
 water, and only about $15 \%$ of the world's population enjoys relative abundance.


Over 1.4 billion people live in river basins where they consume water faster than it can be replaced, depleting ground water.



In 1900
less than 15\% of the world's population lived in cities.


For the Millennium Development Goal related to drinking water to be met by 2015, 961 million urban dwellers must gain access to an improved water supply.


In developing countries, 70\% of industrial waste is released untreated into waters, polluting the usable water supply.

Water Needed to Produce Food

| Food Item | Unit | Global Average <br> (in litres) |
| :--- | :--- | :--- |
| Chocolate | 1 kg | 24,000 |
| Beef | 1 kg | 15,500 |
| Cheese | 1 kg | 5,000 |
| Pork | 1 kg | 4,800 |
| Olives | 1 kg | 4,400 |
| Chicken | 1 kg | 3,900 |
| Rice | 1 kg | 3,400 |
| Groundnuts (in shell) | 1 kg | 3,100 |
| Dates | 1 kg | 3,000 |
| Mango | 1 kg | 1,600 |
| Sugar (from sugar cane) | 1 kg | 1,500 |
| Bread (from wheat) | 1 kg | 1,300 |
| Banana | 1 kg | 860 |
| Milk | 1 glass | 250 |
|  | (250 ml) |  |

## Q) COBCO <br> - In rain-fed agriculture, up to 85\% of rainwater is lost before it reaches crops. <br> - By the year 2050, 50\% more water will be needed in agriculture to feed the growing world population.

Industries use up 22\% of world's freshwater


High-Income Countries

59\% of total water use is for industry.

Low-Income Countries

Only 8\% of total water use is for industry.

## Every day, 2 million tons of human waste enter water courses.

Oceans and seas receive the brunt of human waste - a serious threat to marine creatures and habitats.

A key requirement for assuring adequate water supplies and their sustainable management is to improve the assessment of water resources.

The IAEA deploys its expertise in nuclear techniques in more than 90 Member States to help locate, manage, and conserve freshwater, as well as to protect the oceans.

The IAEA databases broaden our understanding of water systems, oceans and climates.

The IAEA's water experts help developing countries through technical cooperation, by providing advice, materials, equipment, and training, as well as offering fellowships and research projects.

Sources: UNEP, World Water Assessment Programme (WWAP), Global Environment Outlook: Environment for Development (GEO-4), Human Development Report 2006, World Business Council For Sustainable Development (WBCSD), Food and Agriculture Organization of the United Nations (FAO) and UN-Water, Young People's Trust for the Environment, The Water Footprint of Food (2008), Professor Arjen Y. Hoekstra, University of Twente, the Netherlands, Water For Food, The Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning (Formas), Sweden.

