (1.2.2.7)
59		Welfare	366	Welfare Dependants	Number of people receiving financial aid from Federal, state, and local Governments. This excludes recipients of Medicare and related programs.	Number of People	SDI Group	Population (1.1.1.5)
60		Welfare	367	Welfare Spending	Money spent by Federal, State, and local governments on welfare, except Medicare and related programs.	Amount of Money Spent	SDI Group	Expenditures (3.1.5)

ENVIRONMENT oriented data

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
61	Environment	Arable Land	310	Arable Land Per Capita (3	Arable land per capita (ha/capita)	Area of Agricultural Land	UN CSD	Agricultural Land (1.2.2.1)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
62		Biodiversity / Habitat Change	144	Wetlands Lost or Restored	Number of wetlands lost and restored under the Pilot Wetlands Reserve Program	Area of Wetlands	CEQ	Wetland (1.2.2.9)
63		Changing Biodiversity	154	Endangered Species	Number of species listed as threatened or endangered under the Endangered Species Act (ESA)	Number of Species	CEQ	Species Diversity (1.2.1.2.4)
64		Changing Biodiversity	179	Coastal Water Biodiversity	Diversity & distribution of fishes & invertebrates in coastal waters	Number of Species	NOOA	Species Diversity (1.2.1.2.4)
65		Changing Biodiversity	21	Endangered Species	Number of endangered species	Number of Species	PCSD	Species Diversity (1.2.1.2.4)
66		Changing Biodiversity	386	Genetically Threatened Species	Number of species with nearly identical genetic makeup	Number of Species	PCSD	Species Diversity (1.2.1.2.4)
67		Changing Biodiversity	17	Old Growth Forest Area	Total old growth forest area	Area of Forest Land	PCSD	Ecosystem Diversity (1.2.1.2.2)
68		Changing Biodiversity	385	Ecosystem Diversity	Area of threatened ecosystems by type	Area of Land	SDI Group	Ecosystem Diversity (1.2.1.2.2)
69		Changing Biodiversity	383	Ecosystem Fragmentation	Area of fragmented ecosystem types	Area of Land	SDI Group	Ecosystem Diversity (1.2.1.2.2)
70		Changing Biodiversity	351	Land Cover	Area of land ecosystems organized by type	Area of Land	SDI Group	Ecosystem, Land (1.2.2)
71		Changing Biodiversity	384	Reduced Range Species	Number of species that occupy a small portion of their former range	Number of Species	SDI Group	Species Diversity (1.2.1.2.4)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
72		Changing Biodiversity	79	Dead Forest Water Bodies	Number of water bodies that have lost half of their native fish populations	Number of Water Bodies	USDA FS	Biota Population (1.2.1.2.1)
73		Changing Biodiversity	74	Diminished Forest Land	Area and percent of forest land with diminished biological components indicative of changes in fundamental ecological processes (e.g. soil, nutrient cycling, seed dispersion, pollination)	Area of Forest Land	USDA FS	Ecosystem Diversity (1.2.1.2.2)
74		Changing Biodiversity	64	Endangered Forest Species	The status (rate, threatened, endangered, or extinct) of forest dependent species at risk of not maintaining viable breeding populations, as determined legislation or scientific assessment	Number of Species	USDA FS	Species Diversity (1.2.1.2.4)
75		Changing Biodiversity	59	Forest Diversity by Age	Extent of area by forest type and by age class or successive stage	Area of Forest Land	USDA FS	Ecosystem Diversity (1.2.1.2.2)
76		Changing Biodiversity	58	Forest Diversity by Type	Ecosystem Diversity Extent of area by forest type relative to total forest area	Area of Forest Land	USDA FS	Ecosystem Diversity (1.2.1.2.2)
77		Changing Biodiversity	62	Forest Fragmentation	Fragmentation of forest types	Area of Forest Land	USDA FS	Ecosystem Diversity (1.2.1.2.2)
78		Changing Biodiversity	66	Forest Species Population	Population levels of representative species from diverse habitats monitored across their range	Species Population	USDA FS	Biota Population (1.2.1.2.1)
79		Changing Biodiversity	65	Reduced Range Forest Species	Number of forest dependent species that occupy a small portion of their former range	Area of Forest Land	USDA FS	Species Diversity (1.2.1.2.4)
80		Climate / Global Climate Change	196	Ocean Surface Temperature	Ocean Surface temperature	Temperature	NOAA	Oceans (1.2.5.4)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
81		Conservation	323	Protected Land	Protected area as % of total land area	Area of Forest Land	UN CSD	Ecosystem, Land (1.2.2)
82		Conservation	98	Cultural Forest Land	Area and percent of forest land managed in relation to the total area of forest land to protect the range of cultural, social and spiritual needs and values	Area of Forest Land	USDA FS	Forest Land (1.2.2.3)
83		Conservation	103	Forest Substance Use	Protected areas of Forest Land used for subsistence purposes.	Area of Forest Land	USDA FS	Forest Land (1.2.2.3)
84		Conservation	61	Protected Forest by Age	Extent of areas by forest type in protected areas defined by age class or successive stage	Area of Forest Land	USDA FS	Forest Land (1.2.2.3)
85		Conservation	60	Protected Forest by Type	Extent of areas by forest type in protected area categories as defined by IUCN or other classification systems.	Area of Forest Land	USDA FS	Forest Land (1.2.2.3)
86		Declining Fisheries	167	Fish Catch	Fish landings/amount & value	Amount of Fish	NOOA	Crude Foods and Feeds (2.1.3.3)
87		Declining Fisheries	166	Fish Stock Use	Fish stocks/percent fully utilized	Amount of Fish	NOOA	Productive Capacity (1.2.1.6)
88		Declining Fisheries	428	Fish Catch to Growth ratio	Total fish landings (including by-catch) divided by the fish population growth rate	Amount of Fish	SDI Group	Harvesting of Biota (3.1.2.3)
89		Declining Fisheries	295	Marine Max Sustained Yield	Division in stock of marine species from maximum sustained yield (or another level) (%)	Species Population	UN CSD	Biota Population (1.2.1.2.1)
90		Declining Fisheries	291	Marine Species Catches	Catches of marine species (t)	Amount of Fish	UN CSD	Crude Foods and Feeds (2.1.3.3)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
91		Declining Fisheries	296	Maximum Sustained Yield Ratio	Ratio between Maximum Sustained Yield (or another) abundance and actual average abundance (%)	Species Population	UN CSD	Biota Population (1.2.1.2.1)
92		Deforestation	150	Reforested Land	Millions of acres of public and private forest land reforested	Area of Reforested Land	CEQ	Forest Land (1.2.2.3)
93		Deforestation	151	Timber Harvest	Billions of cubic feet of timber harvested in the U.S. (EU)	Volume of Lumber	CEQ	Crude Lumber and Wood Products (2.1.3.6)
94		Deforestation	315	Lumber Harvest Rate	Volume of lumber harvested per year (km ³ /annum)	Volume Lumber per Year	SDI Group	Harvesting of Biota (3.1.2.3)
95		Deforestation	396	Deforestation Rate	Area of forest harvested per year for lumber	Area of Forest Land	UN CSD	Harvesting of Biota (3.1.2.3)
96		Deforestation	318	Forest Area	Forest area (km ²)	Area of Forest Land	UN CSD	Forest Land (1.2.2.3)
97		Deforestation	321	Protected Forest Land	Protected forest area as % of total land area	Area of Protected Forest Land	UN CSD	Forest Land (1.2.2.3)
98		Deforestation	320	Reforestation Rate	Reforestation rate (km ³ /annum)	Volume Lumber per Year	UN CSD	Forest Land (1.2.2.3)
99		Deforestation	316	Round wood Production	Annual round wood production (m ³)	Volume of Lumber	UN CSD	Forest Land (1.2.2.3)
100		Deforestation	317	Tender Stocks	Tender stocks (m ³)	Volume of Lumber	UN CSD	Productive Capacity (1.2.1.6)
101		Deforestation	90	Consumption Non-wood Products	Supply and consumption/use of non-wood products from forests	Amount of Non-Wood Products	USDA FS	Crude Lumber and Wood Products (2.1.3.6)
102		Deforestation	67	Forest Land for Timber	Area of forest land and net area of forest land available for timber production	Area of Forest Land	USDA FS	Productive Capacity (1.2.1.6)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
103		Deforestation	68	Total Tree Growing Stock	Total growing stock of both merchantable and non merchantable tree species on forest land available for timber production.	Volume	USDA FS	Productive Capacity (1.2.1.6)
104		Deforestation	70	Wood Product Removal	Annual removal of wood products compared to the volume determined to be sustainable.	Volume	USDA FS	Harvesting of Biota (3.1.2.3)
105		Deforestation	87	Wood Products Consumption	Supply and consumption of wood and wood products, including consumption per capita	Amount of Wood Products	USDA FS	Crude Lumber and Wood Products (2.1.3.6)
106		Desertification	397	Desertification Rate	Land area converted to desert per year	Area of Desert Land	SDI Group	Barren Land (1.2.2.2)
