



C1 - Renewable Freshwater Resources

See xls template at https://www.unece.org/env/indicators.html

_		Unit	1990	1995	2000	2001	2002	2003	2004
1	Precipitation	million m³	1990	1995	2000	2001	2002	2003	2004
2	Actual evapotranspiration	million m ³							
3	Internal flow (Row 1 - row 2)	million m ³	n/a						
4	Inflow of surface and groundwaters from neighbouring countries	million m ³							
5	Renewable freshwater resources (Row 3 + Row 4)	million m ³	n/a						
6	Outflow of surface and groundwaters to neighbouring countries	million m ³							
7	Outflow of surface and groundwaters to the sea	million m ³							

Recommended substantive changes:

- Adding long-term annual average values (20 years or more) for each item. Reason: This is needed for the calculation of the Water Exploitation Index and SDG indicator 6.4.2 (Level of water stress)
- Adding "Outflow secured by treaties" (in analogy with UNSD/UNEP questionnaire)

Adding explanations how this links to FAO Aquastat and SDG indicators



3

C2 – Freshwater abstraction
C3 – Total water use
C4 – Household water use per capita
C5 - Water supply industry and population connected to water supply industry
C7 – Water losses





See xls templates at https://www.unece.org/env/indicators.html

Current data production templates include STATISTICS on:

- Abstraction from fresh surface and groundwaters by industries and households (C2)
- Freshwater available: abstractions + desalination + reuse + imports exports
- Freshwater use: Freshwater available losses during transport
- Freshwater use by industries and households
- Population connected to public water supply (PWS)
- Water used by households connected to PWS
- · Water used by households not connected to PWS

Current data production templates include INDICATORS on:

- · Water Exploitation Index
- Total freshwater use per unit of GDP
- · Water use per capita
- Percentage of water losses during transport

Current breakdown of industries and households:

- Water supply industry (ISIC 36)
- Households
- Agriculture, forestry and fishing (ISIC 01-03)
- Manufacturing (ISIC 10-33)
- Electricity industry (ISIC 351)
- Other economic activities

UNECE

1

C2 – Freshwater abstraction C3 – Total water use

C4 – Household water use per capita
C5 - Water supply industry and population connected to water supply industry



Proposed changes of metadata

C7 - Water losses

- Industry breakdown in alignment with 2018 version of UNSD/UNEP questionnaire on environment statistics – section water:
 - · Water supply industry (ISIC 36)
 - Households
 - Agriculture, forestry and fishing (ISIC 01-03)
 - of which for: Irrigation in agriculture
 - Mining and quarrying (ISIC 05-09)
 - Manufacturing (ISIC 10-33)
 - · Electricity, gas, steam and air conditioning supply (ISIC 35)
 - of which for: Electric power generation, transmission and distribution (ISIC 351)
 - Construction (ISIC 41-43)
 - Other economic activities
- 2. Correcting methodology used for Water Exploitation Index (LTAA values for renewable water resources instead of annual values)
- 3. For the time being, NOT ADDING SDG indicator 6.4.2: Level of Water Stress: freshwater withdrawal as a proportion of available freshwater resources (reason: environmental water requirements are calculated by FAO, not by countries)
- 4. Adding SDG indicator 6.4.1: Change in water use efficiency over time (tier II)
- 5. Adding SDG indicator 6.1.1 Proportion of population using safely managed drinking water services (tier II)



5

C8 – Reuse and recycling of freshwater

See xls template at https://www.unece.org/env/indicators.html

- 1. Name to be corrected to "Reuse of freshwater". Reason: Recycling happens within an establishment and is not recorded in statistics.
- 2. Update industry breakdown (alignment with UNSD questionnaire)



6

Indicators C1 - C8: 1. Consideration of comments of JTF and update of database 2. Sharing of draft metadata with experts 3. Revised metadata sheets to all JTF members for comments or approval Indicators C9-C16: Proposal to be discussed at next meeting of JTF