

## C-2: Freshwater abstraction

### Glossary, abbreviations and units of measurement

#### ***Glossary:***

Agriculture, forestry and fishing (ISIC 01-03): Agriculture, forestry and fishing cover: crop and animal production, hunting and related service activities; forestry and logging; and fishing and aquaculture. This section includes the exploitation of vegetal and animal natural resources, comprising the activities of growing of crops, raising and breeding of animals, harvesting of timber and other plants, animals or animal products from a farm or their natural habitats.

Electricity industry (ISIC 351): Generation, transmission and distribution of electricity.

Freshwater abstraction by water supply industry: Water abstraction by economic units engaged in collection, purification and distribution of water (including desalting of sea water to produce water as the principal product of interest, and excluding system operation for agricultural purposes and treatment of wastewater solely in order to prevent pollution.) The water supply industry is classified as ISIC 36 in the International Standard Industrial Classification of All Economic Activities (ISIC Rev. 4).

Fresh groundwater: Freshwater which is being held in, and can usually be recovered from, or via, an underground formation. All permanent and temporary deposits of water, both artificially charged and naturally, in the subsoil, of sufficient quality for at least seasonal use. This category includes phreatic water-bearing strata, as well as deep strata under pressure or not, contained in porous or fracture soils. For purposes of this questionnaire, groundwater includes springs, both concentrated and diffused, which may be subaqueous.

Fresh surface water: Freshwater which flows over, or rests on, the surface of a land mass; natural watercourses such as rivers, streams, brooks, lakes, etc., as well as artificial watercourses such as irrigation, industrial and navigation canals, drainage systems and artificial reservoirs. For purposes of this questionnaire, water obtained through bank filtration is included under (fresh) surface water. Sea-water, and

transitional waters, such as brackish swamps, lagoons and estuarine areas are not considered fresh surface water. Bank filtration is the use of existing geologic formations adjacent to surface water bodies to filter drinking water. Water in the water bodies filters through the sediments, removing contaminants.

Fresh groundwater abstracted: Fresh groundwater removed from the ground, either permanently or temporarily.

Fresh surface water abstracted: Water removed from any surface water sources, such as rivers, lakes, reservoirs or rainwater, either permanently or temporarily.

Freshwater abstracted: Water removed from any water source (surface water sources, such as rivers, lakes, reservoirs or rainwater; and groundwater sources) either permanently or temporarily. Includes abstraction by the water supply industry for distribution and direct abstraction by other activities for own use. Manufacturing (ISIC 10-33): Manufacturing includes the physical or chemical transformation of materials, substances, or components into new products. The materials, substances, or components transformed are raw materials that are products of agriculture, forestry, fishing, mining or quarrying as well as products of other manufacturing activities. Substantial alteration, renovation or reconstruction of goods is generally considered to be manufacturing.

Water Exploitation Index (WEI): The mean annual total abstraction of freshwater divided by the mean annual total renewable freshwater resources at the country level.

Water supply industry (ISIC 36): Public or private bodies whose main functions are water collection, treatment and distribution activities for domestic and industrial needs.

**Abbreviations:**

AQUASTAT:	FAO's global information system on water and agriculture
ECE:	United Nations Economic Commission for Europe
EEA:	European Environment Agency
EU:	European Union
Eurostat:	European Union Statistical Office

FAO:	Food and Agricultural Organization of the United Nations
ISIC:	International Standard Industrial Classification of All Economic Activities
OECD:	Organisation for Economic Co-operation and Development
UNEP:	United Nations Environment Programme
UNSD:	United Nations Statistics Division
WEI:	Water Exploitation Index
WHO:	World Health Organization
WMO:	World Meteorological Organization

***Units of measurement:***

m <sup>3</sup> :	cubic metre
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