107		Desertification	306	Desertification Index	Land affected by desertification (km ³)/desertification on index	Area of Desert Land	UN CSD	Barren Land (1.2.2.2)
108		Desertification	303	Fuel wood Consumption	Fuel wood consumption per capita (m ³)	Volume of Fuel wood	UN CSD	Crude Lumber and Wood Products (2.1.3.6)
109		Desertification	304	Livestock in Dry land	Livestock levels per km ² in dry land	Number Livestock per Area	UN CSD	Population (1.1.1.5)
110		Drought	213	Climate Extremes Index	Climate Extremes Index	Amount of Precipitation	NOOA	Atmosphere (1.2.5.1)
111		Drought	195	Drought	Drought	Amount of Water	NOOA	Water Capacity (1.2.1.8)
112		Drought	209	McKee Drought Index	McKee index, % area in short- long- term drought	Area of Drought Land	NOOA	Ecosystems, Land (1.2.2)
113		Drought	210	Palmer Drought Severity Index	PDSI	Area of Drought Land	NOOA	Water Capacity (1.2.1.8)
114		Drought	211	Palmer Drought Severity Index	PDSI % area in severe/ext. Wet spell	Area of Drought Land	NOOA	Ecosystem, Land (1.2.2)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
115		Drought	199	Precipitation Extremes	Precipitation extremes	Amount of Precipitation	NOOA	Atmosphere (1.2.5.1)
116		Drought	218	Rainfall Frequency	Rainfall frequency	Amount of Precipitation	NOOA	Atmosphere (1.2.5.1)
117		Drought	200	Snow Cover	Snow cover	Area of Snow Cover	NOOA	Water Capacity (1.2.1.8)
118		Drought	212	Total Precipitation	Total precipitation	Amount of Precipitation	NOOA	Water Capacity (1.2.1.8)
119		Drought	307	Drought Frequency	Drought frequency (or intensity)	Number of Droughts	UN CSD	Atmosphere (1.2.5.1)
120		Ecosystem Health	14	Ecosystem Health	Increase in the health of ecosystems, including forests, grasslands, wetlands, surface waters, and coastal lands	TBD	PCSD	Ecological Capacity (1.2.1)
121		Energy Efficiency	158	Energy Consumption Per Capita	Total energy consumption divided by total population organized by type of energy source (coal, oil, gas, nuclear, renewable, etc.)	Amount of Money Spent on Energy	CEQ	Economic Processes (3.1)
122		Energy Efficiency	441	Energy Consumption Per GDP	Energy consumption per dollar of Gross Domestic Product	Amount of Money Spent on Energy	CEQ	Economic Processes (3.1)
123		Energy Resources	155	Fossil Fuel Reserves	Proved reserves of crude oil, natural gas, and natural gas plant liquids	Amount of Fossil Fuel	CEQ	Non-Renewable Resources (1.2.6)
124		Energy Resources	156	Nuclear Material Used	Millions of pounds of nuclear materials used	Amount of Nuclear Fuel	CEQ	Finished Fuels and Related Products and Power (2.1.5.3)
125		Energy Resources	157	Renewable Energy Consumption	Percentage of U.S. annual energy use that is produced using renewable energy sources, which include hydropower, solar, biomass, municipal solid wastes, wind and geothermal energy	Energy Consumption	CEQ	Finished Fuels and Related Products and Power (2.1.5.3)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
126		Energy Resources	372	Energy Imports by Type	Total energy imports by fuel type (oil, natural gas, nuclear, wood etc.)	Amount of Fossil Fuel	SDI Group	Finished Fuels and Related Products and Power (2.1.5.3)
127		Energy Resources	361	Urban Energy Consumption	Energy consumed in urban areas as a percentage of total energy consumed	Energy	SDI Group	Finished Fuels and Related Products and Power (2.1.5.3)
128		Energy Resources	371	Energy Consumption by Type	Total energy consumption by fuel type (oil, natural gas, nuclear, wood etc.)	Energy	UN CSD	Finished Fuels and Related Products and Power (2.1.5.3)
129		Energy Resources	362	Energy Consumption by Use	Total Energy consumed by use (construction, transportation, production, heating etc.)	Energy	UN CSD	Finished Fuels and Related Products and Power (2.1.5.3)
130		Energy Resources	269	Energy Consumption Per Capita	Annual energy consumption per capita	Energy Consumption	UN CSD	Finished Fuels and Related Products and Power (2.1.5.3)
131		Energy Resources	271	Energy Reserves by Type	Proven energy reserves equivalents by type (hydroelectric, fossil fuel, nuclear etc.)	Amount of Fossil Fuel	UN CSD	Non-Renewable Resources (1.2.6)
132		Energy Resources	272	Energy Reserves Lifetime	Lifetime of proven energy reserves (years)	Amount of Fossil Fuel	UN CSD	Non-Renewable Resources (1.2.6)
133		Energy Resources	319	Wood Energy Consumption	Wood as percentage of energy consumption	Energy	UN CSD	Finished Fuels and Related Products and Power (2.1.5.3)
134		Environment Quality / Acidification	358	Acid Lakes	Number of standing lakes, streams, and receivers with high pH level resulting from excess sulphuric and nitric acid.	Number of Water Bodies	SDI Group	Water Systems (1.2.2.8)
135		Environment Quality / Acidification	357	Acid Rain	Area of land with high pH level resulting from excess Sulphuric and Nitric acid.	Area of Land	SDI Group	Ecosystems, Land (1.2.2)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
136		Environment Quality / Acidification	328	SOX and NOX Emissions	Emissions of Sulphur Oxides (SOX) and Nitrous Oxides (NOX) (t)	Amount of Acids	UN CSD	Emissions into Air (3.1.3.2)
137		Environment Quality / Acidification	350	SOX and NOX Emissions	Reductions in the emissions of Sulphur Oxides (SOX) and Nitrous Oxides (NOX) (% per year)	Amount of Acids	UN CSD	Emissions into Air (3.1.3.2)
138		Environment Quality / Air Quality	139	Ambient Toxins in Air	Measured concentrations of harmful chemicals at USGS National Trends Network Stations	Amount of Pollutants	CEQ	Air Capacity
139		Environment Quality / Air Quality	136	Unclean Air Areas	Number of non-attainment areas for the NAAQS pollutants.	Area of Land	CEQ	Air Capacity
140		Environment Quality / Air Quality	138	Unclean Air Days	Number of Pollution Standards Index days greater than 100	Time	CEQ	Air Capacity
141		Environment Quality / Air Quality	188	Troposphere Ozone	Troposphere Ozone	Amount of Ozone	NOAA	Air Capacity
142		Environment Quality / Air Quality	1	People in Clean Air Non-attainment Areas	Number of people living in areas that do not meet air quality standards	Number of People	PCSD	Dispersal of Air Emissions
143		Environment Quality / Air Quality	376	Lead Emissions	Amount of Lead emissions	Mass	SDI Group	Emissions into Air (3.1.3.2)
144		Environment Quality / Air Quality	375	Particulate Emissions	Amount of particulate emissions	Mass	SDI Group	Emissions into Air (3.1.3.2)
145		Environment Quality / Air Quality	374	Volatile Organic Compound Emissions	Amount of Volatile Organic Compound (VOC) emissions	Mass	SDI Group	Emissions into Air (3.1.3.2)
146		Environment Quality / Air Quality	330	Ambient Urban Pollutants	Ambient concentrations of SO ₂ , CO _x , NO _x , O ₂ and TSP in urban area (ppm)	Amount of Pollutants	UN CSD	Urban (1.2.2.7)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
147		Environment Quality / Air Quality	240	Exposure to Air Pollution	% of people exposed to high concentrations of health damaging air pollution	Number of People	UN CSD	Urban (1.2.2.7)
148		Environment Quality / Air Quality	73	Polluted Forest Land	Area and percent of forest land subjected to levels of specific air pollutants (e.g. sulphates, nitrate, ozone) or ultra violet B that may cause negative impacts on the forest ecosystem.	Area of Land	USDA FS	Forest Land (1.2.2.3)
149		Environment Quality / Biota Contamination	146	Contaminants in Shellfish	Annual contaminant concentrations in mussels and oysters measured as part of NOAA National Status and Trends Program	Amount of Pollutants	CEQ	Crude Foods and Feeds (2.1.3.3)
150		Environment Quality / Biota Contamination	145	Shellfish Harvest Areas	Percentage of waters in 23 shellfish growing states approved for harvest at all times by the NOAA National Ocean Service	Area of Shellfish Fisheries	CEQ	Ecosystems, Estuarine
151		Environment Quality / Biota Contamination	178	Estuarine Biota Impact	Impacts on estuarine & marine biota	Amount of Pollutants	NOAA	Water Capacity (1.2.1.8)
152		Environment Quality / Biota Contamination	177	Marine Biota Contaminants	Chemical contaminants in estuarine & marine biota	Amount of Pollutants	NOAA	Water Capacity (1.2.1.8)
153		Environment Quality / Biota Contamination	182	Shellfish Quality	Quality of shellfish harvesting areas	Amount of Pollutants	NOAA	Productive Capacity (1.2.1.6)
154		Environment Quality / Biota Contamination	3	Toxic Exposures	Toxic emissions	Mass of Releases	PCSD	Waste Production (3.1.3)
155		Environment Quality / Biota Contamination	432	Contaminants in Biota	Chemical contaminants in Land, estuarine, & marine biota	Amount of Pollutants	SDI Group	Economic Output (2.1)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
