

Chapter II Environmental Health Indicators and Benchmarks

Existing Database of Environmental and Public Health Indicators and Benchmarks

In preparation of this Manual, existing environmental and public health indicators and benchmarks, along with other relevant demographic and economic development indicators that directly or indirectly assess human health impacts, were collected from a number of multilateral agencies, national governmental bodies and international non-governmental organizations. These institutions include:

- (1) World Health Organization (WHO)
- (2) Pan American Health Organization (PAHO)
- (3) The World Bank (WB)
- (4) Organization for Economic Cooperation and Development (OECD)
- (5) The United Nations (UN)
- (6) United Nation's Children's Fund (UNICEF)
- (7) Food and Agriculture Organization (FAO)
- (8) United States Environmental Protection Agency (USEPA)
- (9) World Resources Institute (WRI)
- (10) Worldwatch Institute
- (11) International Institute for Sustainable Development (IISD).

Below is a list of the source documents from which relevant environmental and public health indicators and benchmarks were collected from each of the above institutions:

(1) World Health Organization (WHO)

1. World Health Report 1992.
2. Linkage Methods for Environment and Health Analysis: General Guidelines. Book. 1996
3. World Health Report 1999.
4. List of indicators for Children's Environmental Health
5. Technical Paper entitled "Environmental Health Indicators: Framework and Methodologies" by David Briggs.
6. Tools for Assessing the O&M status of water supply and sanitation in developing countries. Tools No. 6 and 7.
7. Health Service Provisions. Selecting and defining national health indicators.

(2) Pan American Health Organization (PAHO)

1. Regional Core Health Data System. Indicators Glossary.
2. Health Situation and Inequities in the Region of the Americas: Atlas of Basic Indicators 1995-1996.
3. Health Situation in the Americas: Basic Indicators 1995-1998.
4. Regional Core Health Data Initiative. Table Generator System.
5. Basic Indicators 1999.
6. Basic Indicators 2000.

(3) The World Bank (WB)

1. Environmental Indicators and Overview of Selected Initiatives at the World Bank.
2. The Little Green Data Book. World, Country and Summary Tables.
3. Environmental Indicators. 2001.
4. Country assistance Strategies and the Environment Indicators.
5. Country assistance Strategies and the Environment. World Bank Paper. July 2001.

6. Conceptual Framework to develop and Use Water Indicators. CIAT/World Bank/UNEP project. August 1999.
 7. Environmental Indicators and overview of selected Initiatives at the World Bank.
 8. World Bank Data and Maps. Data by country and Data query.
- (4) Organization for Economic Cooperation and Development (OECD)**
1. OECD Core Set of Environmental Indicators.
 2. OECD Environmental Data. Annex Table 1 and 1A, Compendium 1999.
 3. OECD Paper on Key environmental Indicators. OECD Environment Directorate. 2001.
 4. Towards More Sustainable Household Consumption Patterns: Indicators to Measure Progress. OECD paper. Working Group on the State of the Environment. October 1999.
 5. Indicators for the Integration of the Environmental Concerns into transport policies. OECD paper. Working Group on the State of the Environment. October 1999.
 6. Advanced Air Quality Indicators and Reporting. Methodological Study and Assessment. OECD Paper. Working Party on Pollution Prevention and Control. September 1999.
 7. Environmental Indicators: Towards Sustainable Development. 1998
- (5) The United Nations (UN)**
1. Indicators for Sustainable Development: Framework and Methodologies.
 2. Background Paper No. 3. Commission on Sustainable Development. Ninth Session. April 2001.
 3. Indicators on Health. Population Division and Statistics Division of the United Nations Secretariat.
 4. Indicators on water supply and Sanitation. United Nations Statistics Division (UNSD).
 5. Development Indicators- Environment and Energy Indicators. United Nations Statistics Division news. Issue 10. January-August 2001.
 6. Environment Statistics. United Nations Statistics Division.
 7. Questionnaire 2001 on Environment Statistics. Water, Air, Waste and Land. United Nations Statistics Division.
 8. Friends of the Chair Advisory Group on Indicators. Development Indicators. United Nations Department of Economic and Social Affairs. Statistics Division.
 9. Activities and Plans of the United Nations Statistics Division and the Statistical Commission in Support of the Harmonization and Rationalization of Indicators. Report of the Secretary General. United Nations Economic and Social Council. Statistical Commission. December 2000.
 10. Road map towards the implementation of the United Nations Millennium Declaration. Report of the Secretary –General. United Nations General Assembly. September 2001.
 11. World Statistics Pocketbook. 2001. Book.
- (6) United Nations Children’s Fund (UNICEF)**
1. UNICEF’s Guide for Monitoring and Evaluation. Appendix C: Indicators for some sectors of UNICEF activity.
 2. The State of the World’s Children 2001. Table No.1. Basic Indicators.
 3. The State of the World’s Children 2001. Table No. 3. Health.
- (7) Food and Agriculture Organization (FAO)**
1. Indicators of Sustainable Development: Selected FAO Activities, 1998. Sustainable Development Dimensions.
 2. Anthropometric, Health and Demographic Indicators in Assessing Nutritional status and food consumption. Sustainable Development Dimensions.
- (8) United States Environmental Protection Agency (USEPA)**
1. Environmental Indicators. Office of Solid Waste.
 2. Risk Screening Environmental Indicators.

(9) World Resources Institute (WRI)

1. Linking Environment to Health: Indicators of Environmental Threats to Health. WRI 1998-1999.
2. Environmental Indicators: A systematic Approach to Measuring and reporting on Environmental Policy Performance in the Context of Sustainable development. 1994.

(10) Worldwatch Institute

1. The Environmental Trends that are shaping our Future. Vital Signs 1998.
2. The Trends that are shaping our future. The Triple Health Challenge. Vital signs 2001.

(11) International Institute for Sustainable Development (IISD)

1. Compendium of Sustainable development Indicator Initiatives. Selected Examples of Indicators. Environmental Indicators.

Data Organization of Existing Environmental Indicators and Benchmarks

In order to facilitate a more in-depth screening analysis, the existing indicators and benchmarks and their respective reference sources from these institutions were organized onto a tabular spreadsheet. This spreadsheet was grouped by organization name and further disaggregated by issue, indicator name, and finally type. Next to “type” classification for each indicator and benchmark is Internet reference sources (weblink URLs) and the dates when they were published. (See Table)