

TABLE 6.1
United Nations *World Water Development Report* indicators

Topic	Indicator	Category in cause-effect approach ^a	Type of indicator ^b
Level of stress on the resource	Index of non-sustainable water use	Driving force, Pressure, State	Key
	Rural and urban population	Pressure, State	Basic
	Relative water stress index	Pressure, State	Key
	Sources of contemporary nitrogen loading	Pressure, State	Key
	Impact of sediment trapping by large dams and reservoirs	Pressure	Key
	Coefficient of variation for the climate moisture index	State	Key
	Water re-use index	Pressure, State	Key
Governance	Access to information, participation and justice	Response	Developing
	Assessing progress towards achieving the integrated water resources management (IWRM) target	Response	Key
Settlements	Percentage of urban population	Pressure, State	Key
	Proportion of urban population living in slums	Pressure, State	Key
State of the resource	Total actual renewable water resources	State	Key
	Total actual renewable water resources per capita	State	Developing
	Inflow from other countries as share of total actual renewable water resources (Dependency Ratio)	State	Developing
	Proportion of total actual renewable freshwater resources withdrawn: MDG Water Indicator	State	Developing
	Groundwater development stress	Pressure, State	Developing
	Brackish/saline groundwater at shallow and intermediate depths	State	Key
	Ecosystems	Fragmentation and flow regulation of rivers: dam Intensity	State, Impact
Dissolved nitrogen (nitrates + nitrogen dioxide)		State	Key
Trends in catchment protection		State, Response	Key
Freshwater species population trends index		State	Key
Health	Disability-adjusted life year	Impact	Key
	Prevalence of stunting among children under age 5	Impact	Developing
	Mortality rate of children under age 5	Impact	Developing
	Access to improved drinking water	Impact	Key
	Access to improved sanitation	Impact	Key

Note: An Indicator Profile sheet with a detailed definition and explanation of how the indicator is computed (as well as data tables for some indicators) is available for most indicators at <http://www.unesco.org/new/en/natural-sciences/environment/water/wwap/indicators/>. Exceptions are sub-indicators for 'Total actual renewable water resources'.

a. The categories are based on the DPSIR (Driving force, Pressure, State, Impact, Response) framework. For details, see WWDR1 (ch. 3, pp. 32–47; <http://unesdoc.unesco.org/images/0012/001297/129726e.pdf#page=53>) and WWDR2 (ch. 1, pp. 33–38; <http://unesdoc.unesco.org/images/0014/001454/145405e.pdf#page=21>).

b. Basic indicators provide fundamental information and are well established and widely used; data are generally widely available for all countries. Key indicators are well defined and validated, have global coverage and are linked directly to policy goals. Developing indicators are in a formative stage and may evolve into key indicators following refinement of methodological issues or data development and testing.

Source: Compiled by E. Koncagül, S. Saddhamangala Withanachchi and L. Dubin.

TABLE 6.1
United Nations *World Water Development Report* indicators (continued)

Topic	Indicator	Category in cause-effect approach ^a	Type of indicator ^b
Food, agriculture and rural livelihoods	Percentage of undernourished people	State	Key
	Percentage of poor people living in rural areas	State	Key
	Agriculture GDP as share of total GDP	State	Key
	Irrigated land as a percentage of cultivated land	Pressure, State	Key
	Agriculture water withdrawals as share of total water withdrawals	Pressure	Key
	Extent of land salinized by irrigation	State	Key
	Groundwater use as share of total irrigation	Pressure, State	Key
Industry and energy	Trends in industrial water use	Pressure	Key
	Water use by major sector	State	Key
	Organic pollution emissions (biochemical oxygen demand) by industrial sector	Impact	Key
	Trends in ISO 14001 certification	Response	Key
	Electricity generation by energy source	State	Key
	Total primary energy supply by source	State	Key
	Carbon intensity of electricity generation	Impact	Key
	Volume of desalinated water produced	Response	Key
	Access to electricity	Pressure	Key
	Capability for hydropower generation	State	Key
Risk assessment	Mortality risk index	State	Key
	Risk and policy assessment indicator	Response	Key
	Climate vulnerability index	State	Key
Valuing and charging for the resource	Water sector share in total public spending	Response	Developing
	Ratio of actual to desired level of public investment in drinking water supply	Response	Developing
	Ratio of actual to desired level of public investment in basic sanitation	Response	Developing
	Rate of operation and maintenance cost recovery for water supply and sanitation	Driving force, Response	Developing
	Water and sanitation charges as percentage of various household income groups	Driving force, Response	Developing
Knowledge base and capacity	Knowledge index	State	Developing

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