156		Environment Quality / Contamination of Soil	22	Nutrients and Toxics	Tons of toxins per year	Mass of Releases	PCSD	Waste Production (3.1.3)
157		Environment Quality / Soil Contamination	75	Toxic Land Area	Area and percent of land experiencing an accumulation of persistent toxic substances, including superfund and brown field sites	Area of Land	SDI Group	Ecosystems, Land (1.2.2)
158		Environment Quality / Soil Contamination	340	Hazardous Waste Land	Area of land contaminated by hazardous waste (km²)	Area of Contaminated Land	UN CSD	Ecosystems, Land (1.2.2)
159		Environment Quality / Soil Contamination	81	Toxic Forest Land	Area and percent of forest land experiencing an accumulation of persistent toxic substances.	Area of Land	USDA FS	Forest Land (1.2.2.3)
160		Environment Quality / Water Contamination	176	Coastal Water Fish Kills	Fish kills in coastal waters	Number of Fish kills	NOAA	Productive Capacity (1.2.1.6)
161		Environment Quality / Water Contamination	172	Coastal Water Heavy Metals	Heavy metal discharges to coastal waters	Mass of Releases	NOAA	Discharges into Water
162		Environment Quality / Water Contamination	353	Groundwater Contamination	Area of land with contaminated ground water	Area of Land	SDI Group	Water Capacity (1.2.1.8)
163		Environment Quality / Environmental Technology	50	Environment Technology Exports	Dollars (EURO) of exported technology that is cost-effective and environmentally sound	Amount of Money	PCSD	Economic Output (2.1)
164		Environment Quality / Eutrophication	171	Algal Blooms	Algal blooms & ecosystem functioning	Number of Algae Blooms	NOAA	Biota Population

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
165		Environment Quality / Eutrophication	170	Coastal Water Nutrients	Biochemical Oxygen Demand, Nitrogen, & Phosphorus loadings into coastal waters (point & non point sources)	Amount of Nutrients	NOAA	Water Capacity (1.2.1.8)
166		Environment Quality / Eutrophication	359	Deposition of Atmospheric Nitrogen	Amount of atmospheric nitrogen absorbed into water bodies.	Amount of Nitrogen	SDI Group	Water Capacity (1.2.1.8)
167		Environment Quality / Eutrophication	297	Algae Index	Algae index	Amount of Algae	UN CSD	Ecosystems, Marine
168		Environment Quality / Eutrophication	294	Coastal Water Nutrient Releases	Releases of N and P to coastal waters (t)	Mass of Releases	UN CSD	Discharges into Water
169		Environment Quality / Eutrophication	309	Fertilizer Use	Use of fertilizers (t/km ³)	Amount of Nutrients	UN CSD	Forest Land (1.2.2.3)
170		Environment Quality / Natural Disasters	208	Tornado Frequency	Tornado frequency	Number of Storms	NOAA	Extreme Weather Events
171		Environment Quality / Natural Disasters	205	Tropical Cyclones	Tropical cyclones (frequency & intensity)	Number of Storms	NOAA	Extreme Weather Events
172		Environment Quality / Natural Disasters	206	Extra Cyclone	Extra Cyclone	Number of Storms	NOAA	Extreme Weather Events
173		Environment Quality / Natural Disasters	356	Flood Prone Cities	Number of urban areas located on flood planes or other areas experiencing a major flood at least once per decade	Number of Cities	SDI Group	Urban (1.2.2.7)
174		Environment Quality / Toxic Chemical Releases	147	Oil and Chemical Spills	Number of oil and chemical spills annually	Number of Releases	CEQ	Discharges into Water

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
175		Environment Quality / Toxic Chemical Releases	161	Toxic Release Inventory	Number of Toxic Releases Inventory (TRI) releases, which include chemicals released into the air and water, on the land, and underground	Number of Releases	CEQ	Waste Production (3.1.3)
176		Environment Quality / Toxic Chemical Releases	180	Coastal Resource Oil Spill	Coastal resources at risk from spilled oil	Length of Shoreline	NOAA	Ecosystems, Estuarine
177		Environment Quality / Toxic Chemical Releases	173	Coastal Water Oil Discharge	Oil & grease discharges to coastal waters	Mass of Releases	NOAA	Discharges into Water
178		Environment Quality / Toxic Chemical Releases	175	Coastal Water Oil Spills	Oil spills in coastal waters	Number of Releases	NOAA	Discharges into Water
179		Environment Quality / Toxic Chemical Releases	181	Total Water Discharges	Pollutant discharges from industrial, municipal, & power generating facilities	Mass of Releases	NOAA	Discharges into Water
180		Environment Quality / Toxic Chemical Releases	293	Coastal Water Oil Discharges	Discharges of oil into coastal waters (t)	Mass of Releases	UN CSD	Discharges into Water
181		Environment Quality / Water Quality	377	Heavy Metals in Water	Concentrations of Lead, Cadmium, and Ammonium	Amount of Pollutants	CEQ	Water Capacity (1.2.1.8)
182		Environment Quality / Water Quality	142	Lakes Requiring Cleanup	Percentage of rivers, lakes, and streams that need pollution control actions, as determined by EP A	Number of Water Bodies	CEQ	Water Systems (1.2.2.8)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
183		Environment Quality / Water Quality	143	Lakes With Lead	Number of water systems that exceed the lead action level of 15 ppb suggested by EPA	Number of Water Bodies	CEQ	Water Systems (1.2.2.8)
184		Environment Quality / Water Quality	140	Water Constituents	Concentrations of selected chemical physical, and sanitary constituents of water at stations	Amount of Pollutants	CEQ	Water Capacity (1.2.1.8)
185		Environment Quality / Water Quality	18	Healthy Lakes	Number of water systems classified as safe for fish harvest	Number of Water Bodies	PCSD	Water Systems (1.2.2.8)
186		Environment Quality / Water Quality	2	People Drinking Water	Number of people living in areas that do not meet safe drinking water standards	Number of People	PCSD	Water Capacity (1.2.1.8)
187		Environment Quality / Water Quality	388	Lakes With Thermal Pollution	Number of water systems with temperatures that exceed the normal by 5 degrees centigrade	Number of Water Bodies	SDI Group	Water Systems (1.2.2.8)
188		Environment Quality / Water Quality	446	Water Quality Index	Index of water quality measuring the appropriate concentrations of selected chemical, physical and sanitary constituents of water at stations.	Amount of Constituents	SDI Group	Water Capacity (1.2.1.8)
189		Environment Quality / Water Quality	288	Freshwater Faecal Coliform	Concentration of faecal Coliform in freshwater bodies (n°/100ml)	Amount of Bacteria	UN CSD	Water Capacity (1.2.1.8)
190		Environment Quality / Water Quality	289	Oxygen in Water	BOD and COD in water bodies (mg/l)	Amount of Oxygen	UN CSD	Water Capacity (1.2.1.8)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
191		Environment Quality / Water Quality	80	Dead Forest Water Bodies	Percent of water bodies in forest areas (e.g. stream kilometres, lake hectares) with significant variation from the historic range of variability in pH, dissolved oxygen, levels of Chemicals (electrical conductivity), sedimentation or temperature change.	Number of Water Bodies	USDA FS	Water Systems (1.2.2.8)
192		Environmental Protection	326	Biosafety Regulations	National biosafety regulations/guide lines	Number of Regulations	UN CSD	Law (1.3.3.3)
193		Environmental Protection	280	Environment Protection Expenditures	Environmental protection expenditure as % of Gross Domestic Product	Amount of Money Spent	UN CSD	Expenditures (3.1.5)
194		Environmental Protection	281	Environmental Taxes Subsidies	(Environmental) Taxes and subsidies as % of government revenue	Amount of Taxes	UN CSD	Income (3.1.4)
195		Environmental Protection	113	Forest Law Enforcement	Number of persons designated to enforce laws, regulations, guidelines that promote the sustainable use of forests	Number of Officers	USDA FS	Justice, Public Order and Safety (1.1.2.3.7.S)
196		Environmental Protection	107	Forest Management Laws	Extent to which the legal framework (laws, regulations, guidelines) supports the conservation and sustainable management of forests, including the extent to which it encourages best practice codes for forest management.	Number of Regulations	USDA FS	Law (1.3.3.3)
197		Environmental Protection	108	Forest Management Laws	Number of laws, regulations, and guidelines supporting the conservation and sustainable use of forests	Number of Regulations	USDA FS	Law (1.3.3.3)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
198		Environmental Protection	104	Forest Property Rights	Extent to which the legal framework (laws, regulations, guidelines) supports the conservation and sustainable management of forests, including the extent to which it clarifies property rights, provides for appropriate land tenure arrangements, recognizes customary and traditional rights of indigenous people, and provides means of resolving property disputes by due process.	Number of Regulations	USDA FS	Law (1.3.3.3)
199		Erosion	300	Erosion Index	Area affected by soil erosion/erosion index	Area of Eroded Land	UN CSD	Soil Capacity (1.2.1.7)
200		Erosion	76	Modified Forest Streams	Percent of stream kilometres in forested catchments in which stream flow and timing has significantly deviated from the historic range of variation.	Length of Streams	USDA FS	Water Systems (1.2.2.8)
201		Exotic Species	443	Exotic Species in US	The total number of exotic species in the United States	Number of Exotic Species	PCSD	Introduction of Biota (3.1.2.4)
202		Exotic Species	23	Invasive Exotic Species	The total number of invasive species and their distribution in the United States	Number of Exotic Species	SDI Group	Introduction of Biota (3.1.2.4)
203		Exotic Species	426	New Exotic Species Rate	Number of harmful exotic species introduced into the United States each year	Number of Exotic Species	SDI Group	Introduction of Biota (3.1.2.4)
204		Exotic Species	69	Exotic Species Plantations	The area and growing stock of plantations of native and exotic species	Area of Land	USDA FS	Agricultural Land (1.2.2.1)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
205		Global Climate Change	141	Greenhouse Gas Emissions	Emissions of greenhouse gases, which are CO ₂ , CH ₃ , NO ₂ , CFC's, and ozone	Amount of Greenhouse Gases	CEQ	Emissions into Air (3.1.3.2)
206		Global Climate Change	192	Arctic Optical Depth	Arctic haze / optical depth	Air Clarity	NOOA	Atmosphere (1.2.5.1)
207		Global Climate Change	185	Carbon Dioxide	CO ₂	Amount of Greenhouse Gases	NOOA	Atmosphere (1.2.5.1)
208		Global Climate Change	190	Chlorofluorocarbons	CFCs, HFCs	Amount of Greenhouse Gases	NOOA	Atmosphere (1.2.5.1)
209		Global Climate Change	215	Greenhouse Climate Response Index	Arithmetic average of 1) percent of US with much above normal minimum temperatures, 2) percent of US with much above normal precipitation during the months of October through April, 3) percent of US in extreme or severe drought during the months of May through September and 4) the percent of the US with a much greater than normal proportion of precipitation derived from extreme one day precipitation events (exceeding 2 inches).	Temperature	NOOA	Atmosphere (1.2.5.1)
210		Global Climate Change	197	Maximum Temperature	Maximum temperature	Temperature	NOOA	Atmosphere (1.2.5.1)
211		Global Climate Change	186	Methane	CH ₄	Amount of Greenhouse Gases	NOOA	Atmosphere (1.2.5.1)
212		Global Climate Change	193	Methane Isotopes	CH ₄ Isotope	Air Clarity	NOOA	Atmosphere (1.2.5.1)
213		Global Climate Change	198	Minimum Temperature	Minimum temperature	Temperature	NOOA	Atmosphere (1.2.5.1)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
214		Global Climate Change	191	Nitrous Oxides	N2O	Amount of Greenhouse Gases	NOOA	Atmosphere (1.2.5.1)
215		Global Climate Change	198	Ocean Surface Temperature	Ocean Surface temperature	Temperature	NOOA	Oceans (1.2.5.4)
216		Global Climate Change	194	Optical Depth	Optical Depth	Air Clarity	NOOA	Atmosphere (1.2.5.1)
217		Global Climate Change	201	Sea Ice Volume	Sea Ice	Volume of Sea Ice	NOOA	Oceans (1.2.5.4)
218		Global Climate Change	222	Sea Surface Temperature	Sea surface temperature (from A VHRR)	Temperature	NOOA	Oceans (1.2.5.4)
219		Global Climate Change	189	Stratospheric Water Vapour	H2O stratospheric	Amount of Water Vapour	NOOA	Stratosphere (1.2.5.1.3)
220		Global Climate Change	207	Temperature Gradients	Temperature gradients -- NH-SR, land-ocean, pole-equator	Temperature	NOOA	Oceans (1.2.5.4)
221		Global Climate Change	223	Vegetation Index	Vegetation Index (From A VHRR)	Area of Land	NOOA	Ecosystem, Land (1.2.2)
222		Global Climate Change	24	Global Climate Change	CO2 emissions	Amount of Greenhouse Gases	PCSD	Emissions into Air (3.1.3.2)
223		Global Climate Change	51	Global Environment Research	Amount of money spent on research on global environmental problems	Amount of Money Spent	PCSD	Expenditures (3.1.5)
224		Global Climate Change	327	Greenhouse Gas Emissions	Emissions of greenhouse gases (t)	Amount of Greenhouse Gases	UN CSD	Emissions into Air (3.1.3.2)
225		Global Climate Change	331	Greenhouse Gas Reduction	Reductions in the emissions of greenhouse gasses (% per year)	Amount of Greenhouse Gases	UN CSD	Emissions into Air (3.1.3.2)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
226		Global Climate Change	123	Forest Management Spending	Dollars designated for research and development aimed at improving forest management and delivery of forest goods and services, including ability to predict impacts on forests of possible climate change	Amount of Money spent	USDA FS	Expenditures (3.1.5)
227		Global Climate Change	84	Forest Products Biomass	Total mass of carbon in wood products	Mass of Carbon	USDA FS	Contribution to Global System (1.2.1.3)
228		Global Climate Change	82	Total Forest Biomass	Total forest ecosystem biomass and carbon pool, and if appropriate, by forest type, age class, and successive stages.	Mass of Carbon	USDA FS	Forest Land (1.2.2.3)
229		Global Climate Change	83	Total Forest Biomass	Total mass of carbon in forest ecosystem	Mass of Carbon	USDA FS	Contribution to Global System (1.2.1.3)
230		Habitat Change	149	Forest Area	Percentage of U.S. covered with forests, which vary from sparse scrub forests of interior West to highly productive forests of the Pacific Coast and the South	Area of Forest Land	CEQ	Forest Land (1.2.2.3)
231		Habitat Change	19	Native Grasslands	Increased number of acres of healthy native grasslands.	Area of Grasslands	PCSD	Rangeland (1.2.2.5)
232		Habitat Change	16	Wetlands Lost	Area wetlands lost per year	Area of Wetlands	PCSD	Wetland (1.2.2.9)
233		Habitat Change	424	Land Conversion Rates	Conversion rate of one land ecosystem type to another.	Area	SDI Group	Ecosystem, Land (1.2.2)
234		Habitat Change	423	Major Land Use, Including Urban	The total land area in the US by major estuarine and land ecosystem, including both urban and agricultural land.	Area	SDI Group	Ecosystem, Land (1.2.2)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
235		Habitat Change	314	Reclaimed Land	Area of land reclaimed (km ²)	Area of Reclaimed Land	UN CSD	Ecosystem, Land (1.2.2)
236		Habitat Change	122	Human Forest Impact Spending	Millions of dollars devoted to research aimed at improving forest management and reducing impacts of human intervention on forests	Amount of Money Spent	USDA FS	Expenditures (3.1.5)
237		Habitat Change	72	Modified Forest Land	Area and percent of forest affected by processes or agents beyond the range of historic variation, e.g. by insects, disease, competition from exotic species, fire, storm, land clearance, permanent flooding, salinisation, and domestic animals	Area of Forest Land	USDA FS	Forest Land (1.2.2.3)
238		Hazardous Waste Production	338	Hazardous Waste Generation	Generation of hazardous waste (t)	Mass of Waste	UN CSD	Waste Production (3.1.3)
239		Hazardous Waste Production	339	Hazardous Waste Import Export	Imports and exports of hazardous wastes (t)	Mass of Waste	UN CSD	Waste Production (3.1.3)
240		Information Access	118	Forest Indicators	Total number of organizations (Federal, state, and local) developing indicators on sustainable forest management	Number of Groups	USDA FS	Governments and Legal Institutions (1.3.4.7)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
241		Information Access	117	Forest Measurements	Capacity to measure and monitor changes in the conservation and sustainable management of forests, including scope, frequency and statistical reliability of forest inventories, assessments, monitoring and other relevant information	Amount of Data Collected	USDA FS	Governments and Legal Institutions (1.3.4.7)
242		Infrastructure / Poor Sanitation	403	Waste Build-up	Ratio of tons of waste collected to tons of waste produced	Mass of waste	SDI Group	Waste Production (3.1.3)
243		Infrastructure / Public Infrastructure	360	High Growth Urban Areas	Number of urban areas experiencing a growth rate of greater than 50% per year	Number of Cities	SDI Group	Urban (1.2.2.7)
244		International Cooperation	298	Maritime Agreements	Participation in maritime treaties/agreements (yes/no)	Number of Ratified Treaties	UN CSD	National Security and International Affairs (1.1.2.3.7.6)
245		International Cooperation	347	Ratified International Treaties	Ratification of international agreements	Number of Ratified Treaties	UN CSD	National Security and International Affairs (1.1.2.3.7.6)
246		International Cooperation	348	Ratified International Treaties	Implementation of ratified international agreements through national legislation	Number of Ratified Treaties	UN CSD	National Security and International Affairs (1.1.2.3.7.6)
247		Mineral Reserves	402	Mineral Extraction Rate	Amount of minerals extracted per year	Mass of Mineral Reserves	SDI Group	Extraction of Non-Renewable Resources (3.1.2.2)
248		Mineral Reserves	268	Mineral Depletion	Depletion of mineral resources (% of proven reserves)	Amount of Mineral Reserves	UN CSD	Non-Renewable Resources (1.2.6)
249		Mineral Reserves	270	Mineral Reserves	Proven mineral reserves(I)	Amount of Mineral Reserves	UN CSD	Non-Renewable Resources (1.2.6)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
250		Nuclear Waste	162	Temporary Nuclear Waste Storage	Volume of nuclear waste (in cubic meters) at commercial and temporary disposal sites	Volume of Nuclear Waste	CEQ	Nuclear Waste (1.1.2.4.1)
251		Nuclear Waste	369	Nuclear Waste Production	Volume of nuclear waste produced per year	Volume of Nuclear Waste	SDI Group	Waste Production (3.1.3)
252		Nuclear Waste	370	Permanent Nuclear Waste Storage	Volume of nuclear waste in approved, long term storage facilities	Volume of Nuclear Waste	SDI Group	Nuclear Waste (1.1.2.4.1)
253		Outdoor Recreational Services	31	Urban Public Parks	Urban green space, park space, and recreational areas	Area of Park Land	PCSD	Urban (1.2.2.7)
254		Over Irrigation	311	Irrigated Arable Land	Irrigation % of arable land	Amount of Irrigated Land	UN CSD	Agricultural Land (1.2.2.1)
255		Over Irrigation	312	Salination and Water-logging	Area affected by salination and water-logging (km ³)	Volume of Soil	UN CSD	Soil Capacity (1.2.1.7)
256		Pesticide Use	148	Crop Pesticides	Millions of pounds of pesticides used on major crop fields	Mass of Pesticides	CEQ	Releases into Soils (3.1.3.3)
257		Pesticide Use	174	Coastal Water Pesticides	Agricultural pesticide use in coastal areas coastal waters	Mass of Pesticides	NOOA	Releases into Soils (3.1.3.3)
258		Pesticide Use	308	Agricultural Pesticide Use	Use of agricultural pesticides (t/km ³)	Mass of Pesticides	UN CSD	Releases into Soils (3.1.3.3)
259		Population Shifts	251	Mega-cities	Number of mega-cities (10 million or more)	Number of Cities	UN CSD	Urban (1.2.2.7)
260		Population Shifts	229	Population Density	Population density (people/km ²)	Number of People per Area	UN CSD	Human Habitat Capacity (1.2.1.5)
261		Population Shifts	442	Total Population	Total population in the United States (EU) organized by geographic area	Number of People per Area	UN CSD	Population (1.1.1.5)
262		Production Efficiency	165	Materials Consumption per Gross Domestic Product	Metric tons of materials consumed per million dollars of GNP	Mass of Materials	CEQ	Economic Processes (3.1)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
263		Production Efficiency	27	Energy Efficiency	Energy used per unit of output	Amount of Energy	PCSD	Economic Output (2.1)
264		Production Efficiency	25	Materials Consumption per Output	Tons of raw materials used per unit of output	Mass of Materials	PCSD	Economic Output (2.1)
265		Production Efficiency	430	Materials Flow per Gross Domestic Product	Total metric tons of materials in use divided by total Gross Domestic Product	Mass of Materials	SDI Group	Economic Processes (3.1)
266		Production Efficiency	429	Materials Use per Capita	Total metric tons of materials in use divided by total population organized by type, including recycled	Mass of Materials	SDI Group	Economic Processes (3.1)
267		Production Efficiency	88	Value All Forest Products	Dollars of wood and non-wood products per year divided by Gross Domestic Product times 100	Amount of Money	USDA FS	Crude Lumber and Wood Products (2.1.3.6)
268		Production Efficiency	86	Value Non-wood Forest Products	Dollars of non-wood forest products per year	Amount of Money	USDA FS	Crude Lumber and Wood Products (2.1.3.6)
269		Production Efficiency	85	Value Wood Products	Dollars of wood and wood products per year	Amount of Money	USDA FS	Crude Lumber and Wood Products (2.1.3.6)
270		Public Policy	342	Environmental Strategy Programs	Programmes for national environmental strategies (yes/no)	Number of Programs	UN CSD	Governments and Legal Institutions (1.3.4.7)
271		Public Policy	301	Land Reform Policy	Land reform policy (yes/no)	Number of policies	UN CSD	Governments and Legal Institutions (1.3.4.7)
272		Public Policy	299	Land Use	Area of land ecosystems organized by use	Area of Land	UN CSD	Ecosystem, Land (1.2.2)
273		Public Policy	302	Local Resource Management	Decentralized local level natural resource management	Number of Programs	UN CSD	Governments and Legal Institutions (1.3.4.7)
274		Public Policy	346	Mandated EIA	Mandated EIA (yes/no)	Number of Programs	UN CSD	Governments and Legal Institutions (1.3.4.7)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
275		Public Policy	344	National Councils for Sustainable Development	National Councils for Sustainable Development (yes/no)	Number of Programs	UN CSD	Governments and Legal Institutions (1.3.4.7)
276		Public Policy	105	Forest Planning Policy	Extent to which the legal framework (laws, regulations, guidelines) supports the conservation and sustainable management of forests, including the extent to which it provides for periodic forest-related planning, assessment, and policy review that recognizes the range of forest values, including coordination with relevant sectors.	Number of Regulations	USDA FS	Law (1.3.3.3)
277		Public Policy	110	Forest Policy	Number of plans released each year related to sustainable forest management	Number of Plans	USDA FS	Governments and Legal Institutions (1.3.4.7)
278		Public Policy	106	Forest Policy Hearings	Number of people who attend public hearings related to sustainable forest management	Number of People	USDA FS	Law (1.3.3.3)
279		Public Policy	109	Public Forest Hearings	Total number of public hearings related to sustainable forest management	Number of Hearings	USDA FS	Organizing People (1.3.2.3)
280		Recreation	153	Park Visitors	Number of people visiting National Park Service and National Forest Service lands	Number of People	CEQ	Amusement and Recreation Services (2.1.6.1)
281		Recreation	93	Forest Visitor Days	Number of visitor days attributed to recreation and tourism, in relation to population and forest area	Time	USDA FS	Leisure Time (1.1.1.4)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
282		Recreation	91	Recreational Forest land	Area and percent of forest land managed for general recreation and tourism, in relation to the total area of forest land.	Area of Forest Land	USDA FS	Forest Land (1.2.2.3)
283		Refugee Population	253	Informal Settlements	Area and population of informal settlements (km, no)	Number of People per Area	UN CSD	Human Habitat Capacity (1.2.1.5)
284		Renewable Resources	28	Renewable Resource Use	Ratio of amount extracted to amount regenerated	Amount of Natural Resources	PCSD	Productive Capacity (1.2.1.6)
285		Renewable Resources	427	Timber Harvest to Growth Ratio	Total timber harvest divided by total timber growth rate per year	Volume	SDI Group	Harvesting of Biota (3.1.2.3)
286		Renewable Resources	275	Renewable Non-Renewable Energy	Ratio of consumption of renewable over non renewable energy resources	Amount of Natural Resources	UN CSD	Non-Renewable Resources (1.2.6)
287		Soil Quality	15	Soil Loss	Topsoil lost per year	Volume of Soil	PCSD	Soil Capacity (1.2.1.7)
288		Soil Quality	394	Soil Chemistry	Soil chemical content organized by location (e.g., iso contours across the United States)	Chemical Content	SDI Group	Soil Capacity (1.2.1.7)
289		Soil Quality	392	Soil Moisture Content	Average seasonal soil moisture organized by location (e.g., moisture contours across the United States)	Amount of Water	SDI Group	Soil Capacity (1.2.1.7)
290		Soil Quality	391	Soil Nutrients	Average seasonal nutrient content organized by location (e.g., nutrient contours across the United States)	Amount of Nutrients	SDI Group	Soil Capacity (1.2.1.7)
291		Soil Quality	393	Soil Structure	Soil structure (grain size, compaction, etc.) organized by location (e.g., iso-contours across the United States)	Granule size	SDI Group	Soil Capacity (1.2.1.7)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
292		Soil Quality	390	Soil Types	Land area organized by soil type	Area of Land	SDI Group	Soil Capacity (1.2.1.7)
293		Soil Quality	77	Diminished Soil Forest Land	Area forest land with soil of low organic content divided by total forest area	Area of Forest Land	USDA FS	Soil Capacity (1.2.1.7)
294		Soil Quality	78	Soil Compaction Forest Land	Area forest land with compacted soil divided by total forest area	Area of Forest Land	USDA FS	Soil Capacity (1.2.1.7)
295		Species Extinction	169	Endangered Species	Status of species listed under the ESA	Number of Species	NOOA	Species Diversity (1.2.1.2.4)
296		Species Extinction	168	Sea Mammal Population Change	Marine mammals & sea turtles/percent that are stable or increasing	Number of Species	NOOA	Biota Population (1.2.1.2.1)
297		Species Extinction	409	Species Extinction Rate	Number of species lost to extinction in the United States each year	Number of Species	SDI Group	Species Diversity (1.2.1.2.4)
298		Species Extinction	444	Species In Trouble	The total number of species in trouble in the United States.	Number of Species	SDI Group	Species Diversity (1.2.1.2.4)
299		Species Extinction	322	Threatened Species	Threatened species as % of total native species	Number of Species	UN CSD	Species Diversity (1.2.1.2.4)
300		Stratospheric Ozone Depletion	187	Stratospheric Ozone Concentration	O3 total	Amount of Ozone	NOOA	Stratosphere (1.2.5.1.3)
301		Stratospheric Ozone Depletion	204	Stratospheric Temperature	Stratospheric temperature	Temperature	NOOA	Stratosphere (1.2.5.1.3)
302		Stratospheric Ozone Depletion	221	Ultraviolet-B Radiation (2)	Ultraviolet-B radiation	Radiation Flux	NOOA	Atmosphere (1.2.5.1)
303		Stratospheric Ozone Depletion	135	Chlorofluorocarbon Production	Chlorofluorocarbons production	Volume of Chlorofluorocarbons	SDI Group	Emissions into Air (3.1.3.2)
304		Stratospheric Ozone Depletion	373	Skin Cancer Rate	Number of people diagnosed with cancerous melanoma per year	Number of People	SDI Group	Population (1.1.1.5)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
305		Stratospheric Ozone Depletion	329	Ozone Depleting Substances	Production and consumption of ozone depleting substances	Volume of Chlorofluorocarbons	UN CSD	Emissions into Air (3.1.3.2)
306		Sustainable Development Education	152	Silviculture Logger Education	Number of states that have received grants to develop and test the incorporation of silviculture and ecology instruction into planned or ongoing logger education	Number of States	CEQ	Governments and Legal Institutions (1.3.4.7)
307		Sustainable Development Education	54	National Standard Schools	Number of school systems that have adopted K-12 voluntary standards for learning about sustainable development	Number of Schools	PCSD	Educational Institutions (1.3.4.3)
308		Sustainable Development Education	63	Forest Dependant Species	The number of forest dependent species	Number of Species	SDI Group	Species Diversity (1.2.1.2.4)
309		Sustainable Development Education	119	Forest Ecosystem Research	Dollars (EURO) designated for research aimed at improving forest management and understanding of forest ecosystem characteristics and function	Amount of Money Spent	USDA FS	Expenditures (3.1.5)
310		Sustainable Development Education	111	Forest Management Schools	Total number of colleges which offer courses in sustainable forest management	Number of Schools	USDA FS	Intellectual and Cultural Organizations (1.3.4.10)
311		Sustainable Development Spending	121	Forest Research Labs	Total number of research organizations that conduct research on sustainable forest management	Number of Laboratories	USDA FS	Intellectual and Cultural Organizations (1.3.4.10)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
312		Traffic Congestion	33	Public Transportation Use	Use of public and alternative transportation systems	Number of People	PCSD	Transportation, Communications and Utilities Industry (1.1.2.3.10)
313		Traffic Congestion	250	Transportation Fuel Consumption	Transportation fuel consumption per capita (l)	Mass of Fuel Used	UN CSD	Finished Fuels and Related Products and Power (2.1.5.3)
314		Urbanization	183	Coastal Area Population	Population increases in coastal areas	Human Population	NOOA	Human Habitat Capacity (1.2.1.5)
315		Urbanization	184	Coastal Housing	Housing trends in coastal areas	Area of Land	NOOA	Human Habitat Capacity (1.2.1.5)
316		Urbanization	20	Urban Land Conversion	Land area converted to urban use per year	Area of Land	PCSD	Ecosystem, Land (1.2.2)
317		Urbanization	415	Agriculture Land Conversion	Prime agricultural land area converted to urban use per year	Area of Land	SDI Group	Agricultural Land (1.2.2.1)
318		Urbanization	412	Urban Migration	Number of people moving into cities greater than 100.000	Area of Land	SDI Group	Population (1.1.1.5)
319		Urbanization	292	Coastal Area Population Growth	Population growth in coastal areas (%)	Human Population	UN CSD	Human Habitat Capacity (1.2.1.5)
320		Waste Handling	160	Superfund Sites	Number of sites listed in the NPL, which identifies the nation's most seriously contaminated hazardous waste sites eligible for permanent Superfund cleanup	Number of Sites	CEQ	Waste (1.1.2.4)
321		Waste Handling	26	Waste Recycling	% of waste recycled	Mass of Waste	PCSD	Solid. Liquid. And Gas Waste (1.1.2.4.2)
322		Waste Handling	401	Hazardous Waste Accidents	Number of accidents in hazardous waste handling facilities that released waste into the environment	Number of Accidents	SDI Group	Waste Production (3.1.3)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
323		Waste Handling	413	Missing Waste	Amount of waste unaccounted for in disposal process	Mass of Waste	SDI Group	Waste Production (3.1.3)
324		Waste Handling	422	Total Managed Waste	Total mass of waste managed in man-made facilities in the United States (EU) organized by type (including nuclear), by site, and by hazard level. This does not include waste already released in the environment or in abandoned, uncontrolled sites.	Mass of Waste	SDI Group	Waste (1.1.2.4)
325		Waste Handling	341	Hazardous Waste Spending	Expenditure on hazardous waste treatment (US\$)	Amount of Money Spent	UN CSD	Expenditures (3.1.5)
326		Waste Handling	332	Industrial and Municipal Waste	Generation of industrial and municipal waste (l)	Volume of Waste	UN CSD	Waste (1.1.2.4)
327		Waste Handling	336	Municipal Waste per Capita	Municipal waste disposal (t/capita)	Mass of Waste	UN CSD	Waste Production (3.1.3)
328		Waste Handling	334	Waste Collection Spending	Expenditure on waste collection and treatment (US\$ per capita) (EURO per capita)	Amount of Money Spent	UN CSD	Expenditures (3.1.5)
329		Waste Handling	333	Waste Disposal Per Capita	Waste disposed per capita (l)	Volume of Waste	UN CSD	Waste (1.1.2.4)
330		Waste Handling	159	Waste Recycling	Recovery and disposal rates of wastes such as paper, glass, aluminium, plastic, metal, and rubber	Mass of Waste	UN CSD	Waste (1.1.2.4)
331		Waste Handling	335	Waste Recycling	Waste recycling rate (%)	Mass of Waste	UN CSD	Waste (1.1.2.4)
332		Waste Handling	337	Waste Reduction	Waste reduction rates per unit of Gross Domestic Product (t/year)	Mass of Waste	UN CSD	Waste (1.1.2.4)
333		Waste Handling	89	Forest Product Recycling	Tons of recycled paper per year	Mass of Waste	USDA FS	Waste (1.1.2.4)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
334		Water Resources	203	ENSO	NSO, NAO	Amount of Water	NOOA	Water Capacity (1.2.1.8)
335		Water Resources	214	Snow cover	Snow cover	Area of Snow Cover	NOOA	Water Capacity (1.2.1.8)
336		Water Resources	219	Snow Survey	Snow survey	Amount of Precipitation	NOOA	Water Capacity (1.2.1.8)
337		Water Resources	216	Snow Water Equivalent	Snow H2O equivalent	Amount of Precipitation	NOOA	Atmosphere (1.2.5.1)
338		Water Resources	217	Stream flow Forecasts	Stream flow forecasts	Amount of Precipitation	NOOA	Atmosphere (1.2.5.1)
339		Water Resources	354	Water Consumption by Use	Total water consumed organized by use (agriculture, industrial, municipal, etc.)	Amount of Water	NOOA	Economic Processes (3.1)
340		Water Resources	220	Water Resource Availability	Total water available organized by major watersheds	Amount of Water	NOOA	Water Capacity (1.2.1.8)
341		Water Resources	389	Fragmented Water Systems	Number of water systems fragmented from their original condition by human Activities	Number of Water Bodies	SDI Group	Water Systems (1.2.2.8)
342		Water Resources	352	Groundwater Drawdown	Change in depth of water table over time	Distance per Time	SDI Group	Water Capacity (1.2.1.8)
343		Water Resources	387	Seasonal Water Bodies	Number of water bodies with significant seasonal or annual variations	Number of Water Bodies	SDI Group	Water Systems (1.2.2.8)
344		Water Resources	447	Water Consumption to Renewal Ratio	Total water consumed per year divided by the total water resource growth rate per year	Amount of Water	SDI Group	Economic Processes (3.1)
345		Water Resources	398	Water Shortages	Number of cities that have oversubscribed the available water resources	Number of Cities	SDI Group	Urban (1.2.2.7)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
346		Water Resources	285	Ground Surface Water Withdrawals	Annual withdrawals of ground and surface water as % of available water	Amount of Water Used	UN CSD	Extraction of Non-Renewable Resources (3.1.2.2)
347		Water Resources	287	Groundwater Reserves	Groundwater reserves (M³)	Amount of Groundwater	UN CSD	Water Capacity (1.2.1.8)
348		Water Resources	290	Wastewater Treatment	Waste water treatment (% of population served, total and by type of treatment)	Amount of Water Treated	UN CSD	Electric. Gas and Sanitary Service Industry (1.1.2.3.10.3)
349		Water Resources	286	Water Consumption Per Capita	Domestic consumption of water per capita (n)	Amount of Water Used	UN CSD	Extraction of Non-Renewable Resources (3.1.2.2)

SOCIAL oriented data

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
350	Social	Alienation	41	Collaborations	Number of public-private partnerships, goal-setting projects, and consensus-building efforts	Number of Programs	PCSD	Organizing People (1.3.2.3)
351		Alienation	380	Suicide Rate	Number of people who commit suicide each year	Number of People	SDI Group	Population (1.1.1.5)
352		Alienation	129	TV Viewing Time	Amount of TV watching	Time	SDI Group	Leisure Time (1.1.1.4)
353		Alienation	128	Voter Sentiments	Voter sentiments	Number of Voters	SDI Group	Organizing People (1.3.2.3)
354		Crime	30	Violent Crime Rate	Violent crime rates	Number of Crimes	PCSD	Human Relationships (2.3.3)
355		Crime	449	Crime Rate	Overall crime rate for the United States	Number of Crimes	SDI Group	Human Relationships (2.3.3)
356		Crime	379	Prison Capacity	Maximum allowable number of inmates in Federal, state, and local prisons infrastructure	Number of People	SDI Group	Justice, Public Order and Safety (1.1.2.3.7.S)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
357		Crime	378	Prison Population	Number of inmates in Federal, state, and local prisons	Number of People	SDI Group	Population (1.1.1.5)
358		Crime	134	Time with Children	Hours spent with children	Time	SDI Group	Development Time (1.1.1.2)
359		Desertification	305	Poor People in Dry soil Areas	Population living below poverty line (in dry soil areas (%))	Human Population	UN CSD	Population (1.1.1.5)
360		Drug Abuse	365	Drug Abusers	Number of people suffering from drug addiction, including alcohol.	Number of People	SDI Group	Population (1.1.1.5)
361		Education Equity	414	Test Scores by Economic Group	Standardized achievement test scores organized by economic group	Number of People	SDI Group	Educational Services (2.1.6.4)
362		Education Infrastructure	55	Lifelong Learning Communities	Number of school systems and communities with programs for lifelong learning	Number of Schools	PCSD	Educational Institutions (1.3.4.3)
363		Education Infrastructure	131	Education Funding	Total funding for schools	Amount of Money Spent	SDI Group	Expenditures (3.1.5)
364		Education Infrastructure	440	Graduates With Jobs	The total number of high school graduates that obtain jobs within three months of graduation	Number of People (Amount of Money Spent)	SDI Group	Educational Services (2.1.6.4)
365		Education Infrastructure	439	Student Teacher Ratio	The total number of students (kindergarten through high school) divided by the total number of teachers	Number of People (Amount of Money Spent)	SDI Group	Education and Training (3.3.2)
366		Education Infrastructure	437	Teacher Capabilities	The average capacity or skill level of individual teachers to instruct students	Skill level (Amount of Money Spent)	SDI Group	Educational Institutions (1.3.4.3)
367		Education Infrastructure	438	Teacher Training Capacity	The number of trained teachers certified per year	Number of People (Amount of Money Spent)	SDI Group	Educational Institutions (1.3.4.3)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
368		Education Infrastructure	237	Education Spending per Gross Domestic Product	Percent of Gross Domestic product spent on education	Amount of Money Spent	UN CSD	Expenditures (3.1.5)
369		Education Infrastructure	232	Primary School Enrolment	Primary school enrolment ratio (net and gross)	Number of People	UN CSD	Educational Institutions (1.3.4.3)
370		Education Infrastructure	231	School Age Population Growth	Rate of growth of school age population	Number of People	UN CSD	Education and Training Capacity (1.3.2.2.1)
371		Education Infrastructure	233	Secondary School Enrolment	Secondary school enrolment ratio (net and gross)	Number of People	UN CSD	Educational Services (2.1.6.4)
372		Education Quality	57	Graduation Rate	High school graduation rates and number of students going on to college or vocational training	Number of People	PCSD	Educational Institutions (1.3.4.3)
373		Education Quality	56	National Achievement Test Scores	Standardized achievement test scores	Test Scores	PCSD	Educational Services (2.1.6.4)
374		Education Quality	235	5th Grade Education	Survival to grade 5 of primary education (%)	Number of People	UN CSD	Education and Training Capacity (1.3.2.2.1)
375		Education Quality	234	Adult Literacy Rate	Adult literacy rate (%)	Literacy rate (Number of People)	UN CSD	Educational Services (2.1.6.4)
376		Environment Quality / Air Quality	137	Ozone Exposed People	Number of people living in counties that do not meet the ground level ozone standard	Number of People	CEQ	Urban (1.2.2.7)
377		Environment Quality / Contamination of Biota	4	Toxin Diseases	Number of diseases and illnesses due to toxins	Number of Diseases	PCSD	Life Support services
378		Environment Quality / Environmental Technology	325	Biotechnology Research Personnel	R&D personnel in the area of biotechnology (no)	Number of People	UN CSD	Intellectual and Cultural Organizations (1.3.4.10)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
379		Environment Quality / Water Quality	238	People Without Drinking Water	% of people without access to sufficient and safe drinking water	Number of People	UN CSD	Delivery of Nutrition. Shelter and Clothing (1.3.2.1.2)
380		Environmental Equity	12	Environmental Equity	Exposure by income level	Number of People	PCSD	Ecological Capacity (1.2.1)
381		Family Functioning	132	Divorce Rate	Divorce rate	Number of Divorces	SDI Group	Families and Households (1.3.4.6)
382		Family Functioning	433	Family Function	Measure of families effectively performing its basic functions. This serves as a placeholder until a better, more specific measure gets defined.	Number of Divorces	SDI Group	Families and Households (1.3.4.6)
383		Family Functioning	381	Single Parent Families	Number of families headed by a single parent	Number of Families	SDI Group	Families and Households (1.3.4.6)
384		Gender Equity	43	Income of Women	Disparity in incomes between men and women for similar occupations	Income	PCSD	Income (3.1.4)
385		Gender Equity	225	Male Female Wage Ratio	Ratio of average female wage to male wage (%)	Income	UN CSD	Income (3.1.4)
386		Gender Equity	236	Women in Labour Force	Women per 100 men in the labour force (%)	Number of Women	UN CSD	Population (1.1.1.5)
387		Health Care Equity	37	Infant Mortality Economic Group	Infant mortality rates by economic group	Number of Deaths	PCSD	Length of Life (2.3.1.2)
388		Health Care Equity	452	Receipt of Health Care	% of population with adequate access to health care as a function of income level	Number of People	SDI Group	Health Services (2.1.6.6)
389		Health Care Equity	245	Equitable Health Care Coverage	% of population covered by primary health care as a function of income level	Number of People	UN CSD	Health Services (2.1.6.6)
390		Health Care Equity	246	Immunized People	% of eligible population that have been fully immunized against key communicable diseases	Number of People (Mass of Waste)	UN CSD	Physical Health Maintenance (1.3.2.1.4)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
391		Health Care Infrastructure	32	Health Care Spending	Amount of resources dedicated for health care, maternal care, child development, and education	Amount of Money Spent	PCSD	Expenditures (3.1.5)
392		Health Care Infrastructure	130	Health Care Spending	Health care expenditures	Amount of Money Spent	SDI Group	Expenditures (3.1.5)
393		Health Care Infrastructure	244	Health Care Spending	% Gross Domestic Product spent on health	Amount of Money Spent	UN CSD	Expenditures (3.1.5)
394		Health Care Infrastructure	248	Health Service Spending	% of national health expenditure devoted to local health services	Amount of Money Spent	UN CSD	Physical Health Maintenance (1.3.2.1.4)
395		Homelessness	35	Homeless People	Number of homeless people in communities	Number of People	PCSD	Population (1.1.1.5)
396		Housing	255	House Price vs. Income	House price to income ratio	Price	UN CSD	Income (3.1.4)
397		Housing	258	Housing Loans	Housing loans	Number of Loans	UN CSD	Finance. Insurance. And Real Estate Industry (1.1.2.3.3)
398		Illegal Immigration	46	Illegal Immigrants	Number of illegal immigrants	Number of People	PCSD	Recruitment and Immigration (3.3.5)
399		Information Access	34	Community Information Use	Increase in library use	Number of Users	PCSD	Social Institutions (1.3.4)
400		Information Access	52	Internet Access	Number of communities with infrastructure that allows access to government information, public	Number of Internet Hook-ups	PCSD	Community (1.3.4.1)
401		Information Access	349	School Internet Access	Increase in percentage of schools and libraries with access to the Internet and National Information Infrastructure	Number of Internet Hook-ups	PCSD	Intellectual and Cultural Organizations (1.3.4.10)
402		Information Access	395	Distance to Library	Average distance to public library	Distance	SDI Group	Community (1.3.4.1)
403		Information Access	116	Forest Data Users	Number of users of data published on trends in forest ecosystems	Number of Users	USDA FS	Social Institutions (1.3.4)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
404		Infrastructure / Justice	421	Faith in Justice	Number of people who believe the court system is fair	Number of Cases	SDI Group	Population (1.1.1.5)
405		Infrastructure / Justice	420	Prosecution Efficiency	Number of cases tried that result in acquittal due to a legal technicality	Number of Cases	SDI Group	Governments and Legal Institutions (1.3.4.7)
406		Infrastructure / Poor Sanitation	239	People With Sanitation	% of people without access to adequate sanitation	Number of People	UN CSD	Electric. Gas and Sanitary Service Industry (1.1.2.3.10.3)
407		Infrastructure / Public Infrastructure	345	Telephone Lines	Main telephone lines per 100 inhabitants (no.)	Number of Telephone Lines	UN CSD	Communication Industry
408		Infrastructure / Runaway Litigation	417	Lawsuits	Number of lawsuits per year	Number of Lawsuits	SDI Group	Governments and Legal Institutions (1.3.4.7)
409		Infrastructure / Runaway Litigation	419	Lawsuits Damage Awards	Number of lawsuits per year filed by an individual that result in damage awards that exceed \$1 million (EURO)	Number of Lawsuits	SDI Group	Governments and Legal Institutions (1.3.4.7)
410		International Cooperation	48	Environmental US Aid	Dollars (EURO) of US (EU) contribution to environmentally targeted development aid	Amount of Money Spent	PCSD	Expenditures (3.1.5)
411		Malnutrition	241	People Without Food	% of people without access to adequate food supply	Number of People	UN CSD	Delivery of Nutrition. Shelter and Clothing (1.3.2.1.2)
412		Participation	40	Community Group Participation	The average number of hours per week per capita devoted to participation in community organizations	Number of participants	PCSD	Social Process (3.3)
413		Participation	39	Community Organization Participation	Percent of population participating in community organizations	Number of Participants	PCSD	Social Process (3.3)
414		Participation	38	Voter Turnout	Percentage of eligible voters who cast ballots in national, state, and local elections	Number of Voters	PCSD	Social Process (3.3)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
415		Participation	127	Community Groups	Number of community groups	Number of Community Groups	SDI Group	Community Service Organizations (1.3.4.2)
416		Participation	435	Television Viewing Time	Total number of hours per day of television viewing time per person, as identified by Putnam	Time	SDI Group	Leisure Time (1.1.1.4)
417		Population Health	164	Life Expectancy	Life expectancy at birth for the U.S. (EU) population	Time	CEQ	Length of Life (2.3.1.2)
418		Population Health	451	Population Health	A placeholder indicator to measure the status of health in the population	Time	SDI Group	Enjoyment of Good Health (2.3.1)
419		Population Health	242	Infant Mortality Rate	Infant mortality rate (per 1,000 live births). Life expectancy at birth (years)	Number of Deaths	UN CSD	Length of Life (2.3.1.2)
420		Population Health	243	Maternal Mortality Rate	Maternal mortality rate (per 1,000 live births)	Number of Deaths	UN CSD	Length of Life (2.3.1.2)
421		Population Shifts	42	Population Growth Rate	Rate of population growth in the US (EU)	Population growth rate (%)	PCSD	Population (1.1.1.5)
422		Population Shifts	230	Fertility Rate	Total fertility rate	Number of People	UN CSD	Population (1.1.1.5)
423		Population Shifts	227	Population Growth Rate	Population growth rate (%)	Number of People	UN CSD	Population (1.1.1.5)
424		Population Shifts	228	Population Migration Trends	Migration and dispersal patterns of the population within the United States (EU)	Number of People	UN CSD	Recruitment and Immigration (3.3.5)
425		Population Shifts	252	Urban Population	% of population in urban areas	Number of People	UN CSD	Urban (1.2.2.7)
426		Population Shifts	249	Urban population Growth	Rate of growth of urban population (%)	Number of People	UN CSD	Urban (1.2.2.7)
427		Recreation	406	Facilities Within Walking Distance	Number of recreational facilities within walking distance of people	Number of Facilities	SDI Group	Community (1.3.4. 1)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
428		Recreation	431	Outdoor Recreation Services	Total number of visitor days per person attributed to outdoor recreation and tourism	Time	SDI Group	Recreation and Amenity Services (2.2.3)
429		Recreation	92	Forest Recreation Facilities	Number of facilities per visitor	Number of Facilities	USDA FS	Forest Land (1.2.2.3)
430		Social Discrimination	408	Discrimination Cases	Number of racial discrimination cases brought before United States courts	Number of Crimes	SDI Group	Social Conflict (3.3.6)
431		Social Discrimination	407	Hate crimes	Number of hate crimes committed each year	Number of Crimes	SDI Group	Social Conflict (3.3.6)
432		Social Equity	13	Social Equity	Services used by economic group	Number of People per Service	PCSD	Social Institutions (1.3.4)
433		Sustainable Development Spending	47	US Foreign Aid	Dollars of federal money (EURO) dedicated to international aid or developing nations	Amount of Money Spent	PCSD	Expenditures (3.1.5)
434		Teen Pregnancy	45	Teen Pregnancies	Number of teenage pregnancies in the US (EU)	Number of Pregnancies	PCSD	Families and Households (1.3.4.6)
435		Terrorism	363	Acts of Terrorism	Number of terrorist acts within the United States	Number of Acts	SDI Group	Social Conflict (3.3.6)
436		Terrorism	364	Terrorist Groups	Number of terrorist or militant groups that sponsor or stage terrorist acts within the United States	Number of Groups	SDI Group	Political and Non Government Organizations (1.3.4.12)
437		Unwanted Pregnancies	44	Unintended Pregnancies	Number of unintended pregnancies in the US (EU)	Number of Pregnancies	PCSD	Population (1.1.1.5)
438		Unwanted Pregnancies	410	Number of Abortions	Number of abortions each year	Number of Abortions	SDI Group	Social Process (3.3)
439		Unwanted Pregnancies	411	Number of Adoptions	Number of Adoptions each year	Number of Adoptions	SDI Group	Social Process (3.3)
440		Unwanted Pregnancies	247	Woman Family Planning Access	% of women of childbearing age using/with access to family planning	Number of women	UN CSD	Determining Access to Resources (1.3.2.3.2)

	Issue	Sub-issue	N°	Name	Definition	Element characteristic	Source	SDI Framework
441		War	416	Combat Casualties	Number of American soldiers killed in any combat, occupation, or war zone as a function of time	Number of Casualties	SDI Group	Social Conflict (3.3.6)
442		International Cooperation	49	US Aid Sustainable Development	Development and use of new measures for assessing progress toward sustainable development in countries receiving U.S. (EU) assistance.	Number of Indicators	PCSD	National Security and International Affairs (1.1.2.3.7.6)
443		Public Policy	343	Sustainable Development Strategies	Sustainable development strategies (yes/no)	Number of Programs	UN CSD	Governments and Legal Institutions (1.3.4.7)
444		Sustainable Development Education	53	Sustainable Development Schools	Increased number of curricula, materials, and training opportunities that teach the principles of sustainable development	Number of Schools	PCSD	Intellectual and Cultural Organizations (1.3.4.10)
445		Sustainable Development Spending	282	Sustainable Development Spending	Amount of new or additional funding for sustainable development given / received since 1992 (US\$) (EURO)	Amount of Money Spent	UN CSD	Expenditures (3.1.5)